



FY 2007
Funding Guidelines
Volume One

Centennial Clean Water Fund

Clean Water Act Section 319
Nonpoint Source Fund

Washington State Water Pollution
Control Revolving Fund

August 2005

Ecology Publication 05-10-069

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Note: The *Fiscal Year 2007 Funding Guidelines* come in two volumes.

Volume One contains the main body of the guidelines.

Volume Two contains the most pertinent *statutes and regulations*.

Contact Information:

Internet:	Water Quality Program: http://www.ecy.wa.gov/programs/wq Funding Information: http://www.ecy.wa.gov/programs/wq/links/funding.html
Ecology, Water Quality Program Reception:	Headquarters – Lacey (360) 407- 6400 Central Regional Office (CRO) – Yakima (509) 575-2490* Eastern Regional Office (ERO) – Spokane (509) 329-3400* Northwest Regional Office (NWRO) – Bellevue (425) 649-7000* Southwest Regional Office (SWRO) – Lacey (360) 407-6300* <i>(*Number is spill and environmental emergency line after hours)</i>
General Information and Activity Projects:	Jeff Nejedly, (360) 407-6509, e-mail jned461@ecy.wa.gov
Facility Projects:	Brian Howard, (360) 407-6510, e-mail brho461@ecy.wa.gov
Application Packets: <i>(Financial Management Section Secretary)</i>	Kathy Markos, (360) 407-6502, e-mail kmar461@ecy.wa.gov
U.S. Mail Address: <i>(Not to be used for UPS or other package delivery services)</i>	Department of Ecology, Water Quality Program Financial Management Section P.O. Box 47600 Olympia, WA 98504-7600
Street Address: <i>(Physical location/ package delivery – not to be used for U.S. Mail)</i> See APPENDIX Q for a map to this address	Department of Ecology, Water Quality Program Financial Management Section 300 Desmond Drive Lacey, WA 98503

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How to Use These Guidelines

General Information

These guidelines describe how to apply for water quality financial assistance from the Washington State Department of Ecology Water Quality Program (Ecology). The funding programs included in these guidelines are the Centennial Clean Water Program (Centennial), which provides loans or grants; the Clean Water Act Section 319 Nonpoint Source Grant Program (Section 319), a grant-only program; and the Washington State Water Pollution Control Revolving Fund (SRF), a loan-only program. The guidelines also explain what will be required of an applicant if a loan or grant is awarded. Ecology does not intend these guidelines to be a comprehensive listing and explanation of all laws, statutes, and policies that may apply to Centennial, Section 319 or SRF funding. Rather, this document is intended to facilitate the application process and initial steps of administering a funded project. Applicants should request additional information and consultation whenever needed.

The Appendices of these guidelines contain additional information that will be useful to most applicants. Please review the list of appendices and use them as a resource.

The first volume of the guidelines draws on applicable federal and state laws, other regulations, and policies. Volume Two of the guidelines contains some of the more utilized statutes and regulations related to these funding programs. Other documents referenced in these guidelines may be obtained from the Ecology Publications Office. The State's Internet Home Page at <http://www.ecy.wa.gov> includes links to the Revised Code of Washington (RCW) and the Washington Administrative Code (WAC).

In the event of inconsistency in programmatic requirements found in these guidelines, those requirements are superseded by applicable federal and state statutes and regulations.

Definitions of Key Terms

A glossary is found near the end of Volume One of the guidelines. It contains definitions of many of the important terms and concepts, as well as explanations of abbreviations and acronyms. Abbreviations and acronyms are spelled out and defined where appropriate the first time used.

A few terms are used repeatedly and are important enough to stress at this point:

- **Financial Manager:** Ecology assigns a financial manager from the Lacey, Washington headquarters office to each loan or grant project that has been offered funding. The financial manager is the main contact for payment information, and processes all payment requests. A financial manager will work closely with the recipient and coordinates project issues with the project manager. The financial manager will also assist in negotiating loan or grant agreements.
- **Loan and grant combinations:** A project scope of work may contain both loan and grant eligible components. To maximize the use of available funds to accommodate this scenario, applicants may be offered a combination of a loan and a grant.

For more information on anticipated eligibility, please review *Appendix A, Part One - Eligibility of Project Types* and *Appendix A, Part Two – Eligibility of Project Components* found at the beginning of the Appendices of the guidelines. Ecology Water

Quality Program staff identified on the inside cover of Volume One of the guidelines can also be contacted for eligibility inquiries.

- **Project Engineer:** Ecology assigns a regional project engineer for certain facilities projects to provide engineering technical assistance, conduct engineering review and approvals, and determine eligibility of project components. The engineer can also serve as the project manager.
- **Project Manager:** Ecology assigns a regional project manager to loan and grant projects for consultation and to provide needed technical assistance. Recipients are encouraged to contact and communicate with the project manager at any time for help with problems, issues, eligibility determinations, etc. Ecology project managers, working closely with the financial managers, have the responsibility of monitoring recipient performance on the loan or grant projects.
- **"Water pollution control activities" or "activities"** mean actions taken by a public body to prevent or mitigate pollution of underground water, to control nonpoint sources of water pollution, to restore the water quality of freshwater lakes, and to maintain or improve water quality through the use of water pollution control facilities or other means. Some examples of activities are comprehensive planning, research, stream bank restoration, water quality monitoring, technical assistance, and public information and education. An example of a facilities component in an activity project would be construction of a manure lagoon associated with livestock management implementation.
- **"Water pollution control facilities" or "facilities"** means any facilities or systems for the control, collection, storage, treatment, disposal, or recycling of wastewater, including, but not limited to, sanitary sewage, stormwater, residential, commercial, industrial, and agricultural wastes which are causing water quality degradation due to concentrations of conventional, non-conventional, or toxic pollutants. Water pollution control facilities include all equipment, utilities, structures, real property, and interests in and improvements on real property necessary for or incidental to such purpose. Water pollution control facilities also include such facilities, equipment, and collection systems as are necessary to protect federally designated sole source aquifers.

Contacting Ecology for More Information

Additional copies of the guidelines, application forms, and further information about the Centennial, Section 319, and SRF programs can be obtained directly from the Water Quality Program or on the Internet at:

<http://www.ecy.wa.gov/programs/wq/links/funding.html>

Chapter 1: Introduction

Combined Funding Cycle

The Department of Ecology Water Quality Program administers three major funding programs that provide low-interest loans, grants, or loan and grant combinations for projects that protect, preserve, and enhance water quality in Washington State:

- Centennial Clean Water Fund Program
- Clean Water Act Section 319 Nonpoint Source Program
- Washington State Water Pollution Control Revolving Fund Program

Ecology manages the three programs as one; there is one combined funding cycle, application form, and offer list. These guidelines address the three programs and the combined funding cycle.

When applying for funding, it is not necessary to specify a funding source. The application will be reviewed and prioritized on the merits of the proposed project. Once the projects have all been reviewed and prioritized, Ecology will place them on a combined priority-ordered offer list.

Consistent with statutory direction, a maximum of two-thirds of available funds from the Centennial program will be made available for facilities construction projects for hardship communities. One-third of available funds from the Centennial program will be made available to fund activity projects.

Funds are distributed to projects from each of the three funding programs based on the project priority, project type (activity or facility), funding eligibility, and the following funding distribution criteria per statute, regulations, and program guidelines:

- Centennial Clean Water Program (competitive funds available)
 - 1/3 of available funds reserved for nonpoint activity type projects
 - 2/3 of available funds reserved for financial hardship community grants for facility construction projects
- Section 319 Nonpoint Source Grant Program
 - Nonpoint activity projects
- Washington State Water Pollution Control Revolving Fund Program (loans)
 - 80 percent designated for facility projects
 - 20 percent designated for nonpoint source activity projects

Percentage of Eligible Costs Allowed by Grants and Loans

Centennial and Section 319 activity grant projects are funded at 75 percent of eligible project costs, with a recipient matching responsibility of 25 percent.

SRF and Centennial loan projects are funded at 100 percent of eligible project costs, and do not have matching requirements.

When hardship is demonstrated, a Centennial grant for facilities construction may be offered in conjunction with an SRF loan to offset high residential user rates. See *Financial Hardship Assistance for Facilities Construction* in Chapter 9 for more information.

Who is Eligible for Financial Assistance?

Applications for loans and grants are accepted from any local public body, as well as certain other groups in Washington State. Eligible public bodies include any Washington State county, city, town, conservation district, or other political subdivision, municipal or quasi-municipal corporation, or any Tribe recognized by the federal government.

There is no limit to how many proposals an applicant may submit. Not-for-profit organizations recognized as tax exempt by the Internal Revenue Service are only eligible to receive Section 319 grants.

Washington State institutions of higher education (colleges and universities) may only apply for projects beyond the scope of the school's statutory responsibilities. Other state agencies and all federal agencies and local school districts are not eligible for funding.

Water Quality Performance Measures (Goals, Outcomes, and Milestones)

The emphasis on environmental results is to ensure that money invested through loans and grants leads to the greatest possible environmental benefit. Recipients will be expected to measure and report on the relationship between project activities and measurable improvements in the environment.

Performance Measures. Success of water quality improvement projects and programs should be measured against progress toward attaining Water Quality Goals, Water Quality Outcomes, and Water Quality Project Milestones.

Water Quality Goals listed below are tangible environmental changes for the better that will be achieved or directly addressed by the proposed project:

- a. Designated uses restored or protected** - a water body is restored or prevented from being listed on the 303(d) List. The recipient will be expected to provide clear documentation, including data with clear explanations, showing surface or groundwater quality standard violations or that they are seriously threatened (e.g., 303(d) listing or data showing probable listing), or
- b. "Severe Public Health Hazard" or "Public Health Emergency"** eliminated (see Glossary for definition), or
- c. Regulatory compliance achieved** to address a compliance order, consent decree, etc. Please attach a copy of the order or explain action taken to avert an imminent compliance order.

Water Quality Outcomes are quantitative results realistically anticipated that will directly lead to the environmental goals. For example:

- Establishment and maintenance of a healthy, self sustaining, riparian corridor by planting and maintaining at least 15,000 trees to provide shade to the stream and exclude all cattle for at least 12 years.
- Meeting water quality standards along a 10-mile targeted segment (where environmental results are to restore designated uses along the entire 50-mile stream).
- Establishment of systems (including databases to track necessary service and pumping events for on-site systems county wide).

Water Quality Project Milestones are performance items that measurably lead to achieving the Water Quality Outcomes and Goals, e.g.:

- Conduct five meetings of the watershed action committee by May 31, 2005.
- Gather and train by July 31, 2005, a “stream team” to plant the trees and install fence.
- Acquire at least 8,000 trees by August 31, 2005.
- Prepare a three-mile planting area by September 30, 2005.
- Install fence around, plant, fertilize, and apply deer repellent to 8,000 trees by October 31, 2005, etc.

The applicant is asked to determine and explain measures of success by gauging the progress made toward reaching these targets. Short- and/or long-term monitoring should be a component of all projects to ensure all water quality targets are achieved.

Post Project Assessment

Ecology has been directed by the Legislature in RCW 70.146.090, Water Pollution Control Facilities Financing Act (Centennial fund), to implement an outcome focused performance measures approach to ensure that state money invested through water quality loans and grants leads to the greatest possible environmental benefit.

As a result, Ecology has developed an assessment process to implement RCW 70.146.090, *Grants and loans to local governments -- Statement of environmental benefits -- Development of outcome-focused performance measures*. During the negotiation of the loan or grant agreement, all applicants offered financial assistance are asked to agree to a special condition to participate in a brief survey or possible interview to assist Ecology in a post project assessment of the project results. The month and year of the survey and post project assessment will be negotiated between the applicant and the Ecology project manager and will likely be well beyond the expiration date of the agreement.

The post project assessment survey date and possible interview will be included in the financial assistance agreement as a Special Term and Condition, and will usually occur three to five years from the completion of the project.

The post project assessment process will also include a requirement for the preparation of a Post Project Assessment Plan. The Post Project Assessment Plan will briefly describe how the recipient will assist Ecology in providing information on project effectiveness in meeting water quality goals three to five years after project completion. The plan will also address a post project assessment survey date, water quality outcomes, and the methods used to assess goals and outcomes.

Negotiated Levels of Technical Assistance

Ecology may conduct periodic reviews of funded projects that are in progress to evaluate a recipient’s scope of work, records, and accounting systems. These reviews verify that eligible and ineligible project costs are documented for audit purposes and that recipients have complied with the applicable state statutes, regulations, and requirements, including special loan or grant conditions.

Ecology will negotiate with the recipient and determine what level of technical assistance is appropriate for the project. Projects identified may receive additional site visits or additional tracking, etc. Funding offer letters may include special provisions that will be negotiated and included in the grant or loan financial assistance agreement. The following will be used as a guide to determine the levels of technical assistance:

- Statewide or regional significance
- First-time loan or grant recipients
- Complex coordination or multi-agency effort or multiple funding sources
- Projects with challenging deliverables
- Recipient with first-time implementation projects
- Internal control audit issues within the last 3 years or with the last project on record
- Poor performance documented on existing or past projects
- Innovative or unique pilot project or a complex project, including those with multiple funding sources

Innovative/alternative projects are those that have a proven record, but have not been demonstrated in the Ecology region in which it is proposed. Innovative/alternative projects are processes or technologies that are different from the conventional processes, provide land use or energy efficiencies, or cost effectiveness, etc.

Loan and Grant Risk-Based Determination Process for Financial Documentation

In accordance with recommendations from the Washington State Auditor's Office, the Department of Ecology (Ecology) has implemented a policy (WQ Program Policy 2-07), which will require some loan and grant recipients to submit copies of backup documentation, invoices, and some or all payment voucher submittals. Ecology will utilize the following risk-based approach in determining the selection of recipients for this increased oversight:

- First-time recipient, change in key recipient staff, or recipient whose last loan or grant ended more than three (3) years prior to the current loan or grant offer
- Recipient with first-time implementation projects
- Internal control audit issues within the last 3 years or with the last project on record
- Poor performance documented on existing or past projects
- Innovative or unusual pilot project or a complex project, including those with multiple funding sources
- Recipient that receives a 50% upfront disbursement of grant funds

If one or more of the above conditions exist for a loan or grant recipient, an increased level of project review requiring payment documentation submittal may be warranted.

The financial assistance recipients selected for increased oversight will usually be notified in the loan or grant offer letter or during the loan or grant agreement negotiations.

To coordinate Ecology program schedules and to better meet prospective recipient time frames to initiate and complete projects, Ecology's Water Quality Program staff and Environmental Assessment Program quality assurance and project plan review staff need to schedule the development of new agreements on an orderly, predictable basis.

Prospective loan and grant recipients will be asked to provide (within one month of the publish date of the offer letter) a date when they will provide Ecology's project manager with a draft scope of work. Ecology will establish a timeline for completing the draft scope of work, which will result in a fully executed loan or grant agreement.

Scopes of work should be submitted as soon as possible and not later than March 31 of the year following the date of the offer of funds. This will ensure adequate time is given to fully negotiate, write, and review agreements before the one-year deadline. If an agreement is not signed within one year of the publish date of the final combined funding offer list, the loan or grant offer is automatically withdrawn.

If the prospective recipient fails to deliver on the commitment to provide a scope of work in accordance with the agreed upon timeline, negotiations of the scope of work with the prospective recipient may be deferred. Ecology will make a concerted effort to negotiate an agreement within the one-year timeline allowed by regulation; however, the prospective recipient is ultimately responsible for meeting timelines it has provided to Ecology.

The timeline for completing draft agreements will be based on three (3) calendar quarters, with the first quarter coinciding with the publish date of the combined final offer list. The highest priority projects will also be negotiated in the first quarter.

July - September	Highest level criteria
October - December	Next level of criteria
January - March	Next level of criteria
April - June	Submit sooner if possible

Criteria used for establishing the timeline for completing draft loan and grant agreements is listed below in priority order:

1. The project addresses a "Public Health Emergency" or "Severe Public Health Hazard" in accordance with the application,
2. The project time frame is proposed to meet a regulatory compliance schedule,
3. There is an environmental window (e.g., avoiding spawning, seasons(s), etc.) within which specific tasks must be completed,
4. There are financial needs and/or other complexity issues (e.g., need for signed agreement to secure other funding),
5. There are specific environmental watershed need(s) (as determined by the Project Manager and Water Quality Program TMDL lead, and/or Shorelands and/or Environmental Assistance Watershed Lead),
6. The scope of work has already been prepared and/or the prospective recipient has otherwise demonstrated readiness to proceed, and
7. Priority on the combined Final Offer List.

Chapter 2: Overview of Funding Programs

The Centennial Clean Water Program (Centennial)

In 1986 the Washington State Legislature established the Water Quality Account that funds a variety of programs related to water quality, which includes the Centennial Clean Water Program. The Water Quality Account is financed primarily from tobacco tax revenues and may be supplemented from the State General Fund and other state revenue, subject to legislative appropriation.

Ecology's Water Quality Program has administered the Centennial program since its inception with the goal of distributing Centennial funds among the State's highest priority water quality protection and water pollution control needs.

The Centennial Program provides grants to local governments and Indian tribes to finance the planning, implementation, design, acquisition, construction, and improvement of water pollution control facilities and water pollution control related activities.

The Centennial Program is authorized by Chapter 70.146 RCW, *Water Pollution Control Facilities Financing Act*. Ecology uses an administrative rule, Chapter 173-95A WAC, *Uses and Limitations of the Centennial Clean Water Fund*, to manage the program.

The Clean Water Act (CWA) Section 319 Nonpoint Source Program (Section 319)

The Section 319 Program provides grant funding to eligible applicants to address nonpoint source pollution and to improve and protect water quality. The United States Congress established the Section 319 program as part of the CWA Amendments of 1987. The Environmental Protection Agency (EPA) provides Section 319 funds to states subject to an annual appropriation by the United States Congress.

While Ecology has no specific state of Washington rule to guide the management of the Section 319 program, much of the program is steered by federal regulations and guidelines, and Ecology uses the provisions of the Centennial Rule (Chapter 173-95A WAC) to assist in the management of the Section 319 program. Section 319 projects must implement nonpoint source pollution control strategies that are specifically identified in *Washington's Water Quality Management Plan to Control Nonpoint Source Pollution, Volume One - Water Quality Summaries for Watersheds in Washington State, August 2004 (Nonpoint Source Plan, Volume 1)*, at:

http://www.ecy.wa.gov/programs/wq/nonpoint/nps_plan.html#plan_voll

Project proposals must demonstrate direct or indirect water quality benefits to be attained through preventing or controlling nonpoint sources of pollution. The Section 319 program does not fund water pollution facilities projects. Examples of projects that are eligible for funding include:

- Stream and habitat restoration implementation
- Best management practices (BMPs)
- Stormwater pollution control
- Water quality monitoring, and
- Lake restoration efforts that focus on pollution prevention

Since 2003, the United States Congress, through the Environmental Protection Agency (EPA), and the Washington State Legislature have emphasized the need for quantitative project outcomes and treating all projects as investments from which an environmental benefit is derived. EPA requires that high priority be placed on reporting data for projects measuring load reduction of nitrogen, phosphorus, and sediments. As a result, EPA requires that all states report on these load reductions on an annual basis by using information provided by the Section 319 grant recipient. See the FY 2007 Application for Financial Assistance for more information on this requirement.

The Washington State Water Pollution Control Revolving Loan Fund Program (SRF)

The SRF provides low-cost financing or refinancing to local governments for projects that improve and protect the State's water quality. Projects may include publicly-owned wastewater treatment facilities, nonpoint source pollution control projects, and comprehensive estuary conservation and management programs. The United States Congress established the SRF loan program as part of the Clean Water Act Amendments of 1987.

The amendments authorized EPA to offer yearly capitalization grants to states for establishing self-sustaining loan programs. In response, the State Legislature passed a statute in 1988, Chapter 90.50A, RCW (*Water Pollution Control Facilities – Federal Capitalization Grants*), which created Washington State's SRF program. Ecology uses an administrative rule, Chapter 173-98 WAC, *Uses and Limitations of the Water Pollution control Revolving Fund*, to manage the program.

Fund Availability for All Three Programs

Funds are available for disbursement to a loan or grant recipient for eligible costs after a financial assistance agreement is signed by Ecology's Water Quality Program Manager.

Ecology may redirect withdrawn, declined, or deobligated funds to other projects in priority order or carry over those funds to the next funding cycle. Deobligated funds are funds not fully utilized by a previously negotiated loan or a grant.

Fund Ceiling Amounts

Ceiling amounts for Centennial, SRF, and Section 319 projects vary and depend on factors such as hardship determination, type of project - facilities or activities, type of recipient match, etc. More information on ceiling amounts can be found in Chapter 8, *Funding Limitations*, Chapter 9, *Financial Hardship*, and Chapter 7, *Match Requirements (Local Share or Recipient Share) and Grant Ceiling Amounts*.

Hardship Funding

Ecology may offer grants for facility construction in cases where the applicant is able to demonstrate that the project causes excessive financial burden to the residential ratepayer. More information about financial hardship can be found in Chapter 9, *Financial Hardship Assistance for Facilities Construction*.

Emergency Funding

Local governments and other eligible entities may submit applications at any time for financial assistance to address emergency situations. Ecology defines an emergency as either a public

health emergency (as designated by the Washington State Department of Health) or an environmental emergency (as designated by Ecology) that requires immediate corrective action and is not based on a pre-existing condition.

The State Legislature has not set aside dedicated funding for emergency requests. In the absence of a set-aside, Ecology handles emergencies in the following manner:

- A public body requesting emergency funding should immediately communicate directly with the appropriate Ecology regional office by telephone or letter and then complete a formal funding application with supporting documentation.
- If Ecology agrees that an emergency request should be funded, Ecology will submit a formal written request to the Office of Financial Management, the Senate Ways and Means Committee, and the House of Representatives Capital Budget Committee. The emergency request seeks approval to use other funds, such as monies de-obligated from other loans or grants, or monies originally earmarked for a loan or grant that was not accepted.
- The emergency request may only be funded if representatives of these three groups agree to allow the expenditure of the de-obligated or unused funds.
- Except for being outside the normal funding cycle, emergency projects must follow all other loan and grant guidelines.
- Projects funded as emergencies should start immediately and be completed quickly.
- Prior authorization to incur costs may be granted by Ecology (see Chapter 4, *Developing a Loan and Grant Agreement*, for more information.)

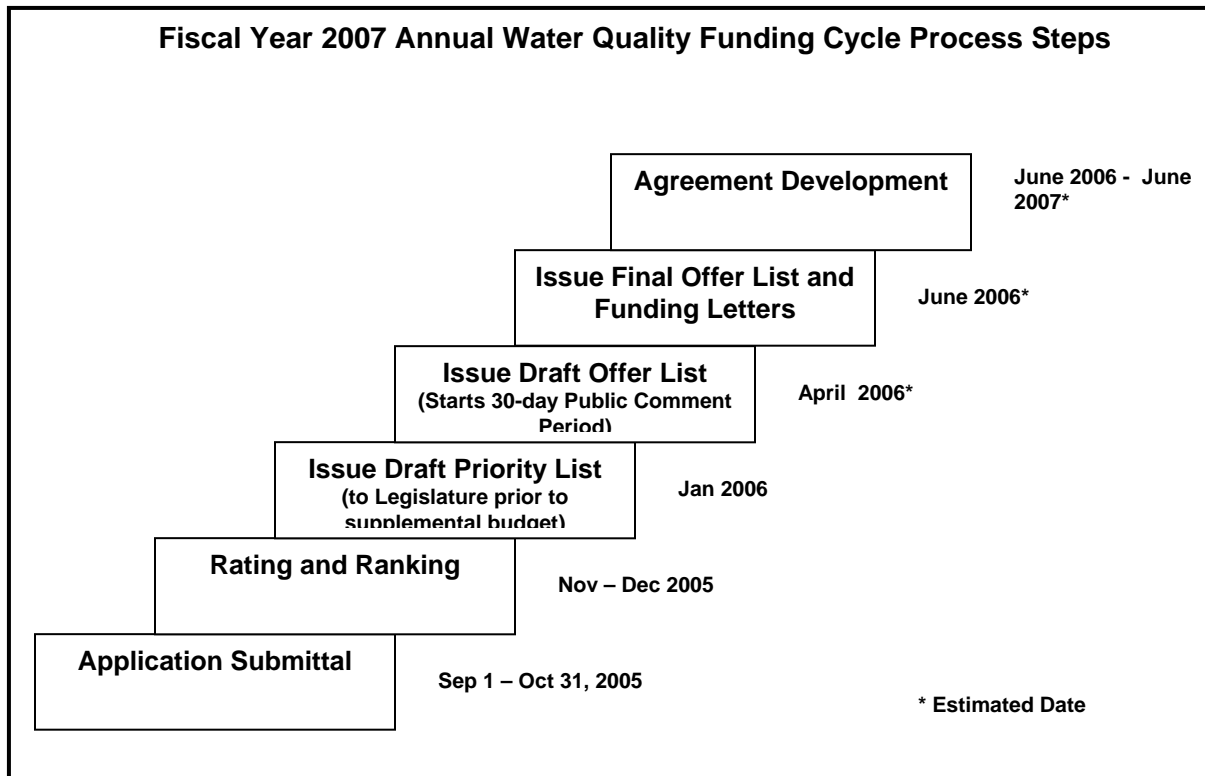
Chapter 3: The Application Process

How the Funding Cycle Works

Application period and list development process. The application period for Fiscal Year 2007 begins on September 1, 2005, and ends on October 31, 2005. Ecology makes a public announcement about the funding cycle and funding application workshops before the application period opens. Ecology will hold public workshops in September of 2005 at various locations statewide to explain the application process, general program requirements, and changes to the program for the coming year.

After the application deadline, staff at Ecology's headquarters office in Lacey will complete an initial review of all applications for eligibility. Next, staff in Ecology's four regional offices will evaluate and prioritize all of the eligible projects through a project rating and ranking process. Each application will be reviewed and scored by two different Ecology staff in two different regional offices. The regional evaluators will be assisted by recommendations from other staff, both inside Ecology and with other state agencies. After evaluation and scoring of all applications, headquarters office staff will prepare a combined Preliminary Priority List of projects in priority order that may be proposed to receive financial assistance from the Centennial, Section 319, and SRF funds. This list will be sent to the State Legislature for consideration during the funding appropriation process and will also be made available to applicants and interested parties.

Ecology will develop the combined Draft Offer and Applicant List and a State Revolving Fund Draft Intended Use Plan once funding levels are appropriated by the State Legislature. Ecology will send this document to applicants and other interested parties for a 30-day public review and comment period. Ecology will publish the combined Final Offer and Applicant List and the State Revolving Fund Final Intended Use Plan after public comments are received and addressed. The following chart summarizes the list development process. Applicants offered grant and/or loan funding must develop funding agreements within one year following the publication date of the combined Final Offer and Applicant List.



Public Review and Requests for Reconsideration

During the public review and comment period, Ecology staff will hold one or more public meetings to present the combined Draft Offer List and the State Revolving Fund (SRF) Draft Intended Use Plan (IUP), discuss the development of the lists, and allow applicants and the public a chance to discuss the combined Draft Offer List, the SRF Draft IUP, or any other aspect of the funding programs. During the public comment period, applicants may request that project proposal(s) be reconsidered based on one or more of the following reasons:

1. Adequate information was provided in the project proposal, but the applicant believes that Ecology staff misunderstood it as they assigned priority points. Point assignments will generally be reconsidered if the project was not proposed to be funded on the Draft Offer List, and if the reconsideration could result in the project being offered funding via the combined Final Offer List.
2. Documented substantive information is provided to evidence misinformation given to the applicant by Ecology’s Water Quality Program staff.
3. Ecology’s Water Quality Program staff did not follow laws, guidelines, or procedures during the evaluation process.

After the comment period, Ecology will publish the combined *Final Offer List* and *SRF Final Intended Use Plan*. If needed, a responsiveness summary, responding to any written comments Ecology has received on the Draft Offer List and the SRF Draft IUP, will also be published.

How to Apply

Applicants can obtain an application packet from Ecology. The application packet (including application form, guidelines, agenda, etc.) can be obtained at the workshops or by request to Ecology staff. The application form and Program guidelines are available on the web at:

<http://www.ecy.wa.gov/programs/wq/links/funding.html>

The application form contained in the application packet is used for the applicant to apply for all three funding programs. Applicants need not specify a funding program in the application. After determining funding priority, Ecology will determine which funding program a proposed project is best suited for based on eligibility, the type of project, the applicant's financial assistance request, and Ecology's need to maximize the use of the funding available.

The application has four parts:

- **Part 1** asks the applicant to provide general information, including funds requested and project location.
- **Part 2** asks the applicant to provide detailed information about the project and the water quality results envisioned. Ecology staff use Part 2 for the evaluation process.
- **Part 3** is used only for refinance applications.
- **Part 4** contains the instructions for filling out the application.

Each applicant must submit a signed original of the completed application plus four (4) copies and a diskette.

Facsimile or electronic applications will not be accepted, because an original signature is needed by an applicant's authorized signatory. Ecology requires the diskette in order to speed the processing of essential application information. Please mark the diskette with the *project title* and the *applicant's name*.

The applications must be delivered by hand, mail, or package delivery service to Ecology's headquarters building in Lacey **on or before the application submittal deadline of October 31, 2005**. The address for sending packages to Ecology is listed at the beginning of these guidelines, before the Table of Contents.

General Application Steps

The following steps are recommended when developing a funding application:

- Read all application instructions and use them as you answer each question.
- Make answers specific and concise.
- Label answers to correspond with the questions.
- Number the pages.

- Include relevant letters of support that demonstrate tangible local commitment, such as identification of local resolutions or ordinances, documentation of cash contributions, and donated volunteer in-kind match.
- Check for double-sided documents and irregular page sizes when photocopies are made.

Evaluation criteria for the major questions are found in Part 2 of the funding application. Specific areas that an applicant should address are listed with each question.

Local Priority Setting Process

The local priority setting process allows applicants applying for funding to receive up to 100 local priority point based on locally derived priorities. These local priority points are added to the project evaluation points assigned by Ecology. Local priority setting is elective and applicants do not need to complete this process to be eligible for funding consideration. However, projects will not be awarded local priority points if the process described in Appendix B, “Local Priority Setting Process,” is not followed.

These points are awarded to recognize that local agencies and other groups may have water quality priorities that should be considered in the final ranking of projects and to recognize regions of the state where local governments, Tribes, and special districts are working cooperatively to prioritize water quality funding needs.

The local priorities are submitted as a “Statement of Agreed Priority,” in accordance with Appendix B, “Local Priority Setting Process,” and are due approximately four to six weeks after the application due date.

Project Selection Process

Eligibility Review. Ecology staff will make an eligibility determination for the project based on applicable state and federal statutes, regulations, and/or funding program guidelines. Staff may contact applicants or other federal, state, or local agencies to clarify or verify application information. If a proposed project does not appear to meet eligibility criteria, Ecology will notify applicants of potential disqualifying factors, and applicants will then have two weeks to submit a request for reconsideration. The request for reconsideration should demonstrate that the project meets the eligibility criteria.

An eligibility determination for the project will be established in Ecology’s facilities plan approval letter. If needed, the eligibility determination will be updated at the time of design and/or construction.

The basis for the eligibility determination, including the percentage of eligible costs allowed, will be determined and included in the facilities plan letter. In the absence of an eligibility determination, potential applicants should contact the regional project manager or regional engineering staff.

When submitting a funding application for a construction project, all correspondence associated with the project eligibility determination and the percentage of eligible costs allowed must be included. This information will be applied to all project elements, such as administration,

construction cost, and construction management and will be the basis of any funding offer and subsequent loan or grant agreement.

With the exception of the Statement of Agreed Priority for the local priority-setting process, Ecology will not accept any unsolicited additional or revised project information after the application deadline.

Evaluation Review. Water quality specialists in the Ecology region where the project is located will evaluate each project application and give it a numerical score. In addition to the regional water quality specialist, at least one other Ecology Water Quality staff person located in a different region will evaluate each project and give it a numerical score. These two scores are used as the basis for the rating of the project.

Ecology requests input from other state agencies regarding certain types of projects. This outside review will not generate a numerical score, but it can influence the score given by an Ecology reviewer. Potential outside reviewers could include staff from the State Conservation Commission, Puget Sound Water Quality Action Team, or the State Department of Health.

The basis for project review and rating is the information contained in the application. That information is also the basis for the scope of work that will be specified in a signed loan or grant agreement. If the applicant is offered funding and later proposes significant changes to the scope of work during the negotiation process, the offer may be withdrawn.

Ecology will also review each project proposal based on the likelihood that the project will meet its stated objective and on whether the proposed outcome will result in a high priority water quality and/or public health benefit.

The first section of the *FY 2007 Water Quality Financial Assistance Application - Part 2* addresses the problem and proposed solution. Clearly describe project objectives and water quality improvement outcomes. Evaluators may not be familiar with the water quality project proposal or its specific circumstances.

Regional staff evaluate eligible project proposals and assign priority points according to the allocations noted in the Application Instructions. Headquarters staff develop the single combined list and decide how to allocate the program funds to the priority list according to statute, regulations, and programmatic guideline. Applicants with the highest priority projects receive funding offers based on appropriated levels of funds and any additional directives or priorities established by the Legislature and the Environmental Protection Agency (EPA). See Chapter 1, page 3, for more information on how funds are allocated among projects.

Factors that influence this process include:

- Objectives of the project in relation to Ecology funding program objectives
- Whether a loan or grant is appropriate
- Legislative budget provisos

- Available funding
- Ceiling amounts for a funding category
- Financial hardship considerations

Funding Announcements

Ecology develops the combined Draft Offer List and the SRF Draft Intended Use Plan (IUP) after all eligible applications have been reviewed and evaluated. The lists will be issued for a 30-day public comment review after the Legislature develops a budget.

The combined Final Offer List and the SRF Final IUP will be published approximately two weeks after the end of the 30-day public review and comment period. These documents will also include a summary of any comments received on the draft documents and responses to the comments. Ecology submits the SRF Final IUP to EPA for review at the same time that the combined Final Offer List is published. The SRF Final IUP is a formal document required by federal law.

Chapter 4: Developing a Loan or Grant Agreement

Financial Assistance Agreements Overview

The loan or grant agreement, referred to as the financial assistance agreement or agreement, is the formal written contractual arrangement signed by authorized representatives of the recipient and Ecology. It includes at a minimum: an approved scope of work, total project costs, funding percentages, and a budget and performance schedule. Loan agreements will contain an interest rate, a repayment period, and an estimated repayment schedule.

Loan or Grant Offers

Ecology prepares and distributes the combined Final Offer List when funding priorities have been set. Once a project is listed on the fundable portion of the combined Final Offer List or the fundable portion of the SRF Final IUP, Ecology will assign a project manager and a financial manager, and, if necessary, a project engineer, to work with the applicant to develop a financial assistance agreement. The project manager will contact the financial manager and the applicant to discuss the development of a preliminary scope of work, as identified in the application, and any conditions of the offer, procedures and timeline of the agreement negotiations, time frame of the project, special conditions, and any additional information needed to begin developing the agreement.

Following the initial contact, the Ecology project manager, Ecology financial manager, and applicant will confer by phone, e-mail, or in a work session to resolve concerns and refine the scope of work, loan and grant requirements, and budget for the draft agreement. After the recipient and Ecology concur on the appropriate scope of work, schedule, eligible costs, and other details, Ecology's financial manager will prepare the final draft agreement.

Scope of Work

The agreement must contain a detailed scope of work describing the project work elements and measurable task objectives, including a performance schedule with specific milestones, regular reporting dates, and outcomes and/or deliverables related to project objectives. Ecology's project manager will contact the recipient and develop a schedule to negotiate the agreement.

Project Budget

The agreement must include a project budget that establishes eligible costs for task elements and/or budget objects. The budget will also detail funding sources, amounts, and type of matching requirements. Ecology's financial manager will help answer questions about budget development during project negotiations.

General Terms and Conditions

General Terms and Conditions are general requirements contained in all Ecology loan and grant agreements and are not negotiable. Some of those terms and conditions are explained more fully in the *Administrative Requirements for Grants and Loans*, Publication No. 91-18, and a copy of the current General Terms and Conditions is included in the guidelines, Appendix F.

Special Terms and Conditions

Special Terms and Conditions are written into an agreement to modify or clarify project elements that are specific to the project or to program guidelines. Special Terms and Conditions are consistent with the General Terms and Conditions, but may modify certain provisions of the General Terms and Conditions. Such Special Terms and Conditions take precedence over the General Terms and Conditions.

Required Performance

The agreement contains required performance milestones derived from the recipient's application and are negotiated between Ecology's project manager and the recipient. This list of objectives should ensure that Water Quality Goals, Milestones, and Outcomes are achieved.

Signature Process

Once a scope of work has been negotiated between the recipient and Ecology, the project manager provides the scope, and any other information needed to draft a financial assistance agreement, to the financial manager. The financial manager drafts a financial assistance agreement and routes it to staff at Ecology's Headquarters office to check legality, cost coding, etc. Once it is returned to the financial manager, it is prepared as the final agreement and three original agreements are forwarded to the recipient for signature.

It is requested that the recipient thoroughly review the agreement and have all three copies signed by the authorized signatory or his/her designee, as appropriate, before returning them to the financial manager for final signature by the Water Quality Program Manager. One copy of the completed agreement is returned for the applicant's files. The agreement becomes effective on the date of signature by the Water Quality Program Manager, unless otherwise stated in the agreement or the date of prior authorization provided in the letter from the Water Quality Program Manager, at which time reimbursable costs can be incurred to the project.

Important Dates

The time limits for starting and ending projects are based on the date of the combined Final Offer List which identified the project for funding.

- The **funding agreement for the project must be signed** by both parties no later than 12 months after the publish date of the combined Final Offer List.
- **Actual work on the project must begin** no later than 16 months after the publish date of the combined Final Offer List.
- The **project must be completed** within 5 years of the publication of the combined Final Offer List. After the five-year limit is reached, a time extension of no more than 12 months may be made when there are valid reasons.
-- In no event can the project be extended beyond six years of the publish date of the combined Final Offer List in which the project is identified.
- **Time limits for ending projects for Section 319** grants are subject to an Environmental Protection Agency (EPA) timeline, which is based on the date on which Ecology receives funds from EPA. Therefore, 319 grant projects will typically have shorter durations than Centennial or SRF projects. This time limit requirement will be included in the financial assistance agreement as a Special Term and Condition.

The **effective date** of a loan or grant agreement is the date it is signed by Ecology's Water Quality Program Manager.

The **expiration date** (of an agreement or an amendment) is the last date on which costs may be incurred and be considered eligible. Any costs incurred after the expiration date are not eligible.

The **project completion date** is the last date that a funding recipient may incur loan or grant eligible costs and receive reimbursement under the financial assistance agreement. All items identified in the scope of work must be completed by this date. Costs incurred after the completion date will not be considered eligible. For loan projects, see Chapter 8, *Loans*, for loan repayment provisions.

The **initiation of operation date** (facilities construction projects only) is the actual date the facility starts operation and begins being used for its intended purpose. This date may occur prior to final inspection. Ecology will determine the initiation of operation date after consultation with the recipient. This date may be the same as the date of project completion, or it may be earlier. For loan projects, see Chapter 8, *Loans*, for loan repayment provisions.

Prior authorization is written authorization for the recipient to incur eligible project costs before the Water Quality Program Manager signs the agreement. Prior authorization can only be issued after the publication of the combined Final Offer List and after the applicant has been offered funding. Reasons for granting prior authorization to incur expenses include, but are not limited to:

- Circumstances associated with a public health or environmental emergency requiring immediate corrective action.
- Circumstances associated with a permit schedule requiring immediate corrective action or binding permit requirements to proceed.
- Environmental conditions requiring a funding recipient to meet certain schedules. For example, the time of year for in-stream work or tidal considerations.

Process for Obtaining Prior Authorization:

- The applicant signatory must write a letter to Ecology's Water Quality Program Manager requesting and justifying prior authorization with estimated costs to be incurred and the time frame.
- Ecology cannot release funds until a loan or grant agreement is signed.
- Costs incurred before the prior authorization date are the sole responsibility of the public body.
- The applicant assumes responsibility for costs incurred before a loan or grant agreement has been signed, as Ecology cannot guarantee that a loan or grant will be awarded.
- Any work performed by the public body that is not consistent with the conditions specified in Ecology's prior authorization letter, financial assistance agreement, and applicable criteria will not be eligible for loan or grant funding.

Chapter 5: Project Types That Can and Cannot Be Funded

The Legislature and Congress specifically earmarked Centennial, Section 319, and SRF funds for projects that will improve or protect water quality through water pollution control and prevention. Many types of projects are eligible for loans, grants, or loan and grant combinations. Appendix A contains a matrix of project and project component eligibility covering many potential situations. If unsure whether the proposed project or a component of it is eligible for funding, contact Ecology headquarters staff or regional staff prior to completing an application.

Major Categories of Eligible Activities Projects

Certain types of projects are eligible for funding and may be offered funds. However, some projects are eligible only for loans, while others are eligible for loans or grants. Some examples of loan and grant eligible activities projects follow (see Chapter 10, *Activities Projects*, for a detailed description):

- Watershed Planning and Implementation
- Lake Restoration Planning and Implementation
- Wellhead Protection
- Ground Water Management Area Planning
- Aquifer Protection Planning
- Water Quality Monitoring
- Education and Outreach
- Stormwater Activities Projects

Projects Eligible for Loans Only

Due to limited availability of grant funds, Ecology funds some projects or project elements with loans. For more information about loan and grant eligibility for specific project types or project elements, see Appendix A, *Comparison of Eligibility of Costs in the Funding Programs*. Some examples of loan-eligible facilities projects follow (see Chapter 9, *Facilities Projects*, for a detailed description):

- General and/or Comprehensive Sewer and Stormwater Planning (stormwater facilities are within the definition of “wastewater facilities” according to RCW 70.146.020(4))
- Facilities Planning
- Design (preparation of plans and specifications)
- Construction (grants may be available in the case of hardship)
- Stormwater Facilities Projects

Major Categories of Ineligible Projects

Certain types of projects and some project elements are specifically excluded from funding. Some eligible projects may also contain ineligible project components.

Acts of Nature: Projects that address acts of nature that alter the natural environment, thereby causing water quality problems (for example, a volcano erupting and filling a river with mud), are not eligible. However, projects may be eligible when addressing an act of nature that altered the human environment (for example, flood event damage to a sewer outfall).

Best Management Practices (BMPs) Implementation on Private Property: Only loans may be used for BMP implementation on private property, with two exceptions:

1. Stream bank revegetation or fence construction are eligible for grants and loans under the Centennial program and grants under the Section 319 program if a conservation easement is given by the landowner.
2. New innovative/alternative technology is eligible for loans and grants under the Centennial program and grants under the Section 319 program if the technology has not yet been demonstrated in the Ecology region where the project is located. A landowner agreement is also required.

Certain Lake Projects: Ecology will only distribute loan or grant funds for lake restoration projects that address water quality problems throughout the entire watershed and include a significant source control component. Funds are not available for projects that propose only to control conditions in the lake itself. A proposed Phase II implementation lake project on any lake without public access will not be eligible for funding (see Lake Restoration Projects in Chapter 10, *Activities Projects*.)

Commercial, Industrial, or Institutional Flows: The portion of a project designed to serve the needs of commercial, industrial, and institutional customers may be funded using SRF loans only. Eligibility for an SRF loan is based on the 20-year projected need for residential, commercial, industrial, and institutional flows. Wastewater facilities that are solely dedicated to address commercial, industrial, and institutional (such as schools, hospitals, and prisons) needs are not eligible for financial assistance.

Concentrated Animal Feeding Operations: Local loan funds for best management practices (BMPs) funded through SRF may not provide assistance for waste management systems that are considered to be concentrated animal feeding operations (CAFOs). An exception is made for projects proposed in areas covered by federally designated “National Estuaries” (only Puget Sound and the Lower Columbia River currently). Ecology will provide CAFO guidance upon request.

Grants may be issued to eligible recipients for the purpose of eligible best management practices (BMP) implementation identified in the “FY 2007 BMP Eligibility Matrix” (see below) on concentrated animal feeding operations (CAFOs). Local loan funds for BMPs funded through SRF may not provide assistance for waste management systems that are considered to be CAFOs. An exception is made for projects proposed in areas covered by federally designated

“National Estuaries” (currently only Puget Sound and the Lower Columbia River). Ecology will provide CAFO guidance upon request. See Appendix I, *Financial Assistance for BMPs*, for specific information on the requirements for BMPs. A public body must administer all funds and contracts.

Engineering Reports: Engineering reports are ineligible for funding if requirements for facilities plans are not met, including the State Environmental Review Process (SERP).

Excess Capacity: Centennial and SRF funds are intended to be used for existing residential need and a limited amount of growth. The Centennial program allows for funding up to 110 percent of existing need, with the portion above 110 percent being considered excess capacity. A percentage of existing need may be grant eligible in cases of demonstrated financial hardship. The SRF program allows loans for existing need, plus capacity for an estimated 20 years of growth (based on Growth Management Act-compliant comprehensive plans), with the capacity beyond 20 years being considered excess capacity.

Flood Control (including storm drainage): Flood control structures and stormwater conveyance facilities are typically intended to reduce flooding and have minimal benefit to water quality. Therefore, Ecology generally will not fund these facilities. **Note:** In some cases, stormwater conveyance and other facilities may serve to prevent pollution; for example, by reducing flooding of a contaminated area or by reducing stream erosion. Ecology may fund these portions of a proposed flood control/storm drainage project. Eligibility will be determined for these projects on a case-by-case basis. Ecology staff will provide additional guidance on eligibility of stormwater facilities if needed.

Growth Management Act (GMA) Non-Compliance: The GMA requires that infrastructure improvements related to development must be funded by development-related fees. However, Ecology may assist in projects designed to help local governments comply with GMA comprehensive plan requirements through sewer comprehensive plans and stormwater comprehensive plans (see Chapter 9, *Facilities Project Considerations*, “Growth Management Act Compliance”).

Side Sewer Laterals or Individual Pump Stations on Private Property: Side sewer laterals and individual pump stations (or other related appurtenances) are eligible for Centennial loans and do not require a public easement be given by the loan recipient.

Side sewer laterals and individual pump stations (or other related appurtenances) are eligible for an SRF loan and do require a public easement be given by the loan recipient.

Solid and Hazardous Wastes: Ecology’s Solid Waste and Financial Assistance Program provides funding for projects that address solid and hazardous wastes. Water pollution control projects that deal primarily with water quality, but also affect the control of solid and hazardous substances, such as projects related to biosolids from sewage sludge or septage, may be eligible for funding consideration. However, loan and grant funds were not intended to fund projects that are primarily related to solid and hazardous substances as defined in RCW 70.105(C), *Hazardous Waste Cleanup*.

State Agencies and State and Local Educational Institutions: State agencies may receive direct appropriations from the Legislature. For this reason, Ecology does not fund state agency and school district projects. However, state-run institutions of higher education may apply for loan or grant funds for activities that are not part of the school’s statutory responsibilities.

Water Supply: The Legislature and Congress established the Centennial and SRF programs to fund projects that will improve or protect water quality through the control and prevention of water pollution. Projects intended to provide or enhance a water supply for human consumption and agriculture that do not address specific water pollution are ineligible for funding. However, Ecology may fund all or part of projects intended to protect a water supply source through water pollution control or prevention. See Appendix M, *Resources to Identify and Quantify Impaired Designated Uses—Drinking Water Impairment Information*. Water conservation or water reclamation and reuse projects may also be eligible if shown to be the affordable, cost-effective alternative to correct or prevent a water pollution problem.

Previously Funded Objectives

If a public body has received full funding for a project or objective(s) from Ecology’s Water Quality Program, that project is considered to be previously funded. Previously funded projects or objectives are ineligible for additional Water Quality Program funding. Funds from the Centennial, SRF, and Section 319 programs are “seed money,” helping to pay for the initial project costs and eventually enabling the local agency to proceed with its own resources.

Applicants may show that an activity is in a different phase of a project than it was when funded before, that it targets a different audience, or that it occurs in a different geographic area. Applicants must adequately document how a proposed project differs materially from one that has been funded before in order for the project to be eligible.

Methodologies and Technologies - Pollutant Source Identification (DNA Typing)

Some project proposals may include DNA-typing as one of the tasks or methods within the task. Ecology’s Environmental Assessment Program has studied the processes over the past several years, and it concluded that the method has *potential* value under certain limited conditions. Please note the protocol developed below for *possible* eligibility. Specific eligibility decisions must be made prior to the submission of project proposals after discussion between the grant applicant and the Environmental Assessment Program’s DNA specialist. Concurrence of Ecology’s DNA specialist must be documented in the application.

1. First, define location of bacterial sources through monitoring: Establish where sources of fecal coliform loading are occurring. This means conducting monitoring of possible inputs, like tributaries and stormwater, and segmenting areas of the main stem. It also means obtaining flow measurements so loading estimates can be obtained.
2. Prioritize; look at highest loading sources first.
3. Make clearly identified pollution control corrections in these areas.
4. If there is still a bacteria problem, consider source identification tools. For example, DNA typing, chemical indicators, antibiotic resistance analyses, species-specific indicators, etc.

Chapter 6: The Step Process

The Step Process for Facilities

To be eligible for funding, facilities projects must proceed according to a systematic method known as the Step Process. Before a local government with a facilities project is eligible to apply for funds, previous steps must be approved by Ecology. All documents, such as site-specific facilities planning and design plans and specifications, must be approved by the application deadline and a copy of Ecology's signed approval letter must be included with the application.

Planning (Step 1): Step 1 involves the preparation of a site-specific facilities plan that identifies and prioritizes the cost-effective alternatives for addressing a water pollution control problem. Even when an engineering report has been prepared and approved by Ecology, the applicant must upgrade the report to meet facilities planning requirements for SRF and Centennial eligibility. Facilities planning projects are eligible for loans only.

Design (Step 2): Step 2 includes the preparation of plans and specifications for use in construction. These must be based on the preferred cost-effective alternative identified in the facilities plan that has been approved by Ecology. Design projects are eligible for loans only.

Construction (Step 3): Step 3 includes the actual building of a facility based on the approved design. Facilities construction projects are eligible for loans only, unless Ecology has determined that a financial hardship to residential ratepayers exists.

Design/Construction (Step 4): Applicants may combine requests for funding of design and construction into one application, which is called Step 4. Ecology accepts applications for Step 4 loans if the applicant can demonstrate that design (Step 2) can be completed and approved by Ecology within one year of the publication date of the combined Final Offer List. The total eligible project costs funded through Ecology under Step 4 cannot exceed \$1,000,000. The design portion of the project is loan eligible only, even in cases of financial hardship.

Step Deviations for Facilities Projects: Ecology can allow deviation from the Step Process if the Washington State Department of Health has declared a public health emergency, and the proposed project would remedy the situation causing that emergency. In this situation Ecology will accept applications for funding consideration that do not follow the Step Process. Project eligibility remains the same; however, no agreement will be signed until all previous steps have been completed and approved by Ecology. This deviation from the Step Process will only allow an application to be *considered* for funding; it does not guarantee funding.

Where deviation is allowed, an applicant may deviate by only one step. For instance, Ecology could accept an application for design if planning was not complete or an application for construction if design was not complete. However, Ecology could not accept an application for construction if planning was not complete.

Alternative Contracting/Service Agreements (Design/Build – Pilot Rule): In accordance with “pilot” SRF rulemaking provisions for Alternative Contracting/Service Agreements, a

facilities project will not be required to proceed according to the Step Process if the applicant is eligible for an Alternative Contracting/Service Agreements SRF loan. Such projects are to comply with the pilot rule and an Alternative Contracting and/or Service Agreement process (see Appendix L, *Pilot Regulation and Guidelines for Alternative Contracting/Service Agreement SRF Provisions*) and must be authorized by and comply with Chapter 39.10 RCW, *Alternative Public Works Contracting Procedures*, and/or Chapter 70.150 RCW, *Water Quality Joint Development Act*.

Applicants for these projects must be able to assume significantly greater responsibilities in accordance with delegation provisions for the review of design of their own facilities to participate in the “pilot rule process.” Ecology would need to be certain that applicants have specific and substantial legal, public works, and financial management qualifications to participate (see Appendix L for details).

The Step Process for Activities

Ecology encourages the Step Process be followed for activities projects, but it is not required in every case. Additional consideration is given, however, in the evaluation process to those applications proposing to implement a specific project identified in a completed comprehensive plan.

Planning (Step 1): Step 1 involves the identification of problems and the evaluation of cost-effective alternatives based on environmental and economic considerations for correcting and preventing water quality problems. Specific activities may include planning for watershed management, ground water management areas, lake restoration, water quality assessment, farm planning, and other related activities.

Implementation (Step 2): Step 2 includes the actual implementation of the project based on the planning document formally accepted by the applicant and approved by other agencies (if approval is ultimately required).

Ecology will require that the Step Process be followed for the following two types of activities projects:

- Best management practices that involve improvements on private property, under the provisions for BMPs, where the BMP has not been recommended by the local conservation district, and
- Lake restoration projects.

Chapter 7: Project Management Considerations

Project management is a very important part of a successful environmental outcome and refers to the day-to-day decisions that are made on loan or grant projects. Project management responsibilities range from making staff assignments, monitoring progress, coordinating the development of payment requests for reimbursement, preparation and submittal of progress reports, organizing and facilitating necessary public meetings/involvement process, and the submittal of any required project products to Ecology. The recipient of any loan or grant has the full responsibility for performance.

Accounting Standards

All loan and grant recipients must maintain accounting records in accordance with generally accepted government accounting standards. These standards include those contained in the most recent edition of the United States General Accounting Office publication, *Standards for Audit of Governmental Organizations, Programs, Activities, and Functions*. Recipients must also follow Ecology's *Administrative Requirements for Ecology Grants and Loans*, Publication No. 91-18, which is available upon request from Ecology's Publications Office, P.O. Box 47600, Olympia, WA 98504-7600, or from its Web page at <http://www.ecy.wa.gov>. In addition, loan and grant recipients are required to maintain an accounting system that can track project expenditures separately from general local government expenses. The recipient of any loan or grant has the full responsibility for financial management.

Ecology may also require the recipient to comply with other conditions, including, but not limited to, environmental review, procurement, discrimination, labor, job safety, drug-free environments, prevailing wage rates, and anti-lobbying requirements.

Recipients of SRF and Section 319 funds must also comply with the federal regulations governing Minority and Women Owned Business Enterprises (MBE/WBEs). For Centennial agreements, MBE/WBE participation is encouraged. At a minimum, all loan and grant recipients must report on MBE/WBE participation with each payment request submittal using the Contractor Participation Report Form D.

Advisory Committee Time

When provided for in a loan or grant agreement, time spent by advisory councils, including costs incurred by advisory councils or committees established according to federal or state requirements, to carry out projects is allowable.

Amendment Process

For some loan and grant projects, modifications and changes to the funding agreement may become necessary because of climatic impacts, changes in site conditions, or a variety of other reasons. Changes must be negotiated and established in writing as amendments to the agreement. There are two types of amendments, which are "Formal" and "Letter." The recipient initiates the amendment process for both types of amendments.

The recipient sends a written request to Ecology's project manager. If the project manager concurs with the request, the financial manager prepares the amendment. If the amendment is a formal amendment, three original amendments are sent to the recipient for signature and all three originals are returned to Ecology. The Ecology Water Quality Program Manager signs the amendment, at which time it becomes effective, unless otherwise specified in the amendment. A copy of the signed amendment is sent to the recipient contact.

If the amendment is a letter amendment, it is signed by Ecology's financial manager and the original is sent to the recipient with a copy placed in Ecology's file.

Formal amendments are used for:

- Budget increases or decreases.
- Scope of work changes.
- Changes to required performance.
- Additional time for performance.

Letter amendments are used for:

- Redistribution of tasks or object amounts in the budget, provided it does not increase or decrease the total eligible costs or the "bottom line."
- Allowing Ecology's fiscal office and the recipient to track costs to the total eligible costs or the "bottom line."

Appeals Process

Loan or grant recipients may formally appeal a written decision made by Ecology staff involved with the project. A written appeal must be sent to Ecology's Water Quality Program Manager within 30 days from the date of the Ecology staff decision. The Water Quality Program Manager will appoint an appeals panel and members will hear testimony and make a recommendation to the Water Quality Program Manager. The Water Quality Program Manager will make a ruling on the appeal request and will notify both the appellant and Ecology staff of the decision. Ecology's appeal determination is considered final and conclusive. Any appeal of Ecology's final determination must be brought to the Superior Court of Thurston County.

Following a final decision of a dispute, Ecology and the recipient will proceed with the project in accordance with the decision rendered. Administrative or legal costs and other expenses incurred as part of an appeal are ineligible for reimbursement under the loan and grant funding programs.

Certifications

All negotiated interlocal agreements necessary for the project must be consistent with the terms of the loan or grant agreement, the DEPARTMENT's current edition of Administrative Requirements for Ecology Grants and Loans, Publication No. 91-18 (October 2000), and Chapter 39.34 RCW Interlocal Cooperation Act.

The recipient must also certify that all requirements of Chapter 39.80 RCW Contracts for Architectural and Engineering Services have been met in selecting qualified architectural/engineering services.

Delegation

For **facilities projects**, Ecology may allow recipients with adequate resources and expertise to self-certify compliance with selected program requirements for wastewater and stormwater treatment facilities. Contact Ecology's project engineer for the list of requirements that may be delegated and for the procedures to request delegation authority.

For **activity projects**, Ecology may delegate authority to recipients to certify compliance with selected program requirements. The recipient must submit a written request for delegation authority and include supporting documentation at the time of application. Documentation should consist of a demonstration by the recipient that it has the capability and resources to undertake delegation, that it is in the best interest of the state, and that the request is consistent with applicable local, state, and federal laws and regulations. If the recipient has received approval for delegation authority in past funding cycles, documentation of previous approval must also be provided.

Disbursements of Loan and Grant Funds

Loan and grant funds are disbursed to recipients on a cost reimbursable basis only. Eligible costs must be incurred within the effective and expiration dates of the funding agreement. An exception to incur costs before the project effective date can be made if prior authorization has been given by the Water Quality Program Manager. See Chapter 4 for more information on prior authorization.

Ecology Staff Contacts

The names and telephone numbers of all Ecology staff assisting with the project are identified in the loan or grant agreement. Recipients will be notified of any Ecology staff changes.

Equipment Purchase/Equipment Fees

Equipment may be purchased for use on the project if it is approved by Ecology's project manager and is included in the financial assistance agreement. If equipment is owned by the recipient, appropriate use fees (see definition below) acceptable to Ecology's project manager and financial manager may be charged as an eligible cost. Use fees must follow *Administrative Requirements for Ecology Grants and Loans*, Publication No. 91-18. If the equipment was donated to the project, the recipient must complete Form I: Valuation of Donated Property, found in the *Administrative Requirements for Ecology Grants and Loans*, Publication No. 91-18.

A use fee (or use allowance) for equipment or facilities owned by the recipient or utilized through a valid interlocal agreement is allowable with DEPARTMENT approval. A use fee:

- Must be justifiable, fair, and reasonably attributed to the project.
- Must directly satisfy the project scope of work.
- Must be shown to be cost effective.
- Cannot exceed the acquisition cost of the equipment or facilities.

- Cannot exceed the rental rate or purchase price for comparable equipment or facilities in the recipient's market.

Extension Provisions and Project Completion

Negotiated time frames must be appropriate for the project. Time extensions may be allowed if adequately justified in writing to and approved by the Water Quality Program Manager. The extension should be requested no less than three months before the funding agreement is due to expire. Time extensions beyond 5 years are limited to 12 months and must meet the following conditions:

- Schedules included in water quality permits, consent decrees, or enforcement orders, or
- An agreement between the recipient and Ecology where there is a need to do work during an environmental window in a specific season of the year

Financial Managers/Management

Ecology financial managers have the responsibility to review loan and grant recipient expenditures and to determine whether the costs incurred are eligible and reasonable.

Financial management refers to the financial accounting of project related costs and issues that are needed to ensure completion of the project according to the terms of the signed agreement. Financial responsibilities range from oversight of accounting procedures, organization of payment documentation, review of sub-contract performance and reimbursement. Financial managers are also responsible for payment request preparation and processing, as well as general financial inquiries.

Force Accounts/Staffing Plans

“Force account work” is defined as a local government using its own staff to complete a facilities project (for the purpose of this program). For activity projects it is referred to as a “staffing plan.” Costs associated with force accounts/staffing plans may be eligible project expenses if:

- The work is performed by qualified employees of the public body;
- The work is accomplished more economically than if procured competitively; and
- The work is consistent with other state and local requirements.

Force accounts/staffing plans do not include administrative services. As with other forms of direct labor, recipients must comply with all state laws pertaining to discrimination, wages, job safety, insurance, licenses, and certifications, etc. Eligibility determination on the scope of services will be made by Ecology’s project manager. Recipients must maintain separate and identifiable records for force account work and will be responsible for ensuring that only eligible costs are charged to the projects. Overtime differential is not allowed.

Indirect/Overhead

An indirect rate of up to 25 percent of salaries and benefits of the recipient’s employee(s) can be charged to cover overhead costs that benefit more than one activity of the recipient and that are not directly assignable to a particular objective of the project. Recipients may be required to

submit documentation at the time of negotiating the agreement as to what is included in the indirect rate or what items will be direct billed.

Match Requirements (Local Share or Recipient Share) and Grant Ceiling Amounts

All water pollution control activity grants must be matched with local funds or other eligible grant or loan funds. Local funds are often in the form of cash, but may be in the form of loans or grants from other funding sources, through in-kind contributions such as local volunteer time or donated materials, or through “Interlocal” (a type of in-kind) contributions through an interlocal agreement. All in-kind contributions must meet the requirements in the *Administrative Requirements for Ecology Grants and Loans*, Publication No. 91-18.

The basic grant share for **water pollution control activity projects**, funded through the Centennial or Section 319 programs, is 75 percent of the total eligible costs. For projects where the Ecology share is \$250,000 or less, the match may be composed of any combination of cash, interlocal contributions, and in-kind contributions, and may include funds from loans or from other grants that are not derived from the Water Quality Account. For projects where the Ecology share is more than \$250,000, up to the activities ceiling amount of \$500,000, the match must be all cash.

The only grants funded for **water pollution control facilities projects** are if a construction project has been determined to cause a financial hardship on the residential ratepayer. The maximum grant share for construction of facilities under the Centennial program, if a hardship has been determined, is 50 percent of the total eligible cost (TEC) (plus an unemployment differential percentage in some cases) or \$5,000,000, whichever is less. Section 319 grants are eligible for facilities projects.

The unemployment differential is only available when the three-year average county unemployment rate exceeds the three-year average statewide unemployment rate by at least one full percentage point. In these cases, the “differential” is the entire three-year average county unemployment rate. For example, if the three-year average statewide unemployment rate was 5 percent and the three-year average county unemployment rate was 12 percent, the applicant might be eligible for a grant of up to 62 percent of the eligible project cost for construction. Applicants offered a grant for a water pollution control facilities project under the financial hardship provisions are required to accept an SRF low-interest loan as match for the grant. Total assistance may be limited by ceiling provisions and funding available based on the priority order.

Cash Match is that portion of cash expenditures paid by the recipient. Some projects may require that a specific percentage of the match consist of cash expenditures on the part of the recipient. Generally, a cash match requirement cannot be met with in-kind contributions. However, the costs of goods and services provided to a project by another governmental entity, pursuant to an interlocal agreement, may be used to satisfy the cash matching requirement, if specified in the financial assistance agreement.

Interlocal Contributions as Match is a type of in-kind contribution made to a project by another government pursuant to an interlocal agreement between the recipient and the contributing entity. The interlocal agreement should detail the work to be accomplished, the goods and services to be provided, and the value thereof. Eligible costs incurred for a project

pursuant to an interlocal agreement can be used to satisfy cash matching requirements, if specified in the financial assistance agreement. A signed interlocal agreement must be in place before the contribution entity incurs the eligible costs. Copies of the interlocal agreement are to be sent to Ecology's financial manager.

By signing the financial assistance agreement, the recipient certifies that all interlocal agreements are consistent with Chapter 39.34 RCW, *Interlocal Cooperation Act*. All interlocal costs must be fully documented and verification provided to Ecology's financial manager upon request.

Interlocal contributions differ from other in-kind contributions, in that the following are eligible match:

- An indirect rate of up to 25 percent of salaries and benefits can be billed to a grant through a valid interlocal agreement; however, the recipient may be required to document what is included in the indirect rate or what items will be direct billed. The rate cannot exceed that allowed to the recipient.
- Cost of transportation can be recovered through mileage or an indirect/overhead rate. Mileage may only be charged to the project at the current state mileage rate.
- Per diem, travel, and subsistence expenses are allowable at state travel rates.
- Prevailing wages of the public body providing the services may be used, if wages are documented.

In-Kind Contributions as Match is property or services that benefit a project and is contributed to the recipient (or any contractor under the agreement) without direct monetary compensation. In-kind contributions must be fully documented and reported separately when requesting reimbursement. In-kind contributions include donated or loaned real or personal property, volunteer services, and employee services donated to a project.

When a third party employer (i.e., not the recipient or a contractor under the agreement) contributes the services of an employee, in the employee's normal line of work, to the project at no charge to the recipient, the services will be valued at the employee's regular rate of pay if salaries and wages are documented.

The current in-kind rate for volunteer services includes the value of travel expenses contributed by volunteers:

- Adults: \$15.00 per hour
- Children (under 18): Washington State minimum wage at the time the service is provided

The following are examples of ineligible in-kind contributions:

- Contributions of overhead costs, per diem, travel, and subsistence expenses;
- Contributed time from individuals receiving compensation through the grant, except when that individual is off duty, or contributing on their "own time;"
- Time spent at advisory groups or meetings; and

- Studies conducted by other state or federal agencies.

Small Towns Environment Program (STEP) Program Match - Applicants may not use in-kind contributions as a percentage of the local share for any facilities projects except where the project is part of an Ecology-designated STEP effort. However, the local share may come from any combination of cash, other grants, or loans.

Non-Ecology Grants used to Match an Ecology Grant is allowed with specific criteria:

- The scope of work on the matching grant must directly satisfy the scope of work on the Ecology grant.
- The date that the costs for the matching grant were incurred must fall within the effective and expiration dates of the Ecology grant.
- The costs incurred under the matching grant must be eligible according to all criteria set forth for the Ecology grant.
- The matching grant cannot originate from the same funding source as the Ecology grant.

Donations that become the long-term property of the recipient and are used to directly satisfy the project scope of work are considered a cash expenditure made by the recipient.

Light Refreshments

Coffee (and any other non-alcoholic beverage such as tea, soft drinks, juice or milk) and snacks that may be served at meetings or conferences are considered to be “light refreshments.” Light refreshments are eligible when specifically allowed by the conditions of the agreement and when permitted by Ecology travel policies (see Ecology Travel Policies §§ 15-17 and Appendix Page E-1 in *Administrative Requirements for Ecology Grants and Loans*, Publication No. 91-18).

Payment Holds or Termination

If a recipient does not satisfy all conditions contained in the agreement, Ecology may withhold the payment, decrease the payment by the amount proportionate to the costs associated to the incomplete work, or terminate the agreement. Following termination, Ecology may require repayment of all or part of the funds disbursed to a recipient.

Termination may also result in a financial settlement, reflected in an amendment to the loan or grant agreement. In such a settlement, the recipient must demonstrate to Ecology’s satisfaction that a specific portion of the project’s agreed-upon scope of work was accomplished. The Water Quality Program Manager must issue a written notice of termination at least five working days prior to the effective date of the termination.

Payment Processing

The recipient submits to the Ecology financial manager a completed A19-1A Invoice Voucher and all required forms (fully completed). The recipient’s authorized signatory must sign the A19-1A Invoice Voucher, preferably in blue ink. The Ecology financial manager verifies that the request is filled out correctly and that the costs entered are eligible. The Ecology financial manager then certifies the payment request and forwards it to Ecology’s fiscal office for payment processing.

Payment Requests

All payment requests must use the procedures described in *Administrative Requirements for Ecology Grants and Loans*, Publication No. 91-18.

Payment requests must include the following required forms:

- A State of Washington Invoice Voucher Form A19-1A,
- Running Budget Summary Form B1 (ECY 060-3) or B2 (ECY 060-7),
- Voucher Support Form C1 (ECY 060-8) or C2 (ECY 060-9), and
- Contractor Participation Report Form D (ECY 060-11).

Where applicable, payment requests should also include:

- Monthly Time Sheet Form E (ECY 060-12),
- Record of Meeting Attendance Form F (ECY 060-13),
- Sales and Use Tax Report Form G (ECY 060-14) (projects funded with Centennial),
- Conversion to a Composite Hourly Billing Rate for an Employee Form H (F-21), and
- Valuation of Donated Property Form I (ECY 060-15).

Documentation in addition to the required and supplemental forms is not currently required as part of the payment request submittal. However, the Ecology financial manager may request additional documentation to support the costs reflected in a payment request. Recipients must keep supportive documentation available in project files for the duration of the project and for five years following project completion.

Permits

Recipients must secure any necessary permits required by authorities having jurisdiction over the project and must provide documentation to Ecology upon request. Work on the preparations and negotiations is an eligible cost, but the costs of permit fees are considered a normal operating expense and are, therefore, ineligible for loan and grant funding.

Procuring Goods and Services

The loan or grant recipient is responsible for procuring professional, personal, and other services using sound business judgment and good administrative procedures consistent with applicable federal, state, and local laws, orders, regulations, and permits, including those related to discrimination, labor, and job safety. This includes issuance of invitation of bids, requests for proposals, selection of contractors, award of subagreements, and other related procurement matters.

The Office of Minority and Women Owned Business Enterprises (OMWBE) has established voluntary goals for the participation of minority- and women-owned businesses in procurements made with Ecology funds. OMWBE guidelines for federally funded projects are different from state-funded projects. The loan or grant financial assistance agreement will contain a special term and condition regarding OMWBE reporting requirements.

Progress Reports

Loan and grant recipients are required to submit progress reports that are established in the loan or grant agreement. Typically, progress reports are submitted quarterly: January – March; April – June; July – September; October – December. Reports are due thirty (30) days following the end of the reporting period. Section 319 progress reports are due on a semi-annual basis: January – June and July –December, and they are due fifteen (15) days following the end of the reporting period.

In addition to a description of the progress being made, progress reports should include the date and the quarter in which the recipient is reporting and a description of any problems, delays, or adverse conditions that might affect the project objectives, time schedules, or required performance items. Where there are such problems, recipients also need to include a statement of the corrective or compensatory actions taken or proposed and identify any Ecology assistance that may be needed.

Progress reports are to be submitted to the Ecology financial manager identified in the loan or grant agreement. The financial manager is responsible for making a copy of the progress report and sending it to the Ecology project manager. Payment will be withheld if required progress reports are not submitted.

Public Awareness

Ecology requires recipients of loans and grants to inform the public about the project and Ecology and/or EPA's participation for the following:

- Any site-specific project, such as a facilities project or a BMP implementation project, must have signs acknowledging state and/or federal participation. Logos are available from Ecology financial managers for use on the signs.
- All publications (brochures, reports, etc.) using Ecology funding must include acknowledgment of state and/or federal participation.
- Under Section 319 grants, the funding recipient is required to notify the public about the project. Requirements for the notification usually include: goals of the project; total cost; the involvement of Ecology and the federal government; the EPA grant number provided to the recipient; etc.

Transportation Costs

Cost of transportation can be recovered through mileage, a use fee (see definition below), or an indirect rate. Mileage may be charged to the project at the current state mileage rate. This mileage charge includes all travel related needs (gas, tires, insurance, maintenance, etc.) To find the current state of Washington mileage rate, go to <http://www.ofm.wa.gov>, then click the links in the following order:

- State Financial Policies and Guidelines
- State Administrative and Accounting Manual (SAAM)
- Table of Contents
- 10.90 Travel Rates
- 10.90.10.b Schedule A: Lodging, Subsistence, and Mileage Continental USA–PDF File

A use fee (or use allowance) for equipment or facilities owned by the recipient or utilized through a valid interlocal agreement is allowable with Ecology approval. A use fee:

- Must be justifiable, fair, and reasonably attributed to the project.
- Must directly satisfy the project scope of work.
- Must be shown to be cost effective.
- Cannot exceed the acquisition cost of the equipment or facilities.
- Cannot exceed the rental rate or purchase price for comparable equipment or facilities in the recipient's market.

Chapter 8: Loans

Loans are available for up to 100 percent of the total eligible project costs (TEC), provided that this amount does not exceed the ceiling amount per project. Centennial or SRF loans may be used to match eligible Centennial and Section 319 grants. Ecology's Water Quality financial assistance may also be used to match grants and loans provided by other state or federal agencies for water quality projects, as allowed by the eligibility and priority criteria of these programs.

Fund Limitations

Chapter 173-98 WAC, *Uses and Limitations of the Water Pollution Control Revolving Fund*, requires Ecology to distribute money according to the following category allocations: 80 percent of the fund is to be used for water pollution control facilities, while 20 percent of the fund is reserved for nonpoint source pollution control planning and implementation projects, and comprehensive estuary conservation and management projects. Unless the demand for funds is limited, not more than 50 percent of each funding category allocation can be awarded to any one public body. In addition, if requests for SRF assistance in one category do not result in the offer obligation of all available funds, any remaining funds are transferred to the other fund category. Loans may be provided for up to 100 percent of the TEC.

Chapter 173-95A WAC, *Uses and Limitations of the Centennial Clean Water Fund*, also establishes ceiling amounts for loan funds distributed from this account. Where financial hardship cannot be shown, the total Centennial loan amount for any project cannot exceed 100 percent of the TEC or \$5,000,000, whichever is less, provided that this amount does not exceed one-third of the available funds for competitive projects for a single funding cycle. Where financial hardship can be shown, the total Centennial grant amount cannot exceed 50 percent of the TEC or \$5,000,000, whichever is less. Furthermore, this amount cannot exceed one-third of the available funds for competitive projects for a single funding cycle. For design/construction (Step 4) projects, the total eligible project cost funded through Ecology cannot exceed \$1,000,000.

Refinancing Existing Debt

Applicants that have satisfied all applicable SRF requirements may apply for SRF loans to refinance existing debt for wastewater and stormwater facilities projects that were financed with non-SRF loans. Activity projects are not eligible for refinance.

There are two kinds of refinance – interim refinance or standard (traditional) refinance.

Interim Refinance:

Interim refinance is for projects that are still in progress and where the applicant proceeded on its own accord using funding from a source other than Ecology. Applicants need to apply for funding in the same manner as any new project and need to clearly state that the project is underway. Applicants should also note that the loan request is to retire an existing debt as well as to fund all or part of the rest of the project, and should make sure that all prerequisite documents have been secured. Applicants for these projects need to fill out and submit **Part 1** and **Part 2** of the **Application only**.

Standard Refinance:

Standard refinance is for those projects that are successfully completed and were accomplished using non-Ecology funding sources. Standard refinance projects will not be offered funding unless there is insufficient demand for funding for new projects and interim refinance projects. Applicants must specifically explain where funds for the project were originally obtained (e.g., internal funds, other specific agencies, bond issuance, etc.) Ecology cannot refinance prior SRF debt. Applicants must also explain the specific provisions for repayment. The debt for the project must still be outstanding, bonds must be callable, and the refinance application must be intended to entirely or partially retire the debt, presumably with more beneficial terms for the applicant public body. Ecology will not advance refund a prior debt. Applicants for standard refinance projects need to **only** submit **Parts 1 and 3** of the Application Form.

When funds are available for standard refinance projects, the recipient will be ranked by financial need, using the information on Part 3 of the Application, with the standard refinance projects causing the greatest financial burden on ratepayers receiving the highest priority for funding.

Loan Terms and Interest Rates

Ecology bases interest rates for projects on the average market interest rate for tax exempt municipal bonds (as published in the *Bond Buyer's Index*). According to Chapter 173-95A WAC and Chapter 173-98 WAC, Ecology calculates the average market rate based on the daily market interest rate for the period 60 to 30 days before the start of the application cycle. The rates are determined based on repayment time. For a repayment period of up to five years, the rate is determined to be 30 percent of market rate for tax-exempt municipal bonds. For a repayment period of more than 5 years, but no more than 20 years, the rate is determined to be 60 percent of market rate for tax-exempt municipal bonds.

The SRF rule also allows Ecology to set interest rates lower than this if it is not detrimental to the fund. If financial hardship is established, Ecology may provide lower interest rates, longer loan terms, or both.

Loan terms will be posted on the Water Quality Program Web site and announced during the annual Water Quality Program Application Workshops.

Interest on loans is compounded monthly.

Reserve Requirement

For loans that are revenue-secured debt with terms greater than five years, the recipient is required to commit to accumulating a reserve equivalent to at least the average annual debt service on the loan during the first five years of the repayment period of the loan. This amount is to be deposited in a reserve account in the loan fund in approximately equal annual payments beginning within one year after the initiation of operation or the project completion date, whichever date comes first. The reserve account for a loan that constitutes revenue-secured debt is an account created to secure the payment of the principal of and interest on the loan. The amount on deposit in the reserve account may be applied by the recipient to:

- Make, in part or in full, the final repayment to Ecology of the loan amount, or

- Be used for any other lawful purpose of the recipient once the loan amount plus interest has been paid in full.

Loan Disbursement

Recipients submit requests for payment at least quarterly but not more than monthly, unless an alternative disbursement schedule is negotiated and included in the agreement. An incurred cost is defined as one that is due and payable. Interest begins to accrue on each disbursement at the time it is paid to the recipient. The recipient project files must include supporting documentation of all costs incurred.

Loan Repayment

Semi-annual loan repayment begins one year after the project completion date or initiation of operation date or five years after the first disbursement, whichever date comes first. There is no restriction or penalty for early loan repayment.

Special Provisions for Loan Agreements

Authorizing Ordinance or Resolution. Applicants must provide an authorizing ordinance or resolution regarding the final draft of the loan agreement that is signed by the governing board or council to the effect that the respective public body accepts its responsibilities to repay the loan and abide by other provisions of the agreement.

Insurance. Recipients must maintain comprehensive insurance coverage on all projects in amounts equal to the funds disbursed.

Opinion of Recipient's Legal Counsel. Applicants must provide a statement from legal counsel regarding the final draft of the loan agreements (*see Appendix K, Opinion of Recipient's Legal Counsel*).

Pledge of Net Revenue (and, if appropriate, Utility Local Improvement District (ULID) Assessments in the ULID). Applicants need to agree that for as long as the loan is outstanding the recipient must irrevocably pledge the net revenue of the utility (and, if applicable, ULID assessments in the ULID) to pay when due the principal of and interest on the loan.

Maintenance and Operation of Utility. Applicants need to agree to maintain and keep the utility at all times in good repair, working order and condition, and also operate the utility and the business in connection there within in an efficient manner and at a reasonable cost.

Local Loan Funds

Ecology may provide loans to local governments to establish local loan funds. These loan programs should assist private citizens and small commercial enterprises by providing loans for water quality improvement projects. Local governments may lend money to rehabilitate on-site septic systems, to implement some BMPs, to rehabilitate community stormwater systems, and to alleviate other local water quality problems.

Side sewer repair or replacement (without a public easement given by the recipient) is eligible for loan funding under the Centennial program only. Under the SRF program, federal law precludes funding side sewer repair or replacement unless there is a public easement. Local loan

funds for BMPs funded through SRF may not provide assistance for waste management systems that are considered concentrated animal feeding operations (CAFOs) as defined by federal law.

Before signing a loan agreement, the Water Quality Program must review and approve:

- The priority system used by a local government to identify and fund projects with the most critical water quality and public health problems;
- The local government's dedicated source of revenue to repay the loan to Ecology;
- Procedures to ensure that the citizens repay their loans to the local governments;
- Procedures to ensure adequate inspection of the project by the local governments during implementation;
- Assurances that citizens receiving local loan funds will properly operate and maintain the systems that are constructed.

If local loan funds are used for on-site sewage system repair and replacement, side-sewer connections, or any other facilities projects, the public body administering the loan must be in compliance with the Growth Management Act (if required) at the time of the loan award to the public body.

The following guidelines must be used when local governments consider providing loans from local loan funds to small commercial enterprises for on-site septic tank rehabilitation or replacement:

- No more than one-third of the local loan fund may be used by small commercial enterprises for on-site wastewater treatment corrections.
- No more than half of this one-third amount (one-sixth) may be loaned to any single individual or business, up to a maximum of \$50,000.
- The average daily flows for any one single individual or business cannot exceed 3,500 gallons per day.
- These enterprises may include public lodging (including motels, hotels, and bed and breakfast establishments), rentals (apartments, duplexes or houses), small restaurants, stores, or taverns.

Chapter 9: Facilities Projects

Water pollution control facilities projects can include facilities planning, design, construction of a traditional wastewater pollution control facility, stormwater projects, and construction of water reclamation facilities. The technical prerequisites and approval process for facilities projects can be extensive. Please refer to Chapter 6 for information regarding the Step Process for facilities projects.

Growth Management Act Compliance

To be eligible for Centennial and SRF funding, certain applicants for facilities projects must be in compliance with the Growth Management Act (GMA). For Ecology's purposes, applicants must comply with the requirements for comprehensive planning and development regulations (see RCW 36.70A, *Growth Management-Planning by Selected Counties and Cities*, and RCW 70.146.070, *Water Pollution Control Facilities Financing*). Ecology may make exceptions in situations involving a public health need or a significant environmental degradation.

Ecology includes the SRF in this prohibition because:

- The state's match for the federal funds comes from the Water Quality Account (source of the Centennial fund);
- There is a need for consistency between the funding programs; and
- Ecology must comply with legislative intent and the statutory requirements of the GMA.

Any public body required to comply with the GMA or any public body that has opted to comply with the GMA must certify its compliance with the applicable GMA requirements at the time a loan or grant agreement is signed, unless exceptional situations exist. The public body certifies its compliance by signing the funding agreement.

GMA does not affect activity project applications, such as watershed planning, water quality monitoring, public information and education, etc. Facilities projects proposed by local governments not planning under the GMA and facilities projects proposed by special districts (such as sewer districts or public utility districts) are also unaffected.

Ecology implements GMA compliance in several ways:

1. GMA compliance status may have an impact on the priority evaluation of proposed facilities projects, because facilities projects in areas out of compliance with the GMA may not be ready to proceed.
2. Ecology coordinates with the Washington State Department of Community, Trade, and Economic Development to help ensure that the applicants are in compliance when the financial assistance agreement is signed. Centennial loan and grant offers and SRF loan offers are effective for one year from the publish date of the combined Final Offer List. If GMA compliance is achieved during that time period, the agreement may be signed.

3. Ecology exceptions do not relieve applicants of their responsibilities to comply with GMA requirements. However, under certain circumstances Ecology will make temporary exceptions to the GMA compliance requirement if the proposed projects are required to address a “serious public health need” or a “significant environmental degradation.” Such determinations based on designations proposed by applicants are scrutinized very carefully, and determinations are made on a case-by-case basis. For details on the processes for determining these situations, see Chapter 173-95A-070 WAC, *Uses and Limitations of Centennial Clean Water Funds*, and Chapter 173-98-075 WAC, *Uses and Limitations of the Water Pollution Control Fund*.

Planning and Design Document Reviews

In accordance with Chapter 90.46 RCW, Chapters 173-95A WAC, 173-98 WAC, and 173-240 WAC, the following are general requirements for review of planning and design documents:

- All environmental reviews must be completed.
- At least two copies of draft documents and three copies of final documents should be submitted to the appropriate regional office of Ecology. Additional copies of a document may be requested by the Ecology project manager, who will also advise and coordinate Department of Health (DOH) review requirements, as applicable.
- Any documents (draft or final) submitted to Ecology for review and approval must be submitted by the recipient, not by the consultant working for the recipient.
- Applicants need to allow adequate time for review and approval of technical documents. Applicants should allow at least 60 days for the review and approval process.
- Ecology’s regional engineer will make a preliminary eligibility determination for the projects proposed in the facilities plan. The final determination of eligibility will be updated at the time of bid award of the construction contract.
- Before facilities planning or design can be approved, the eligibility determination must be completed.

Applicants planning to submit facilities planning and design documents to Ecology for review and approval should discuss details and timelines with DOH and Ecology regional engineering staff very early in the preparation process.

Sewer Planning (Comprehensive)

Comprehensive sewer plans, also known as general sewer plans, are eligible for loan funding. These plans must comply with Chapter 173-240 WAC, *Submission of Plans and Reports for Construction of Wastewater Facilities*.

Engineering Reports

Engineering report preparation is not eligible for Water Quality Program funding. Engineering reports do not satisfy all of the eligibility requirements for Ecology and other state and federal agencies, such as Community Development Block Grants and United States Department of Agricultural Rural Development grants.

Ecology and the Department of Health (DOH) jointly review and approve engineering reports or facilities plans. The reviews are intended to ensure that applicants include consideration of opportunities for the use of reclaimed water as defined in RCW 90.46, *Reclaimed Water Use*, as well as meet the requirements of Chapter 173-240 WAC, *Submission of Plans and Reports for Construction of Wastewater Facilities*, and that the most appropriate, cost-effective technology is being proposed. Ecology and DOH also jointly review design documents (plans and specifications) if the project includes reclaimed water facilities.

Facilities Plans

Preparation of facilities plans is eligible for Water Quality Program funding.

Applicants must comply with “facilities planning” requirements in order to be eligible for financial assistance from Ecology and other state and federal agencies, such as Community Development Block Grants and United States Department of Agricultural Rural Development grants.

Facilities plans approved by Ecology for purposes other than the securing of a loan from Ecology will not be accepted for design purposes, due to specific loan review criteria. In addition, facilities plans reports approved by Ecology more than two years prior to the close of a loan and grant application period must contain evidence of a recent review by Ecology to ensure that the document reflects current conditions.

Facilities plans must address the requirements of Chapter 90.46 RCW, Chapter 173-240 WAC, and 40.CFR, Part 35, *State and Local Assistance*, as well as the State Environmental Review Process (SERP) and generally recognized engineering standards and good practices.

State Environmental Review Process (SERP)

The State Environmental Review Process (SERP) helps to ensure that SRF recipients with a facilities project select environmentally sound and cost-effective alternatives. All recipients must comply with State Environmental Policy Act (SEPA) and other applicable state and federal environmental statutes, regulations, and executive orders. SERP requirements must be complied with prior to the approval of the facilities plan.

To complete SERP, the applicant must receive Ecology’s concurrence on all SEPA documents and the *Washington State Water Pollution Control Revolving Fund (SRF) Environmental Information Document (EID)*. In addition, if other funding agencies are involved, the applicant needs to coordinate with those other funding agencies to avoid duplication of SERP or National Environmental Policy Act review process. For further information on SERP and completing the EID, the applicant should contact the engineering staff of the applicable Ecology regional office.

Commercial, Industrial, or Institutional Flows

The portion of a project designed to serve the needs of commercial, industrial, and institutional customers may be funded using SRF loans only. Eligibility for an SRF loan is based on the 20-year projected need for residential, commercial, industrial, and institutional flows. Wastewater facilities that are solely dedicated to address commercial, industrial, and institutional (such as schools, hospitals, and prisons) needs are not eligible for financial assistance.

Capacity Limitations

The eligibility for capacity for growth differs between the Centennial and SRF programs.

Under the Centennial program, the eligibility of capacity of a water pollution control facility will be based on the following:

- One hundred (100) percent of residential flows (existing at the time that a Step 3 or Step 4 application is submitted to Ecology) is eligible for a loan, or, if financial hardship has been determined, a loan/grant combination.
- An additional 10 percent of residential flows (capacity for growth) will be eligible for a 100 percent Centennial loan.
- The capacity of the facility to treat infiltration/inflow (I/I) after cost-effective removal of I/I flows is eligible for a loan, or, if financial hardship has been determined, a loan/grant combination.
- The capacity above 110 percent of existing residential flows is excess capacity under the Centennial program and is ineligible for funding under the Centennial program. However, it may be eligible for funding under the SRF program.

Under the SRF program, reserve capacity to accommodate flows associated with up to 20-year projected growth within defined service areas is SRF loan eligible.

Ecology establishes capacity limits and funding eligibility of a stormwater control facility consistent with the limits for other water pollution control facilities. Ecology will not participate in the cost of reserve capacity of a stormwater control facility to accommodate development or to mitigate flood control problems.

Facilities Design

The plans and specifications must be consistent with Chapter 173-240 WAC, *Submission of Plans and Reports for Construction of Wastewater Facilities*, the approved facilities plan, Ecology's *Criteria for Sewage Works Design*, and other specified requirements. The plans and specifications must be based on the preferred cost-effective alternative identified in the approved facilities plan.

Construction

In order to make limited loan and grant funds available to other high priority projects, Ecology will adjust a facilities construction loan or grant by amendment in order to meet the low, responsive, responsible bid. Likewise, depending on the availability of funding, and upon receiving a request from a recipient, Ecology may consider increasing its eligible share of a loan

or, in the case of hardship, a grant award not to exceed the ceiling amount, in order to assist the recipient in meeting the low, responsive, responsible bid(s) for a specific construction project.

Ecology will meet its loan or grant share of the actual eligible bid amount if the low, responsive, responsible bid falls within the existing loan or grant award amount. The recipient and Ecology will initiate the amendment process as soon as possible after the completion of the bid process in order to make the funds available to other public bodies.

Financial Hardship Assistance for Facilities Construction

Ecology may offer grants for facility construction in cases where the applicant is able to demonstrate that the project causes excessive financial burden to the residential ratepayer. Before grant money can be offered, Ecology will attempt to use other methods to relieve the financial hardship on the ratepayer, including longer loan terms and lower interest rates. Ecology will attempt to minimize the financial burden, but cannot guarantee specific results.

If grant funds are offered to offset financial hardship, the project cannot exceed ceiling amounts for facilities grants. Where financial hardship is determined by Ecology, the total eligible costs (TEC) for facilities construction using Centennial funds cannot exceed \$10,000,000, and the grant amount cannot exceed 50 percent of the TEC (plus an unemployment differential percentage in some cases) or \$5,000,000, whichever is smaller. When funded with an SRF loan, the TEC cannot exceed 50 percent of the amount available in the Water Pollution Control Facilities category per funding cycle and the loan may be for up to 100 percent of the TEC.

The unemployment differential is available when the three-year average local unemployment rate exceeds the three-year average statewide unemployment rate. In these cases, the differential is the entire three-year average local unemployment rate. For example, if the three-year average statewide unemployment rate was 5 percent and the three-year average county unemployment rate was 12 percent, the applicant might be eligible for a grant of up to 62 percent of the eligible project cost.

When Ecology has determined that financial hardship exists and agrees to award grant funds for a facilities project, the match must come from an SRF loan from Ecology. This loan must be for at least an amount equal to the amount of grant funds offered. An exception will be made if the grant is for more than 50 percent of the total eligible costs that included an unemployment differential, in which case the match from an SRF loan must be for the remaining amount of the TEC.

Ecology calculates the need for hardship assistance based on water pollution control facilities construction costs associated with existing residential need at the time an application for funding is received by Ecology. Hardship is demonstrated if the project will cause a residential sewer user charge in excess of 1.5 percent of the median household income. Existing residential need is the work required on the recipient's water pollution control facilities for the existing residential population in order to meet the recipient's National Pollutant Discharge Elimination System (NPDES) or state waste discharge permit. The analysis does not include costs for growth. A simplified example is: an applicant applies for \$10 million to finance facilities

construction costs; \$6 million is for existing residential need, and the remaining \$4 million is for growth. Ecology bases the hardship analysis on the \$6 million for existing residential need.

The following methods for lowering the financial burden on the ratepayer will be used in this order:

- Longer loan terms (to a maximum of 20 years)
- Lower interest rates (as low as zero-percent interest)
- Partial grants (for the existing residential need portion of the project)

In rare circumstances, financial hardship for facilities projects cannot be established using residential user fees as a percent of median household income. In these situations, Ecology determines financial hardship on a case-by-case basis.

An applicant requesting financial hardship assistance should submit a completed Financial Hardship Analysis Form with its financial assistance application. Applications for FY 2007 financial hardship assistance can be obtained:

- At the Application Workshops
- By e-mailing or calling Brian Howard at brho461@ecy.wa.gov or 360.407.6510.
- At the Financial Assistance WEB address:

<http://www.ecy.wa.gov/programs/wq/links/funding.html>

Construction Bid Overruns

The additional costs of bid overruns under the SRF program are eligible. The additional costs of bid overruns in excess of 110 percent of the estimated construction bid amount shown in the application are not eligible for loan or grant participation under the Centennial program.

Change Orders

A change order is a formal document that modifies some condition(s) of the original construction contract document. Ecology reviews all construction change orders and approves or disapproves them. The reviews cover technical merit, impact on the construction schedule, and compliance with other regulatory program requirements. The funding recipient must execute a change order any time there is a variation in an original construction contract document. Variations typically include changes in scope of work, contract price, construction methods, times to complete the work, and major design or process changes (such as changes in location, size, capacity, or quality of major equipment). Ecology may require a final quantity adjustment at the end of each contract to reconcile the originally contracted quantities with the quantities actually used.

The SRF program may provide a five-percent contingency for change orders. The five-percent contingency will be based on the total eligible cost of the actual bid award amount. Centennial and Section 319 funds may not be used for cost increases due to change orders.

Water Reclamation Facilities

As with all water pollution control facilities, applicants may apply for loans only for facilities planning, design, and construction of water reclamation facilities. Water reclamation facilities are eligible for loans design and construction if they are considered to be the cost effective solution in an Ecology approved facilities plan. Reclaimed water facilities must meet the same eligibility standards as other water pollution control facilities. Cost effectiveness can include the environmental benefits of advanced wastewater treatment as well as the provision of additional water supplies. Provisions for financial hardship may also apply to water reclamation facilities construction projects.

In general terms discussed below, eligible project elements may include, but not be limited to:

- Wastewater treatment plant facilities.
- Distribution rapid infiltration basins.
- Dedicated irrigation systems necessary to support the use of the water, such as poplar plantations.
- Purchase of land when that purchase was necessary for water storage or is the cost effective option, such as a dedicated land application site.
- Distribution piping and appurtenances needed to transport reclaimed water to the reuse site.
- Land purchase for dedicated publicly owned reuse sites.
- Piping and public land for public water feature, such as those required for environmental mitigation in accordance with requirements from the State Environmental Review Process or National Environmental Policy Act.

However, purchase of land and distribution systems for recreations facilities (e.g., golf courses, ball fields, and parks) and similar community development features not directly related to water and wastewater infrastructure needs are ineligible for financial assistance.

Additional treatment needed for reuse, distribution, and use costs may be considered in calculations for hardship determinations (grant eligibility) when there is a significant water quality benefit in the use of the water. Examples of water quality benefits include, but are not limited to, the following:

- Projects aimed at restoring or protecting designated uses by returning reclaimed water to state water bodies for environmental protection and enhancement (stream flow augmentation for instream flows, wetlands habitat, and ground water recharge).
- Projects aimed at restoring or protecting designated uses by replacing existing upstream or groundwater withdrawals.
- Projects removing a wastewater discharge that is causing a receiving water quality problem.

Treatment, storage, distribution, and use costs that provide a water supply rather than a water quality benefit may not be considered in calculating hardship determinations for grant eligibility. These costs may be loan eligible, provided that the overall project is the cost effective alternative

and the revenues derived from the sale and utilization of reclaimed water are used to offset the cost of operation of the reclamation treatment facility.

Projects and implementation components of eligible reclaimed water use projects for withdrawal of water from state ground or surface waters is generally not eligible. There may be an exception (the project may be loan eligible) if the recovery from ground water or reservoir storage is used to obtain a water quality rather than a water supply benefit or if the revenues from the sale and utilization of reclaimed water will be used to offset the costs of construction and operation of the treatment facility.

Stormwater Projects Eligible for Loans

The following stormwater projects are eligible for loans (see Chapter 10 for activities stormwater projects):

- Projects that are considered directly part of the actual preparation of a facilities plan (along with design and construction of stormwater facilities).
- Projects proposed by legally established stormwater utilities, except in the construction step where the project would otherwise cause a financial hardship. Stormwater utilities have a revenue base from which loans can be repaid.
- Stormwater activities and facilities required by a discharge permit (including monitoring).

Note: 1. Detention and treatment of stormwater from new, existing, and historic commercial and industrial sites is the legal responsibility of the property owner.

2. Projects located in the Puget Sound basin must comply with the Puget Sound Water Quality Management Plan, including meeting the requirements of the Basic Program and the Comprehensive Program.

Chapter 10: Activities Projects

Water pollution control activities include a wide variety of projects that do not involve constructing or preparing to construct a traditional wastewater pollution control facility. The technical prerequisites and approval process for these kinds of projects may be less extensive than for projects involving facilities planning, design, or construction. However, other specific review and approval requirements may be specified by Ecology in the individual loan or grant agreements.

Best Management Practices (BMP) Projects

Implementation of BMPs on private property, public property, public easements, or public rights-of-way through private property are eligible for loan funding. Some BMP implementation projects may be eligible for grant funding. In addition, the BMPs must provide public benefits through improved water quality. Concentrated animal feeding operations (CAFOs) are eligible only for loans for BMP implementation and only under the Centennial program, with the exception that those projects proposed in areas covered by federally designated National Estuaries may be eligible for SRF loans. See Appendix I, *Financial Assistance for BMPs*, for specific information on the requirements for BMPs. A public body must administer all funds and contracts.

Ground Water Management Area Programs

Ground Water Management Area (GWMA) programs are eligible for loan or grant funding. A public body applying for funds to develop GWMA programs must be a lead agency for an Ecology-designated GWMA, as defined in Chapter 173-100 WAC, *Guidelines for Development of Ground Water Management Areas and Programs*. A GWMA must be developed cooperatively by a local agency and Ecology and must be structured to address local needs. A guidance document, *Guidelines for Development of Ground Water Management Areas and Programs* (Ecology Publication 86-2, August 1988), is available from Ecology's Publications Office, P.O. Box 47600, Olympia, WA 98504-7600.

Lake Restoration Projects

Lake restoration projects are eligible for loan or grant funding. These fall into three categories, as discussed below.

- **Phase I - Lake Restoration Planning Projects:** Lake restoration planning projects must identify the relationships between existing lake water quality and nutrients from internal (in-lake) and external (watershed) sources. Funding recipients must perform a minimum of 12 continuous months of monitoring and investigations and must address physical, chemical, and biological relationships. The plan must evaluate potential lake restoration techniques for applicability and cost-effectiveness. The lake restoration plan must include a comprehensive approach for implementing both internal and external nutrient controls. If planning calls for methods that include structural or mechanical alternatives, applicants must plan to follow the Step Process for facilities (see Chapter 6, *The Step Process*).

- **Phase II - Lake Restoration Implementation Projects:** Phase II lake restoration implementation projects must implement elements of an approved (Phase I) lake restoration plan. Funding recipients should implement and sequence restoration efforts in a manner that effects maximum nutrient reduction from both watershed and in-lake sources. The project should include water quality monitoring to determine whether implementation efforts are meeting the stated goals and objectives.

Phase II funding recipients that include structural or mechanical alternatives must follow the Step Process for facilities. All lakes involved in Phase II lake restoration projects must have public access. For specific public access needs, see Appendix O, *Lake Public Access Requirements*.

- **Phase III – Post-Restoration Lake Monitoring Projects:** Post-restoration lake monitoring projects are conducted at least three and preferably five years after the completion of a Phase II lake restoration project. These projects are intended to evaluate the effectiveness and longevity of an implemented project and may include water quality monitoring, a comparison of water quality indicators, evaluations of the effectiveness of the restoration techniques, implementation programs, operation and maintenance of structures, and new developments. All completion reports for lake water quality projects must be submitted to Ecology for review and approval.

Public Communication and Education (C&E) Projects

Projects with public communication (including information) and education (C&E) components are eligible for loan or grant funding. Please refer to Appendix J, *Developing Public Communications Project Proposals*, for further guidance on how to develop C&E project proposals. *Please note that this information is provided as a resource or checklist and is not to be submitted.*

Quality Assurance Project Plan (QAPP)

Prior to initiating any water quality monitoring activities, the applicant needs to prepare a Quality Assurance Project Plan (QAPP). Development of the QAPP may be a component of the full project and is eligible for funding. The QAPP must follow Ecology's *Guidelines and Specifications for Preparing Quality Assurance Project Plans for Environmental Studies*, February 2001 (Ecology Publication No. 01-03-003). The applicant may also reference the *Technical Guidance for Assessing the Quality of Aquatic Environments*, revised February 1994 (Ecology Publication No. 91-78) or more current revision, in developing the QAPP.

The QAPP must:

- Describe in detail the monitoring and data quality objectives, procedures, and methodologies that will be used to ensure that all environmental data generated will meet the QAPP requirements.
- Describe in detail the water quality monitoring approach and laboratory protocols, including types of data and samples to be collected, sample location, sampling frequency, sampling procedures, analytical methods, quality control procedures, and data handling protocols.
- Describe data assessment procedures.

- Explain how the project will yield sufficient information to achieve the purpose and intent of monitoring.
- Discuss data accuracy and statistical requirements.

The recipient must submit the QAPP to Ecology for review, comment, and approval before starting the environmental monitoring activities.

The recipient must use an environmental laboratory accredited by Ecology to analyze water samples that require bench testing. Fulfilling this requirement may place a hardship upon the applicant due to the fact that an accredited laboratory is not locally available. In this situation, the recipient must submit a laboratory quality assurance plan for review and approval by Ecology. This plan must include laboratory operations, data quality objectives, analytical procedures, internal quality control checks, data assessment procedures, performance audits, and quality assurance reports.

The recipient should manage all monitoring data collected or acquired under this agreement in order to be available to secondary users and meet the “ten-year rule.” The ten-year rule means that data documentation is sufficient to allow an individual not directly familiar with the specific monitoring effort to understand the purpose of the data set, methods used, results obtained, and quality assurance measures taken ten years after data are collected.

The recipient must submit all monitoring data to Ecology, including meta-data (data about the data) and a complete data-dictionary. Common standards must be used for infrastructure details, such as geographic names, Geographic Information System (GIS) coverage, list of methods, and reference tables. To facilitate data exchange, Ecology has a Data Submittal Guide available via the Internet, which assists with the necessary formats and requirements for tabular data. If GIS data is collected, Ecology data standards are encouraged. An Ecology Focus Sheet entitled *GIS Data and Ecology Grants* (Publication No. 98-1812-SEA) outlines the standards.

Stormwater Projects Eligible for Grants (and Loans)

Stormwater projects directed at non-facility stormwater needs are eligible for loan or grant funding if they directly address water quality improvements. Examples are projects for:

- Education and communication.
- Establishment of stormwater utilities.
- Land use planning.
- Conducting inventories of stormwater sources.
- Mapping and geographic information system of stormwater sources.
- Source control activities, such as erosion control projects involving plantings, storm drain stenciling, etc.
- Reviewing existing local stormwater regulations.

Total Maximum Daily Loads (TMDL) Support Projects

Projects that support the planning and implementation of Total Maximum Daily Load (TMDL) programs are eligible for funding. Project participation must include working directly with Ecology's TMDL coordinators. Projects must be housed in a governmental or nonprofit agency.

Water Quality Monitoring

Water quality monitoring before, during, and after implementation and project completion is critical for tracking environmental and project results.

Loan or grant funding may be provided for water quality monitoring projects. Typically, a recipient undertakes monitoring to characterize the existing conditions of ground and surface waters, to identify or quantify pollutant sources or loads, and to establish the effectiveness of BMPs. Monitoring may be the entire project and/or a component of a larger project. Short- and long-term monitoring should be a component of all projects to ensure that project results are achieved and environmental results are addressed and ultimately achieved.

Watershed Planning Projects

Watershed planning projects are eligible for loan or grant funding. If the project is located in the 12 counties that border Puget Sound, it must comply with planning criteria contained in Chapter 400-12 WAC, *Local Planning and Management of Nonpoint Source Pollution*. Ecology provides guidance for other jurisdictions. All watershed plans must comply with the State Environmental Policy Act (SEPA), and must be submitted to Ecology for review and approval.

Wellhead Protection Projects

Wellhead protection implementation projects are eligible for loan or grant funding. These are projects undertaken to protect the water quality of ground water used as a public drinking water supply.

Glossary

303(d) List: The list required by Section 303(d) of the Clean Water Act and published by the State of Washington that lists all bodies of water in the state known to have impaired water quality. The 303(d) List is available from Ecology. See Appendix D for more details.

Activity or Activities: See “Water Pollution Control Activity.”

Allowable Costs: Costs that meet all eligibility requirements established in the terms of the financial assistance agreement.

Alternative Sewer: Technological alternatives to conventional sewers, including pressure (which utilizes septic tank effluent pumps (STEP) or grinder pumps), vacuum, and small diameter gravity (SDG) sewers.

Applicant: The public body or not-for-profit organization that has applied or is applying for funding.

CAFO: Concentrated animal feeding operation.

Centennial: The Centennial Clean Water Fund.

Change Order: A written order to the contractor authorizing an addition, deletion, or revision in the work within the general scope of the construction contract documents or a written order authorizing an adjustment in the contract price or contract time.

Cost-effective Alternative: That alternative with the lowest present worth or equivalent annual value that achieves the requirements of the projects and that recognizes environmental and other non-monetary considerations.

CWA: The (federal) Clean Water Act.

Director: The Director of the Washington State Department of Ecology or an authorized designee.

Easement: An agreement between a public entity and an individual landowner that allows the public entity to have access to the property at any time to inspect the condition or status of a best management practice or to hold occasional public tours or visitation of the site for education purposes with adequate notice to the landowner. The easement must be in writing and it needs to cover the time period associated with the life of the practice.

Effective Date: The date on which a loan or grant agreement becomes effective, which is also the date it is signed by the Water Quality Program Manager, unless otherwise stated in the letter of prior authorization and subsequent agreement.

Eligible Construction Cost: That portion of the estimated construction cost that has been established as eligible for loan or grant funding.

Eligible Cost: The portion of the cost of the facilities or activity project that can be financed under the provisions of Chapter 173-95A WAC, *Uses and Limitations of the Centennial Clean Water Fund*, to

manage the program, 173-98 WAC, *Uses and Limitations of the Water Pollution control Revolving Fund*, Chapter 173-98 WAC, and the Clean Water Act Section 319.

Enforcement Order: An administrative order that is a document issued by Ecology under the authority of RCW 90.48.120, *Notice of department's determination that violation has or will occur*, and that directs a public body to complete a specified course of action within an explicit period of time to achieve compliance with the provisions of Chapter 90.48 RCW, *Water Pollution Control*.

Engineering Design Services: All professional services required to be furnished by the prime engineering consultant and sub-consultants or by the public body by force account during the design phase and that are necessary for the preliminary and final design of the proposed project elements and facilities.

Engineering Report: A report evaluating engineering and other alternatives that meet the requirements set forth in Chapter 173-240 WAC, *Submission of Plans and Reports for Construction of Wastewater Facilities*.

Environmental Emergency: A problem that the public body and Ecology agree poses a serious, immediate threat to the environment or to the health or safety of a community and that requires immediate corrective action.

Environmental Results: Tangible environmental changes for the better, to be achieved or directly addressed by the project proposed (see Chapter 1, *Introduction*).

EPA: The (federal) U.S. Environmental Protection Agency.

Estimated Construction Cost: The estimated sum of monies to be paid to construction contractors and suppliers for all labor, materials, equipment, and other related work necessary to construct the proposed project elements and facilities.

Excess Capacity: The portion of the capacity limits of water pollution control facilities that exceeds the maximum eligibility for funding under the Centennial and SRF programs.

Expiration Date: (of an agreement or an amendment) is the last date on which costs may be incurred (accrued) and be considered eligible. Any costs incurred after the expiration date are not eligible.

Extended Grant Payments: Cash disbursements made under a grant agreement that do not follow the normal process of reimbursement for actual costs incurred under the Centennial program.

Facility or Facilities: See “Water Pollution Control Facility”

Facilities Plan or Facility Plan: Plans and studies necessary for treatment work to comply with enforceable requirements of the act and with state statutes. Facilities plans must include a systematic evaluation of alternatives that are feasible in light of the unique demographic, environmental or ecological, topographic, hydrologic, and institutional characteristics of the area. Facilities plans must also demonstrate that the selected alternative is cost-effective.

Financial Manager: The financial manager helps negotiate a funding agreement with the funding recipient, is the main contact for payment information, and processes all payment requests. A financial

manager will work closely with the loan and grant recipient and coordinate closely with Ecology's project manager.

Flow: The rate of water discharged from a source, expressed as volume per unit time.

Force Account: Loan or grant project work performed more efficiently and economically using labor, materials, and/or equipment of a public body.

Funding Cut-off Line: The position on a combined Final Offer List or Final Intended Use Plan above which the sum of requested financial assistance from the applicants is approximately equal to the amount of money being offered for that funding category (see "Offer List" and "Intended Use Plan").

Funding List: The list of projects approved by the Water Quality Program Manager that can receive funding from the Centennial, SRF, and Section 319 programs during the time period in which the Offer List is effective.

GMA: Washington State's *Growth Management Act*, including provisions codified in Chapter 36.70.A RCW, *Growth Management - Planning by Selected Counties and Cities*, and Chapter 70.146.070 RCW, *Water Pollution Control Facilities Financing*. In relation to grants and loans from Ecology, see also Chapter 173-95A and 173-98 WAC.

Grant Agreement: A contractual arrangement between a public body and Ecology that includes an approved scope of work, total project cost, set grant percentage, eligible costs, budget, and a schedule for project completion (in addition to other requirements); may be combined with a loan agreement.

Ground Water: Waters that exist beneath the land's surface or beneath the bed of any stream, lake, reservoir, or other body of surface water.

Immediate Corrective Action: Ecology's Water Quality Program Manager has determined that the project must proceed to correct the problem in a timely manner before funds are available during the next regular funding cycle. This usually would involve a Public Health Emergency or an Environmental Emergency.

Indirect Rate: A rate that covers costs that benefit more than one activity of the recipient and that may not be directly assigned to a particular project objective. Please refer to *Administrative Requirements for Ecology Grants and Loans*, Publication No. 91-18.

Initiation of Operation Date: The actual date the facility initiates operation and is being used for its intended purpose. This date may occur prior to final inspection and will be determined by Ecology after consultation with the recipient. This date may be the same as or earlier than the date of project completion.

In-Kind Contributions: The value of non-cash contributions provided by a public body or any other approved parties. Non-cash contributions can be in the form of charges for personal services, real property, non-expendable personal property, and the value of goods and services directly benefiting and specifically identifiable to the project.

Infiltration/Inflow Correction: The cost-effective alternative (s) identified in an approved facilities plan or engineering report for eliminating or reducing the infiltration and inflow (water other than wastewater that enters a sewer system) from an existing sewer system.

Intended Use Plan (IUP): A plan identifying the intended uses by Ecology of the amount of funds available for financial assistance from the State Revolving Fund (SRF) for that fiscal year. The IUP includes a list of projects that may receive financial assistance. The position of projects on the IUP list will be based on the selection process described in these guidelines.

Interlocal Costs: The costs of goods or services provided to a project by a public entity under the terms of an interlocal agreement.

Lake Restoration: Any action taken to prevent lake deterioration or to return a lake system to an unimpaired state or condition.

Loan Agreement: A contractual arrangement between a public body and Ecology that involves a disbursement of funds that must be repaid. The agreement includes an approved scope of work, budget, loan terms (including interest rates), and repayment schedule; may be combined with a grant agreement.

Loan Default: Failure to make a loan repayment within 60 days after the payment was due.

Local Share: See “Match”.

Match: The portion of the project costs borne by recipient funds and the value of the eligible in-kind contributions applied to the project, if any.

Maximum Eligible Costs: The ceiling limit on the costs that are eligible.

Nonpoint Source Water Pollution: Pollution that enters any waters from widespread water or land-based activities, including, but not limited to, atmospheric deposition; surface water runoff from agricultural lands, urban areas, and forest lands; subsurface or underground sources; and discharges from boats or other marine vessels.

Offer List: A list of projects prioritized for receiving financial assistance from the Centennial, Section 319, or SRF programs.

On-site sewage system (OSS): An integrated arrangement of components for a residence, building, industrial establishment, or other places not connected to a public sewer system which convey, store, treat, and/or provide subsurface soil treatment and disposal on the property where it originates or upon adjacent or nearby property, and includes piping, treatment devices, other appurtenances, and soil underlying the disposal component of the initial and reserve areas.

Overhead: See “Indirect Rate”.

Prior Authorization: Written authorization for the applicant to incur eligible project costs before the Water Quality Program Manager signs the agreement. Prior authorization can only be issued after the combined Final Offer List has been issued and the applicant has been offered funding.

Project: A water pollution control facility or activity for which a loan or grant is awarded by Ecology.

Project Completion Date: The last date that a funding recipient may incur loan or grant eligible costs. All items identified in the scope of work must be completed by this date.

Project Manager: The project manager provides technical assistance, helps negotiate a funding agreement with the funding recipient, and manages most of the communication related to the project. A project manager will work closely with the loan and grant recipient and coordinate closely with the financial manager.

Project Results: Quantitative results realistically anticipated that will directly lead to the environmental results.

Public Body: The state of Washington or any agency, county, city or town, conservation district, other political subdivision, municipal corporation, quasi-municipal corporation, and those Indian Tribes now or hereafter recognized by the federal government.

Public Health Emergency: A situation in which illness or exposure known to cause illness is occurring or is imminent (as determined by the Washington State Department of Health).

Public Health Need: A situation documented by a loan or grant recipient and determined as a Public Health Need by the Washington State Department of Health, used only in allowing funding of facilities projects in non-GMA-compliant jurisdictions (see WAC 173-95A-070).

RCW: The Revised Code of Washington.

Recipient: The public body or not-for-profit organization that applied for funding, has been offered funding, and has signed a financial assistance agreement with Ecology.

Scope of Work: A detailed description of the project, including measurable objectives useful for determining successful completion that identified all work to be performed. The scope of work is negotiated between Ecology and the loan or grant recipient.

Section 319 Program: The Nonpoint Source Grants Program authorized by Section 319 of the Clean Water Act.

Septage: The residue pumped from a septic tank.

Service Provider: Any privately owned or publicly owned profit or nonprofit corporation, partnership, joint venture, association, or other person or entity that is legally capable of contracting for and providing services with respect to the design, financing, ownership, construction, operation, or maintenance of water pollution control facilities in accordance with Chapter 70.150 RCW.

Severe Public Health Hazard: A situation declared by the Department of Health and Ecology in which the potential for illness exists, even if the illness is not currently occurring or imminent. There must be contamination of drinking water or contamination must be present on the surface of the ground in such quantities and locations to create a potential for public contact. The problem must generally involve a serviceable area including, but not limited to, a subdivision, town, city, or county. Also, the problem must be one which cannot be corrected through more efficient operation and maintenance of the wastewater disposal system(s).

Sewer: A pipe and related pump stations located on public property, or on public right(s)-of-way and easements that convey wastewater from individual buildings or groups of buildings to a treatment plant.

Side Sewer: Sanitary sewer service extension from the point of terminus of the building drain (said terminus being measured at a point five [5] feet outside the building foundation) to the publicly owned collection sewer.

Sole-Source Aquifer: The sole or principal source of public drinking water for an area designated by the Administrator of the Environmental Protection Agency pursuant to Public Law 93-523, Sec. 1424(e).

State Revolving Fund (SRF) Loan: A loan from the Washington State Water Pollution Control Revolving Fund (SRF) established by Section 212 (Title VI) of the 1987, *Amendments to the Federal Water Pollution Control Act*, and by Chapter 90.50(A) RCW, *Water Pollution Control Facilities - Federal Capitalization Grants*.

Step Process: A systematic process that facilities projects must follow to be eligible for grants or loans. The process requires the applicant for loan or grant funding to proceed according to certain steps, which include planning, design, and construction (see Chapter 6, *The Step Process*, for more details).

Substantial Environmental Degradation: A situation documented by a loan or grant recipient and determined as a substantial environmental degradation by Ecology, used only in allowing funding of facilities projects in non-GMA-compliant jurisdictions. See Chapter 173-95A WAC, *Uses and Limitations of Centennial Clean Water Funds*.

Total Eligible Project Cost: The sum of all costs associated with a water quality project that have been determined to be eligible for loan or grant funding.

Total Project Cost: The sum of all costs associated with a water quality project, including costs that are not eligible for loan or grant funding.

WAC: Washington Administrative Code

Wastewater Treatment Plant: See “Water Pollution Control Facilities”.

Water Pollution: Contamination or other alteration of the physical, chemical, or biological properties of any waters of the state, including change in temperature, taste, color, turbidity, or odor of the waters, or any discharge of a liquid, gas, solid, radioactive substance, or other substance into any waters of the state that creates a nuisance or renders such waters harmful, detrimental, or injurious to the public, to designated uses, or to livestock, wild animals, birds, fish, or other aquatic life.

Water Pollution Control Activities or “Activities”: Actions taken by a public body to prevent or mitigate pollution of underground water, to control nonpoint sources of water pollution, to restore the water quality of freshwater lakes, and to maintain or improve water quality through the use of water pollution control facilities or other means. Some examples of activities are comprehensive planning, research, stream bank restoration, water quality monitoring, technical assistance, and public information and education. An example of a facilities component of an activity project is a mechanical aerator that is part of a lake restoration project.

Water Pollution Control Facilities or “Facilities”: Any facilities or systems for the control, collection, storage, treatment, disposal, or recycling of wastewater, including, but not limited to,

sanitary sewage, stormwater, residential, commercial, industrial, and agricultural wastes, which are causing water quality degradation due to concentrations of conventional, non-conventional, or toxic pollutants. Water pollution control facilities include all equipment, utilities, structures, real property, and interests in and improvements on real property necessary for or incidental to such purpose. Water pollution control facilities also include such facilities, equipment, and collection systems as are necessary to protect federally designated sole source aquifers.

Wetlands: The transition zone between terrestrial and aquatic systems where the water table is usually at or near the surface or the land is covered by shallow water. Wetlands must have one or more of the following attributes: (1) at least periodically, the land predominantly supports hydrophilic plants; (2) the substrate is predominantly undrained hydric soil; and (3) the substrate is non-soil and is saturated with water or covered by shallow water at some time during the year.

Appendices

- Appendix A: Comparison of Eligibility of Costs in the Funding Programs
Appendix A, Part One - Eligibility of Project Types
Appendix A, Part Two - Eligibility of Project Components
- Appendix B: Local Priority-Setting Process
- Appendix C: Matrix of Required Signatures for Local Priority-Setting Process
- Appendix D: 303(d)-Listed Water Bodies in Washington State
- Appendix E: Map of Water Resource Inventory Areas (WRIAs) in Washington
- Appendix F: General Terms and Conditions Pertaining to Grant and Loan Agreements of the Department of Ecology
- Appendix G: Financial Hardship Analysis Form
- Appendix H: Median Household Income Table
- Appendix I: Financial Assistance for Best Management Practices (BMPs)
- Appendix J: Developing Public Communication and Education Project Proposal
- Appendix K: Opinion of Legal Counsel
- Appendix L: Pilot Regulation and Guidelines for Alternative Contracting/Service Agreement SRF Provisions
- Appendix M: Resources to Identify and Quantify Impaired Designated uses
- Appendix N: Washington's Water Quality Management Plan to Control Nonpoint Sources of Pollution – Appendix A
- Appendix O: Lake Public Access Requirements
- Appendix P: Water Quality Loan and Grant Contact List, July 2007
- Appendix Q: Map and Directions to Ecology Building

APPENDIX A: Comparison of Eligibility of Costs in the Funding Programs

Part One - Eligibility of Project Types (may also be components of a project)

Part Two - Eligibility of Project Components

Not all scenarios are covered. For clarification, contact Ecology staff about your proposed project. Staff contact information is found at the beginning of the guidelines and in Appendix P.

How to read this table:

Y.....Yes

N.....No

N*.....May be eligible for hardship (determined on a case-by-case basis)

Part One..... Examples of project types.

Part Two.....Examples of project components. Components may not be eligible for grant funding if overall project is not eligible.

Footnotes.....Found in table at the end of *Appendix A, Part Two - Eligibility of Project Components*.

Refer to Appendix I: Financial Assistance for Best Management Practices (BMPs) for specific BMP eligibility.

APPENDIX A, Part One - Eligibility of Project Types (may also be components of a project)

Item Description	Centennial Grant	Centennial Loan	SRF Loan	319 Grant
Acts of nature: Projects related to acts of nature that alter the natural environment, thereby causing water quality problems	N	N	N	N
Aquatic plant control for aesthetic reasons, navigational improvements, or other purposes unrelated to water quality	N	N	N	N
Aquatic plant control when it has been established that water quality degradation is due to the presence of aquatic plants, and sources of pollution have been addressed sufficiently to assure that pollution being remediated does not recur	Y	Y	Y	Y
Best management practices implementation on private property (see footnotes 1 and 2)	Y	Y	Y	Y
Best management practices implementation on public property	Y	Y	Y	Y
Combined sewer overflow abatement	N*	Y	Y	N

Comprehensive basin, watershed, and area-wide water quality planning	Y	Y	Y	Y
Comprehensive sewer planning including wastewater element of capital facilities planning under the Growth Management Act	N	Y	Y	N
Comprehensive stormwater planning examining facilities needs (such as conveyance and treatment)	N	Y	Y	N
Water supply and conveyance	N	N	N	N
Education and stewardship programs	Y	Y	Y	Y
Engineering reports	N	N	N	N
Facilities for the control, storage, treatment, disposal, or recycling of domestic wastewater	N *	Y	Y	N
Facilities to address primary treatment	N	N	N	N
Facilities to meet existing need	N *	Y	Y	N
Facilities with reserve capacities to accommodate flows associated with 20-year projected growth	N	N	Y	N
Facilities with reserve capacities to meet up to 110 percent of existing needs	N	Y	Y	N
Facility plans	N	Y	Y	N
Farm planning	Y	Y	Y	Y
Flood control	N	N	N	N
Ground water protection	Y	Y	Y	Y
Interim refinancing for construction of facilities, provided SRF requirements are met	N	N	Y	N
Lake restoration implementation (see footnote 3)	Y	Y	Y	Y
Lake restoration implementation where there is no public access	N	N	N	N
Lake water quality planning	Y	Y	Y	Y
Local loan fund	N	Y	Y	N
On-site system rehabilitation and replacement programs for residential and small commercial system through a local loan fund	N	Y	Y	N
On-site wastewater system education, information, and technical assistance programs	Y	Y	Y	Y
Community wastewater systems	N*	Y	Y	N
Plans and specifications (design)	N	Y	Y	N
Reclamation of abandoned mine land if undertaken to protect water quality	N	N	N	N
Riparian and wetlands habitat restoration and enhancement, including revegetation	Y	Y	Y	Y

Scientific research unrelated to a specific activity or facility	N	N	N	N
Sewer laterals, individual pump stations, or other appurtenances on private residential property, where the facilities are not owned and maintained by a public body	N	Y	N	N
Sewer laterals, individual pump stations, or other appurtenances on private residential property, where the facilities are owned and maintained by a public body	N *	Y	Y	N
Sewer systems, including collection to eliminate failing or failed on-site septic systems, where a public health emergency or severe public health hazard has been declared by the Washington State Department of Health or a similar advisory issued by a local health department or district	N *	Y	Y	N
Sewers and side sewer laterals on public property for infiltration and inflow correction projects (when documented to be the cost effective alternative for wastewater treatment in the facilities plan approved by Ecology)	N *	Y	Y	N
Solid and hazardous waste	N	N	N	N
Standard refinancing for construction of facilities initiated after March 7, 1985, provided SRF requirements are met	N	N	Y	N
State and federal agency facilities and other duties and responsibilities	N	N	N	N
Stormwater activities and facilities required by stormwater permits	N*	Y	Y	N
Stormwater projects not required by stormwater permits or not related to provision of stormwater facilities. For example: land use planning, public education and communication, source control, mapping, GIS	Y	Y	Y	Y
Stream restoration projects or other bioengineering for water quality purposes	Y	Y	Y	Y
Total Maximum Daily Load (Water Cleanup Plan) development and implementation	Y	Y	Y	Y
Transferring ownership of a small wastewater system to a public entity (costs associated with) (see footnote 4)	N *	Y	Y	N
Water quality monitoring	Y	Y	Y	Y
Water quality objectives previously funded with an Ecology grant	N	N	N	N
Water quality objectives previously funded with an Ecology loan	N	N	N	N
Wellhead protection	Y	Y	Y	Y

See footnotes after APPENDIX A, Part Two

APPENDIX A, Part Two - Eligibility of Project Components:

Item Description	Centennial Grant	Centennial Loan	SRF Loan	319 Grant
Abandonment of existing structures or demolition of structures that are not interfering with proposed construction	N	N	N	N
Bond costs for debt issuance	N	N	N	N
Bonus or acceleration payments to contractors to meet contractual completion dates for construction	N	N	N	N
Computer equipment specific to a funded project and identified in grant or loan agreement	Y	Y	Y	Y
Construction claims and associated costs determined to be non-meritorious	N	N	N	N
Construction claims, meritorious, in excess of the maximum allowable grant or loan amount	N	N	N	N
Cost-plus-a-percentage-of-cost contracts (also know as multiplier contracts), time and materials contracts, and percent-of-construction contracts	N	N	N	N
Culvert repair or replacement	N	N	N	N
Diagnostic studies to assess current water quality	Y	Y	Y	Y
Easement fees	N	N	N	N
Equipment and/or tools specific to a funded project as identified in a funding agreement	Y	Y	Y	Y
Equipment required for site and building maintenance	N	N	N	N
Fees for permits	N	N	N	N
Fines and penalties due to violations of or failures to comply with federal, state, or local laws	N	N	N	N
Grant or loan application preparation	N	N	N	N
Interest on bonds, interim financing, and associated costs to finance projects	N	N	N	N
Land acquisition as an integral part of the treatment process (e.g., land application) or for prevention of water pollution	N	Y	Y	N
Land acquisition for siting of wastewater treatment plants, sewer rights-of-way and easements, and associated costs	N	Y	N	N
Land acquisition for wetland habitat preservation	N	Y	Y	N
Landscaping for aesthetic reasons	N	N	N	N
Landscaping for erosion control directly related to a project	Y	Y	Y	Y
Legal expenses associated with development of local ordinances for water quality protection	Y	Y	Y	Y
Legal expenses associated with use of a bond counsel in developing a loan agreement	N	Y	Y	N
Light refreshments for advisory group meetings if specified in grant or loan agreement	Y	Y	Y	Y
Lobbying or expenses associated with lobbying	N	N	N	N

Model ordinances to prevent or reduce pollution from nonpoint sources, development/dissemination of	Y	Y	Y	Y
Monitoring equipment used by an industry for sampling and analyses of industrial discharges to municipal water pollution control facilities	N	N	N	N
Monitoring equipment used in a funded project for water quality assessment	Y	Y	Y	Y
Office furniture	N	N	N	N
Operating expenses of local government, such as the salaries and expenses of a mayor, city council member, city attorney, etc.	N	N	N	N
Overhead costs at a rate of up to 25 percent, or as defined in the most recent edition of Administrative Requirements for Ecology Grants and Loans, Publication No. 91-18	Y	Y	Y	Y
Overtime differential paid to employees of local government to complete administrative or force account work	N	N	N	N
Personal injury compensation or damages arising out of the project, whether determined by adjudication, arbitration, negotiation, or other means	N	N	N	N
Preparation of environmental checklists, assessments, and impact statements necessary to satisfy requirements for the State Environmental Policy Act (SEPA) and the National Environmental Policy Act (NEPA)	Y	Y	Y	N
Professional dues	N	N	N	N
Project administration and management	Y	Y	Y	Y
Public participation and public awareness directly related to the project	Y	Y	Y	Y
Replacement parts, for an initial set of spare parts for equipment that is critical for a facility to operate in compliance with discharge permit requirements	N *	Y	Y	N
Replacement parts, other than those for an initial set of spare parts for equipment that is critical for a facility to operate in compliance with discharge permit requirements	N	N	N	N
Rework costs associated with any project	N	N	N	N
Routine or ongoing operation and maintenance costs	N	N	N	N
Sales tax	Y	Y	Y	Y
Sewer to replace an existing wastewater treatment plant	N *	Y	Y	N
Site-specific landscaping in order to mitigate site conditions and comply with requirements in SEPA/NEPA directly related to a project	Y	Y	Y	Y
Statewide meetings or national conference registration fees where attendee is making a formal presentation about the project results and/or findings	Y	Y	Y	Y
Statewide meetings or national conference registration fees where attendee is not making a formal presentation about the project results and/or findings	N	N	N	N

Stormwater activities and facilities required by stormwater permits	N*	Y	Y	N
Stormwater activities tasks not related to provision of stormwater facilities and not required by stormwater permits	Y*	Y	Y	Y
Training recipient staff to develop skills not identified in the grant or loan agreement	N	N	N	N
Training recipient staff to develop skills specific and necessary to the funded project and where the training is identified in the loan or grant agreement	Y	Y	Y	Y
User charge system development	Y	Y	Y	N
Value Engineering	N	Y	Y	N
Vehicle purchase for the transportation of liquid or dewatered sludge or septage.	Y	Y	Y	N
Vehicles - specialized vehicles used and stored at the project site or recipient offices (e.g., carts for transporting samples, large tools, pumps) (see footnote 5)	Y	Y	Y	N
Vehicle purchase (general purpose), such as cars, pickup trucks, vans	N	N	N	N
Wastewater or stormwater utility rate studies	Y	Y	Y	N

Footnotes:

- 1: Agricultural best management practices on private property:** Centennial and Section 319 grants to local governments may be available for the following projects only:
 - Riparian revegetation or fence construction if a public easement is given by the landowner
 - New innovative/alternative technology if they have not yet been demonstrated in the Washington State Department of Ecology Region in which they are proposed
- 2: Agricultural best management practices on private property:** Concentrated animal feeding operations (CAFOs) are eligible for Centennial loans. If the project is proposed in areas covered by federally designated National Estuaries (Puget Sound and Lower Columbia River, currently), then the project may be eligible for an SRF loan. Ecology will provide CAFO guidance upon request.
- 3: Facilities elements within a lake implementation project will be eligible for loans only.**
- 4: Costs associated with transferring a small wastewater system to a public entity:** Costs associated with the establishment of a satellite support system for facilities management that would provide for the transfer, through ownership or contract, of the operation and maintenance responsibilities from the owner of a small wastewater system to a public entity capable of providing these services (such costs could include associated planning, costs of a feasibility study, preparation of an implementation plan, and facility construction and equipment acquisition necessary to permit system implementation).
- 5: Specialized vehicle eligibility decided by Ecology on a case-by-case basis:** Recipient must clearly demonstrate that specialized vehicles are essential to directly satisfy the project scope of work and to achieve the project water quality goals and outcomes. Ecology will determine, on a case-by-case basis, if purchasing specialized vehicles is the best use of limited loan and grant funds.

APPENDIX B: Local Priority Setting Process

Introduction: By following the local priority-setting process, funding applicants may receive up to 100 local priority points. These points are added to the project evaluation points assigned by Ecology. The local priority-setting process is elective, and applicants do not need to complete this process to be eligible for funding consideration.

Local priority points are awarded to recognize that local agencies and other groups may have water quality priorities that should be considered as statewide priorities are determined. The points also reward regions of the state where local governments, tribes, and special districts are working cooperatively to prioritize water quality funding needs.

Ecology does not require that any particular criteria be used in determining local priorities, but local groups should be familiar with Ecology's water quality criteria and any legislative mandates associated with funding consideration.

The local priorities, submitted as a "Statement of Agreed Priority," are due to Ecology Headquarters in Lacey at or before 5:00 p.m. on December 16, 2005.

More information on the local priority setting process can be obtained at the Water Quality Program annual funding cycle workshops.

Local Priority-Setting Group: One group must assume the lead role and oversee the local priority-setting process and one team of representatives must sign the priority list. Ecology will not accept local priorities from more than one source/group in a single WRIA.

The lead could include one of the following:

- Applicant
- County government
- Watershed group
- Regional governmental entity

If it is not logistically practical to have all agencies sign one statement, original signatures on multiple statements may be submitted to Ecology from the agency coordinating the process.

The representatives signing the priority list must be one of the following:

- An ad hoc group consisting of a representative of all the required signatories shown below; or
- A local watershed planning group organized under RCW 90.82.060, *the Watershed Planning Act*, only if it includes at least three of the required groups described below and communicates the priorities to each of the required groups.

The required signatories for the ad hoc group local priority-setting option are:

- The incorporated city, town, or municipal corporation with the largest population in the WRIA; and
- All counties with responsibility for at least 25 percent of the area in the WRIA; and

- The Washington State conservation district with the largest service area in the WRIA; and
- The special purpose district providing wastewater services with the largest population within the WRIA (districts that might meet this description include, but are not limited to, sewer districts, water and sewer districts, and public utility districts); and
- All federally recognized Washington State tribes having reservations or fishing rights within the WRIA.

Local Priority Area: The area used for the local priority-setting process must be one entire Water Resource Inventory Area (WRIA). See *Appendix E, Map of Water Resource Inventory Areas (WRIAs) in Washington*.

Ecology will publish a list of all applications we receive, sorted by WRIA. This will be placed on the Internet as soon as possible after the application deadline. The group coordinating the local effort can refer to this list to make certain that all projects in their WRIA are included in the priority-setting process. Even if there is only one local agency applicant in the WRIA, the process needs to be followed for that agency to receive points. Application project lists can also be obtained by contacting Ecology directly.

Statement of Agreed Priority: The “Statement of Agreed Priority” is a written document showing a numeric priority ranking for all eligible projects in a water resource inventory area. A sample is included in this appendix. The Statement of Agreed Priority must be signed by the representative of the lead agency of a local watershed planning group if a watershed planning group is used, or if an ad hoc group is used, it must be signed by the authorized representatives of each of the required organizations. Signatures indicate that the represented group agrees with or at least does not object to the specific priority ranking. See *Appendix C, Matrix of Required Signatures for Local Priority Process*.

If a required signatory refuses to participate, does not respond to the request to participate, or agrees to participate but does not, the ad hoc group may certify (via signature on the Statement of Agreed Priority letter) that a concerted effort was made to secure signatures from specific signatories at the other agency. Ecology will not award local priority points if the letter does not have all signatures required or if documented attempts to secure all signatures were not included.

Evaluation Points for Local Priorities: All proposed projects in a given WRIA must be assigned a numeric priority number, with the highest priority number being ranked number 1, the second highest priority being number 2, and so on.

Each project per WRIA will receive only one unique priority number. For example, once the priority number 1 is assigned to a project, that priority number cannot be used again - no ties.

Ecology will assign 100 points to the number one priority in the WRIA, 90 to the number two, and so on, to 10 points for the number 10 local priority. If a group gives priority to more than 10 projects, each project below number 10 will be assigned 5 points. Ecology will add these points to the averaged score of the agency evaluators, resulting in the final score for the project.

STATEMENT OF AGREED PRIORITY

(Sample Template)

Date

Financial Management Section
Water Quality Program
Department of Ecology
PO Box 47600
Olympia, Washington 98504-7600

**Re: Fiscal Year FY2007 _____ Loan and Grant Application - Statement of Agreed
Priority for WRIA # _____**

Dear _____:

We hereby submit the following list of projects in Water Resource Inventory Area (WRIA)
_____ for consideration of local priority points for Ecology’s FY2007 _____ water quality
loan and grant programs.

Our locally ranked project priority is as follows:

Locally- Assigned Priority	Application Number	Project Title	Applicant
# 1			
# 2			
# 3			
# 4			
# 5			
# 6			
# 7			
# 8			
# 9			
#10			
> #10			
> #10			

*Attach additional information if needed.

All the signatories below certify that we are legally authorized to sign for the entity we represent. We certify that we agree with, or that we do not object to, the numeric priority ranking for proposals given in this letter. Additionally, we certify that no other eligible water quality project

for the proposed project area has been or will be submitted to the Department of Ecology with the same priority ranking given in this letter.

Signed:

Title of Local Watershed Planning Group (*delete this line if not using a Local Watershed Planning Group*)

And/Or

County

Second County, if required

City

Conservation District

Special Purpose District

Tribe

Additional Tribes (add more lines if needed)

If signatories did not respond, I hereby certify that the following were contacted and did not object to the ranking above:

Name of Agency: Name of Contact(s): How they were contacted (*letter, e-mail, telephone, etc*):

- 1.
- 2.

If contact could not be established, please explain your efforts:

Signed:

Facilitating Agency

APPENDIX C: Matrix of Required Signatures for Local Priority-Setting Process

Although Ecology has attempted to verify the information below, it cannot guarantee accuracy. Please note any inconsistencies in your Statement of Agreed Priority.

Note on Special Districts:

- Special Purpose Districts in addition to those shown should be considered in determining the largest wastewater service provider in the project proposal Water Resource Inventory Area.
- Where more than one is shown, Ecology has had no response on size and you should clarify locally which is bigger.
- County-owned or municipal-owned systems are not considered Special Purpose Districts.
- District size is determined based upon Equivalent Residential Units (ERUs).

WRIA #/Name	City (Largest)	County(ies)	Conservation District (Largest Area)	Special Purpose District (See Note)	Indian Tribes w/ Reservations or Fishing Rights
1 - Nooksack	Bellingham	Whatcom	Whatcom	Birch Bay Water & Sewer District	Nooksack; Lummi
2 - San Juan	Friday Harbor	San Juan	San Juan Co	Eastsound Sewer & Water District	Lummi; Swinomish
3 - Lower Skagit/ Samish	Mount Vernon	Skagit	Skagit	None Identified	Swinomish; Upper Skagit; Sauk-Suiattle
4 - Upper Skagit	Darrington	Whatcom, Skagit	Whatcom	None Identified	Sauk-Suiattle; Swinomish; Upper Skagit
5 - Stillaguamish	Arlington	Snohomish, Skagit	Snohomish	None Identified	Stillaguamish; Tulalip
6 - Island	Oak Harbor	Island	Whidbey Island	Holmes Harbor Sewer District	Swinomish; Tulalip; Port Gamble; S'Klallam
7 - Snohomish	Everett	Snohomish, King	Snohomish	Snohomish PUD	Tulalip
8 - Cedar/Sammamish	Seattle	King	King	Sammamish Plateau Water & Sewer District	Muckleshoot; Suquamish
9 - Duwamish/ Green	Seattle	King	King	Soos Creek Water & Sewer District	Muckleshoot; Puyallup
10 - Puyallup/ White	Tacoma	Pierce	Pierce County	Crystal Mountain Sewer District	Puyallup; Muckleshoot
11 - Nisqually	Yelm	Pierce, Lewis	Pierce County	Elbe Water & Sewer District	Nisqually
12 - Chambers/Clover	Tacoma	Pierce	Pierce County	None Identified	Puyallup; Nisqually
13 - Deschutes	Olympia	Thurston	Thurston	Thurston Co PUD #1	Nisqually; Squaxin Island
14 - Kennedy/ Goldsborough	Shelton	Mason	Mason	None Identified	Squaxin Island; Skokomish
15 - Kitsap	Bremerton	Kitsap	Kitsap	Kitsap County Sewer Dist #5	Port Gamble S'Klallam; Suquamish; Skokomish; Squaxin Island; Puyallup; Muckleshoot
16 - Skokomish/ Dosewallips	None Identified	Mason, Jefferson	Mason	None Identified	Skokomish; Port Gamble S'Klallam

WRIA #/Name	City (Largest)	County(ies)	Conservation District (Largest Area)	Special Purpose District (See Note)	Indian Tribes w/ Reservations or Fishing Rights
17 - Quilcene/Snow	Port Townsend	Jefferson	Jefferson Co	Jefferson Co PUD	Port Gamble S'Klallam; Jamestown S'Klallam; Skokomish; Pt. No Pt. Treaty Council
18 - Elwha/Dungeness	Port Angeles	Clallam	Clallam	Sunland Water & Sewer District	Elwha S'Klallam; Jamestown S'Klallam; Lower Elwha Klallam
19 - Lyre/Hoko	None Identified	Clallam	Clallam	Clallam County PUD	Makah; Elwha, S'Klallam
20 - Solduc	Forks	Clallam, Jefferson	Clallam	Clallam County PUD	Hoh; Makah; Quileute
21 - Queets/Quinault	None Identified	Jefferson, Grays Harbor	Jefferson Co	Jefferson County PUD	Quinault
22 - Lower Chehalis	Aberdeen	Grays Harbor	Grays Harbor	None Identified	Quinault
23 - Upper Chehalis	Centralia	Lewis	Lewis County	Lewis Co Sewer Dist 1 Lewis Co Sewer Dist 2	Chehalis Confederated; Quinault
24 - Willapa	Raymond	Pacific	Pacific	None Identified	Shoalwater Bay
25 - Grays/Elochoman	Longview	Wahkiakum, Cowlitz	Wahkiakum	Skamokawa Water & Sewer District	None Identified
26 - Cowlitz	Kelso	Lewis, Cowlitz	Lewis	Beacon Hill Sewer District	Yakama Nation
27 - Lewis	Woodland	Skamania, Cowlitz, Clark	Underwood	Clark County PUD	Yakama Nation
28 - Salmon/Washougal	Vancouver	Clark, Skamania	Clark	Hazel Dell Sewer District, Clark County PUD	Yakama Nation
29 - Wind/White Salmon	White Salmon	Skamania, Klickitat	Underwood	Klickitat County PUD, Skamania County PUD	Yakama Nation
30 - Klickitat	Goldendale	Klickitat, Yakima	Central Klickitat	Klickitat County PUD	Yakama Nation
31 - Rock/Glade	Kennewick	Benton, Klickitat	Benton	Poplar Heights Sewer District, Klickitat Co PUD	Yakama Nation
32 - Walla Walla	Walla Walla	Walla Walla, Columbia	Walla Walla Co	None Identified	None Identified
33 - Lower Snake	None Identified	Franklin, Walla Walla	Franklin	None Identified	None Identified
34 - Palouse	Pullman	Whitman	Whitman	Steptoe Sewer & Water District #1	None Identified
35 - Middle Snake	Clarkston	Garfield, Asotin	Pomeroy	None Identified	None Identified
36 - Esquatzel Coulee	Pasco	Franklin, Adams	Franklin	None Identified	Yakama Nation
37 - Lower Yakima	Yakima	Yakima	South Yakima	Terrace Heights Sewer District	Yakama Nation
38 - Naches	Yakima	Yakima	North Yakima	Cowiche Sewer District	Yakama Nation
39 - Upper Yakima	Ellensburg	Kittitas	Kittitas County	Kittitas County Water & Sewer District #1	Yakama Nation
40 - Alkali/ Squilchuck	None Identified	Kittitas, Benton	Kittitas County	None Identified	Yakama Nation
41 - Lower Crab	Moses Lake	Grant, Adams	Moses Lake*	None Identified	Yakama Nation
42 - Grand Coulee	Soap Lake	Grant	Upper Grant	None Identified	None Identified

WRIA #/Name	City (Largest)	County(ies)	Conservation District (Largest Area)	Special Purpose District (See Note)	Indian Tribes w/ Reservations or Fishing Rights
43 - Upper Crab/ Wilson	Wilbur	Lincoln	Lincoln	None Identified	None Identified
44 - Moses Coulee	E. Wenatchee	Douglas	South Douglas	Douglas Co Sewer Dist #1	Yakama Nation
45 - Wenatchee	Wenatchee	Chelan	Chelan County	Stevens Pass Sewer & Water District, Chelan County PUD	Yakama Nation
46 - Entiat	Entiat	Chelan	Chelan County	Chelan County PUD	Yakama Nation
47 - Chelan	Chelan	Chelan	Chelan County	Lake Chelan Sewer District, Chelan Co PUD	Yakama Nation
48 - Methow	Twisp	Okanogan	Okanogan	None Identified	Yakama Nation; Colville Confederated
49 - Okanogan	Omak	Okanogan	Okanogan	None Identified	Colville Confederated
50 - Foster	Bridgeport	Douglas, Okanogan	Foster Creek	None Identified	Colville Confederated; Yakama Nation
51 - Nespelem	Nespelem	Okanogan	Okanogan	None Identified	Colville Confederated
52 - Sanpoil	Republic	Ferry, Okanogan	Ferry	None Identified	Colville Confederated
53 - Lake Roosevelt	Davenport	Lincoln	Lincoln	None Identified	Colville Confederated
54 - Lower Spokane	Spokane	Stevens, Spokane	Stevens County	PUD #1 of Stevens Co	Spokane
55 - Little Spokane	Spokane	Spokane, Pend Oreille	Spokane County	Whitworth Water Dist #2	None Identified
56 - Hangman	Spokane	Spokane	Spokane County	None Identified	None Identified
57 - Middle Spokane	Spokane	Spokane	Spokane County	Liberty Lake Sewer & Water District	None Identified
58 - Middle Lake Roosevelt	None Identified	Ferry, Stevens	Ferry	None Identified	Colville Confederated,; Spokane
59 - Colville	Colville	Stevens	Stevens County	PUD #1 of Stevens Co	None Identified
60 - Kettle		Ferry	Ferry	None Identified	Colville Confederated
61 - Upper Lake Roosevelt	Kettle Falls	Stevens	Stevens County	Town of Northport	None Identified
62 - Pend Oreille	Newport	Pend Oreille	Pend Oreille	Lenora Sewer District, Chippewa Water & Sewer District, Sacheen Lake Sewer & Water District	Kalispel

APPENDIX D: 303(d)-Listed Water Bodies in Washington State

Information on the 1998 303(d) List (official list of impaired water bodies in Washington) can be obtained in several ways. Here are some good ways to find out whether the water body in which the applicant's project is located is on the list, and for which parameters it is listed:

1. Look on the Internet at this address: <http://www.ecy.wa.gov/programs/wq/303d>

This page will give information on the list and allow the applicant to look up the water body and print the information about it.

2. Contact Ecology's Publications Office for a copy of the printed 303(d) List. The applicant will be charged by the page. The Publications Office may be reached at:

<http://www.ecy.wa.gov/pubs.shtm>

Department of Ecology
Publications Distribution
P.O. Box 47600
Olympia, WA 98504-7600
FAX: (360) 407-6989
Telephone: (360) 407-7472

3. For specific 303(d) List questions, contact the Water Quality Program at (360) 407- 6386.

APPENDIX E: Map of Water Resource Inventory Areas (WRIAs) in Washington



APPENDIX F: General Terms and Conditions Pertaining to Grant and Loan Agreements with the Department of Ecology

The following is an example of General Terms and Conditions that will be attached to all Water Quality grants and loans. Ecology reserves the right to change these conditions according to departmental need.

A. Recipient Performance

All activities for which grant/loan funds are to be used shall be accomplished by the RECIPIENT and RECIPIENT's employees. The RECIPIENT shall not assign or subcontract performance to others unless specifically authorized in writing by the DEPARTMENT.

B. Subgrantee/Contractor Compliance

The RECIPIENT must ensure that all subgrantees and contractors comply with the terms and conditions of this agreement.

C. Third Party Beneficiary

The RECIPIENT shall ensure that in all subcontracts entered into by the RECIPIENT pursuant to this agreement, the state of Washington is named as an express third-party beneficiary of such subcontracts with full rights as such.

D. Contracting For Services (Bidding)

Contracts for construction, purchase of equipment, and professional architectural and engineering services shall be awarded through a competitive process, if required by State law. RECIPIENT shall retain copies of all bids received and contracts awarded, for inspection and use by the DEPARTMENT.

E. Assignments

No right or claim of the RECIPIENT arising under this agreement shall be transferred or assigned by the RECIPIENT.

F. Compliance with All Laws

1. The RECIPIENT shall comply fully with all applicable Federal, State and local laws, orders, regulations and permits.

Prior to commencement of any construction, the RECIPIENT shall secure the necessary approvals and permits required by authorities having jurisdiction over the project, provide assurance to the DEPARTMENT that all approvals and permits have been secured, and make copies available to the DEPARTMENT upon request.

2. Discrimination. The DEPARTMENT and the RECIPIENT agree to be bound by all Federal and State laws, regulations, and policies against discrimination. The RECIPIENT further agrees to affirmatively support the program of the Office of Minority and Women Owned Business Enterprises to the maximum extent possible. The RECIPIENT shall report to the DEPARTMENT the percent of grant/loan funds available to women or minority owned businesses.

3. Wages and Job Safety. The RECIPIENT agrees to comply with all applicable laws, regulations, and policies of the United States and the State of Washington which affect wages and job safety.
4. Industrial Insurance. The RECIPIENT certifies full compliance with all applicable state industrial insurance requirements. If the RECIPIENT fails to comply with such laws, the DEPARTMENT shall have the right to immediately terminate this agreement for cause as provided in Section K.1, herein.

G. Kickbacks

The RECIPIENT is prohibited from inducing by any means any person employed or otherwise involved in this project to give up any part of the compensation to which he/she is otherwise entitled, or receive any fee, commission or gift in return for award of a subcontract hereunder.

H. Audits and Inspections

1. The RECIPIENT shall maintain complete program and financial records relating to this agreement. Such records shall clearly indicate total receipts and expenditures by fund source and task or object.

All grant/loan records shall be kept in a manner which provides an audit trail for all expenditures. All records shall be kept in a common file to facilitate audits and inspections.

Engineering documentation and field inspection reports of all construction work accomplished under this agreement shall be maintained by the RECIPIENT.

2. All grant/loan records shall be open for audit or inspection by the DEPARTMENT or by any duly authorized audit representative of the State of Washington for a period of at least three years after the final grant payment/loan repayment or any dispute resolution hereunder. If any such audits identify discrepancies in the financial records, the RECIPIENT shall provide clarification and/or make adjustments accordingly.
3. All work performed under this agreement and any equipment purchased, shall be made available to the DEPARTMENT and to any authorized state, federal or local representative for inspection at any time during the course of this agreement and for at least three years following grant/loan termination or dispute resolution hereunder.
4. RECIPIENT shall meet the provisions in OMB Circular A-133 (Audits of States, Local Governments & Non Profit Organizations), including the compliance Supplement to OMB Circular A-133, if the RECIPIENT expends \$300,000 or more in a year in Federal funds. The \$300,000 threshold for each year is a cumulative total of all federal funding from all sources. The RECIPIENT must forward a copy of the audit along with the RECIPIENT'S response and the final corrective action plan to the DEPARTMENT within ninety (90) days of the date of the audit report.

I. Performance Reporting

The RECIPIENT shall submit progress reports to the DEPARTMENT with each payment request or such other schedule as set forth in the Special Conditions. The RECIPIENT shall also report in writing to the DEPARTMENT any problems, delays or adverse conditions

which will materially affect their ability to meet project objectives or time schedules. This disclosure shall be accompanied by a statement of the action taken or proposed and any assistance needed from the DEPARTMENT to resolve the situation. Payments may be withheld if required progress reports are not submitted.

Quarterly reports shall cover the periods January 1 through March 31, April 1 through June 30, July 1 through September 30, and October 1 through December 31. Reports shall be due within twenty (20) days following the end of the quarter being reported.

J. Compensation

1. Method of Compensation. Payment shall normally be made on a reimbursable basis as specified in the grant agreement and no more often than once per month. Each request for payment will be submitted by the RECIPIENT on State voucher request forms provided by the DEPARTMENT along with documentation of the expenses. Payments shall be made for each task/phase of the project, or portion thereof, as set out in the Scope of Work when completed by the RECIPIENT and certified as satisfactory by the Project Officer.

The payment request form and supportive documents must itemize all allowable costs by major elements as described in the Scope of Work. Instructions for submitting the payment requests are found in "Administrative Requirements for Ecology Grants and Loans," part IV, published by the DEPARTMENT. A copy of this document shall be furnished to the RECIPIENT. When payment requests are approved by the DEPARTMENT, payments will be made to the mutually agreed upon designee.

Payment requests shall be submitted to the DEPARTMENT and directed to the Project Officer assigned to administer this agreement.

2. Budget Deviation. Deviations in budget amounts are not allowed without written amendment(s) to this agreement. Payment requests will be disallowed when the RECIPIENT's request for reimbursement exceeds the State maximum share amount for that element, as described in the Scope of Work.
3. Period of Compensation. Payments shall only be made for action of the RECIPIENT pursuant to the grant/loan agreement and performed after the effective date and prior to the expiration date of this agreement, unless those dates are specifically modified in writing as provided herein.
4. Final Request(s) for Payment. The RECIPIENT must submit final requests for compensation within forty-five (45) days after the expiration date of this agreement and within fifteen (15) days after the end of a fiscal biennium. Failure to comply may result in delayed reimbursement.
5. Performance Guarantee. The DEPARTMENT may withhold an amount not to exceed ten percent (10%) of each reimbursement payment as security for the RECIPIENT's performance and a financial bond. Monies withheld by the DEPARTMENT may be paid to the RECIPIENT when the project(s) described herein, or a portion thereof, have been completed if, in the DEPARTMENT's sole discretion, such payment is reasonable and approved according to this agreement and, as appropriate, upon completion of an audit as specified under section J.6. herein.

6. Unauthorized Expenditures. All payments to the RECIPIENT shall be subject to final audit by the DEPARTMENT and any unauthorized expenditure(s) charged to this grant/loan shall be refunded to the DEPARTMENT by the RECIPIENT.
7. Mileage and Per Diem. If mileage and per diem are paid to the employees of the RECIPIENT or other public entities, it shall not exceed the amount allowed under state law for state employees.
8. Overhead Costs. No reimbursement for overhead costs shall be allowed unless provided for in the Scope of Work hereunder.

K. Termination

1. For Cause. The obligation of the DEPARTMENT to the RECIPIENT is contingent upon satisfactory performance by the RECIPIENT of all of its obligations under this agreement. In the event the RECIPIENT unjustifiably fails, in the opinion of the DEPARTMENT, to perform any obligation required of it by this agreement, the DEPARTMENT may refuse to pay any further funds thereunder and/or terminate this agreement by giving written notice of termination.

A written notice of termination shall be given at least five working days prior to the effective date of termination. In that event, all finished or unfinished documents, data studies, surveys, drawings, maps, models, photographs, and reports or other materials prepared by the RECIPIENT under this agreement, at the option of the DEPARTMENT, shall become Department property and the RECIPIENT shall be entitled to receive just and equitable compensation for any satisfactory work completed on such documents and other materials.

Despite the above, the RECIPIENT shall not be relieved of any liability to the DEPARTMENT for damages sustained by the DEPARTMENT and/or the State of Washington because of any breach of agreement by the RECIPIENT. The DEPARTMENT may withhold payments for the purpose of setoff until such time as the exact amount of damages due the DEPARTMENT from the RECIPIENT is determined.

2. Insufficient Funds. The obligation of the DEPARTMENT to make payments is contingent on the availability of state and federal funds through legislative appropriation and state allotment. When this agreement crosses over state fiscal years the obligation of the DEPARTMENT is contingent upon the appropriation of funds during the next fiscal year. The failure to appropriate or allot such funds shall be good cause to terminate this agreement as provided in paragraph K.1 above.

When this agreement crosses the RECIPIENT's fiscal year, the obligation of the RECIPIENT to continue or complete the project described herein shall be contingent upon appropriation of funds by the RECIPIENT's governing body; provided, however, that nothing contained herein shall preclude the DEPARTMENT from demanding repayment of ALL funds paid to the RECIPIENT in accordance with Section O herein.

3. Failure to Commence Work. In the event that the RECIPIENT fails to commence work on the project funded herein within four months after the effective date of this agreement, or by any date mutually agreed upon in writing for commencement of work, the DEPARTMENT reserves the right to terminate this agreement.

L. Waiver

Waiver of any RECIPIENT default is not a waiver of any subsequent default. Waiver of a breach of any provision of this agreement is not a waiver of any subsequent breach and will not be construed as a modification of the terms of this agreement unless stated as such in writing by the authorized representative of the DEPARTMENT.

M. Property Rights

1. Copyrights and Patents. When the RECIPIENT creates any copyrightable materials or invents any patentable property, the RECIPIENT may copyright or patent the same, but the DEPARTMENT retains a royalty-free, nonexclusive and irrevocable license to reproduce, publish, recover or otherwise use the material(s) or property and to authorize others to use the same for federal, state or local government purposes.

Where federal funding is involved, the federal government may have a proprietary interest in patent rights to any inventions that are developed by the RECIPIENT as provided in 35 U.S.C. 200-212.

2. Publications. When the RECIPIENT or persons employed by the RECIPIENT use or publish information of the DEPARTMENT; present papers, lectures, or seminars involving information supplied by the DEPARTMENT; use logos, reports, maps or other data, in printed reports, signs, brochures, pamphlets, etc., appropriate credit shall be given to the DEPARTMENT.
3. Tangible Property Rights. The DEPARTMENT'S current edition of "Administrative Requirements for Ecology Grants and Loans," Part V, shall control the use and disposition of all real and personal property purchased wholly or in part with funds furnished by the DEPARTMENT in the absence of state, federal statute(s), regulation(s), or policy(ies) to the contrary or upon specific instructions with respect thereto in the Scope of Work.
4. Personal Property Furnished by the DEPARTMENT. When the DEPARTMENT provides personal property directly to the RECIPIENT for use in performance of the project, it shall be returned to the DEPARTMENT prior to final payment by the DEPARTMENT. If said property is lost, stolen or damaged while in the RECIPIENT'S possession, the DEPARTMENT shall be reimbursed in cash or by setoff by the RECIPIENT for the fair market value of such property.
5. Acquisition Projects. The following provisions shall apply if the project covered by this agreement includes funds for the acquisition of land or facilities:
 - a. Prior to disbursement of funds provided for in this agreement, the RECIPIENT shall establish that the cost of land/or facilities is fair and reasonable.
 - b. The RECIPIENT shall provide satisfactory evidence of title or ability to acquire title for each parcel prior to disbursement of funds provided by this agreement. Such evidence may include title insurance policies; Torrens certificates or abstracts; and attorney's opinions establishing that the land is free from any impediment, lien, or claim which would impair the uses contemplated by this agreement.
6. Conversions. Regardless of the contract termination date shown on the cover sheet, the RECIPIENT shall not at any time convert any equipment, property or facility acquired or developed pursuant to this agreement to uses other than those for which assistance was

originally approved without prior written approval of the DEPARTMENT. Such approval may be conditioned upon payment to the DEPARTMENT of that portion of the proceeds of the sale, lease or other conversion or encumbrance which monies granted pursuant to this agreement bear to the total acquisition, purchase or construction costs of such property.

N. Recycled/Recyclable Paper

All documents and materials published under this agreement shall be produced on recycled paper containing the highest level of post consumer and recycled content that is available. At a minimum, paper with 10 percent post consumer content and 50 percent recycled content shall be used. Whenever possible, all materials shall be published on paper that is unbleached or has not been treated with chlorine gas and/or hypochlorite.

As appropriate, all materials shall be published on both sides of the paper and shall minimize the use of glossy or colored paper and other items which reduce the recyclability of the document.

O. Recovery of Payments to Recipient

The right of the RECIPIENT to retain monies paid to it as reimbursement payments is contingent upon satisfactory performance of this agreement, including the satisfactory completion of the project described in the Scope of Work. In the event the RECIPIENT fails, for any reason, to perform obligations required of it by this agreement, the RECIPIENT may, at the DEPARTMENT'S sole discretion, be required to repay to the DEPARTMENT all grant/loan funds disbursed to the RECIPIENT for those parts of the project that are rendered worthless in the opinion of the DEPARTMENT by such failure to perform.

Interest shall accrue at the rate of twelve percent (12%) per annum from the time the DEPARTMENT demands repayment of funds. If payments have been discontinued by the DEPARTMENT due to insufficient funds as in Section K.2 above, the RECIPIENT shall not be obligated to repay monies which had been paid to the RECIPIENT prior to such termination. Any property acquired under this agreement, at the option of the DEPARTMENT, may become the DEPARTMENT'S property and the RECIPIENT'S liability to repay monies shall be reduced by an amount reflecting the fair value of such property.

P. Project Approval

The extent and character of all work and services to be performed under this agreement by the RECIPIENT shall be subject to the review and approval of the DEPARTMENT through the Project Officer or other designated official to whom the RECIPIENT shall report and be responsible. In the event there is a dispute with regard to the extent and character of the work to be done, the determination of the Project Officer or other designated official as to the extent and character of the work to be done shall govern. The RECIPIENT shall have the right to appeal decisions as provided for below.

Q. Disputes

Except as otherwise provided in this agreement, any dispute concerning a question of fact arising under this agreement which is not disposed of in writing shall be decided by the Project Officer or other designated official who shall provide a written statement of decision to the RECIPIENT. The decision of the Project Officer or other designated official shall be final and conclusive unless, within thirty days from the date of receipt of such statement, the

RECIPIENT mails or otherwise furnishes to the Director of the DEPARTMENT a written appeal.

In connection with appeal of any proceeding under this clause, the RECIPIENT shall have the opportunity to be heard and to offer evidence in support of this appeal. The decision of the Director or duly authorized representative for the determination of such appeals shall be final and conclusive. Appeals from the Director's determination shall be brought in the Superior Court of Thurston County. Review of the decision of the Director will not be sought before either the Pollution Control Hearings Board or the Shoreline Hearings Board. Pending final decision of dispute hereunder, the RECIPIENT shall proceed diligently with the performance of this agreement and in accordance with the decision rendered.

R. Conflict of Interest

No officer, member, agent, or employee of either party to this agreement who exercises any function or responsibility in the review, approval, or carrying out of this agreement, shall participate in any decision which affects his/her personal interest or the interest of any corporation, partnership or association in which he/she is directly or indirectly interested; nor shall he/she have any personal or pecuniary interest, direct or indirect, in this agreement or the proceeds thereof.

S. Indemnification

1. The DEPARTMENT shall in no way be held responsible for payment of salaries, consultant's fees, and other costs related to the project described herein, except as provided in the Scope of Work.
2. To the extent that the Constitution and laws of the State of Washington permit, each party shall indemnify and hold the other harmless from and against any liability for any or all injuries to persons or property arising from the negligent act or omission of that party or that party's agents or employees arising out of this agreement.

T. Governing Law

This agreement shall be governed by the laws of the State of Washington.

U. Severability

If any provision of this agreement or any provision of any document incorporated by reference shall be held invalid, such invalidity shall not affect the other provisions of this agreement which can be given effect without the invalid provision, and to this end the provisions of this agreement are declared to be severable.

V. Precedence

In the event of inconsistency in this agreement, unless otherwise provided herein, the inconsistency shall be resolved by giving precedence in the following order: (a) applicable Federal and State statutes and regulations; (b) Scope of Work; (c) Special Terms and Conditions; (d) Any terms incorporated herein by reference including the "Administrative Requirements for Ecology Grants and Loans," and (e) the General Terms and Conditions.

SS-010 Rev. 05/02

APPENDIX G: Financial Hardship Analysis Form

Applicant _____
ECY 040-32, Revised July, 2005

Financial Hardship Analysis Form Centennial Clean Water Fund (Centennial) State Revolving Fund (SRF) FY 2007

Purpose: Ecology staff will use the information provided on this form to determine if your water pollution control facilities project will cause a financial hardship on residential sewer users. Financial hardship assistance may be available to recipients when a water pollution control facilities construction project will result in a residential user charge in excess of 1.5 percent of the median household income. If Ecology determines that financial hardship exists, reduced interest rates as low as zero percent, and/or extended terms to 20 years, and partial grant funding may be made available to reduce residential user charges. Please direct any questions or comments to the staff of the Financial Management Section of Ecology's Water Quality Program.

I. ROLES AND RESPONSIBILITIES

This section is intended to summarize the key management agencies, the roles they will be assigned, and the agreements that will be needed to provide for continued cooperation in the management of the facility.

A. Will any other agencies or jurisdictions, beside the applicant, be responsible for the facility in terms of:

1. Ownership _____
2. Operation _____
3. Financing _____

B. If so, please describe:

1. The type and amount of the contribution(s):

2. The nature of the cooperative agreement(s):

II. COST ESTIMATE AT TODAY’S PRICES

This section is intended to provide a realistic picture of all of the costs that will be incurred, including management, overhead, outside services, and equipment related to the project.

A. Construction Cost Estimates for Facilities

• Treatment Plant	\$ _____
• Pump Stations	\$ _____
• Interceptor Sewers	\$ _____
• Combined Sewer Overflow Reduction Measures	\$ _____
• Collection Sewers	\$ _____
• Land Acquisition	\$ _____
• Other (Specify)	\$ _____
 Total Construction Costs	 \$ _____

B. Estimated Annual Operation, Maintenance, and Equipment Replacement Costs for the Proposed

• Labor	\$ _____
• Utilities	\$ _____
• Materials and Supplies	\$ _____
• Outside Services	\$ _____
• Miscellaneous Expenses	\$ _____
• Equipment Replacement (e.g., Pumps, Vehicles)	\$ _____
• Other (Specify)	\$ _____
 Total Annual Operation, Maintenance and Equipment Replacement Costs Facilities (Do not include depreciation on equipment or buildings)	 \$ _____

III. FINANCING

A. Breakdown of Funding Committed or Anticipated Funding for the Project and/or the SRF/Centennial Loan Request to Support Facilities Planning, Design, and Construction Costs for the Project

System Components	Estimated Cost	Local Contributions	Ecology Loan Share	Ecology Grant Share	Other Grants (Specify)	Other Loans (Specify)
• Facilities Planning	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
• Facilities Design	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
• Treatment Plant	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
• Pump Stations	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
• Interceptors	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
• Collectors	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
• Land Acquisition	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
• Other (Specify)	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
 Totals	 \$ _____	 \$ _____	 \$ _____	 \$ _____	 \$ _____	 \$ _____

B. Methods of Financing the Amount to be Borrowed from the SRF or Centennial Programs and the Amount Borrowed from Other Lenders, if Any (from III A)

Financing Method	Amount to be Borrowed or Borrowed	Interest Rate	Term of Maturity	Annual Debt Service Payment
SRF Loan	\$ _____	_____	_____	\$ _____
CCWF Loan	\$ _____	_____	_____	\$ _____
General Obligation Bond	\$ _____	_____	_____	\$ _____
Revenue Bond	\$ _____	_____	_____	\$ _____
Other Loan(s) (specify)	\$ _____	_____	_____	\$ _____
	\$ _____	_____	_____	\$ _____
	\$ _____	_____	_____	\$ _____
Totals	\$ _____	_____	_____	\$ _____

C. Estimated Annual Water Pollution Control Facilities Costs

Existing annual operation, maintenance and equipment replacement costs
Do not include depreciation on equipment or buildings)

• Labor	(+) \$ _____
• Utilities	(+) \$ _____
• Materials and Supplies	(+) \$ _____
• Outside Services	(+) \$ _____
• Miscellaneous Expenses	(+) \$ _____
• Equipment Replacement (e.g., Pumps, Vehicles)	(+) \$ _____
• Other (Specify)	(+) \$ _____
1. Discontinued portion of above costs as a result of proposed projected	(-) \$ _____
2. Estimated annual operation and maintenance and equipment replacement costs for proposed facilities (from II-B)	(+) \$ _____
3. Annual debt service on existing wastewater facilities, not associated with this project	(+) \$ _____
4. Annual debt service on existing and proposed wastewater facilities, if any (from III B)	(+) \$ _____
Total Estimated Annual Water Pollution Control Facilities Costs	= \$ _____

IV. DEMOGRAPHIC INFORMATION

A. Population Estimates

1. Population in 2000: _____
2. Current Population: _____
3. Estimated Population in 2006: _____
4. Planning Year: _____
5. Planning Year Population: _____

Source of Estimates: _____

6. Sewer Users:	a. Number of Existing	b. Number of Proposed
Residential Customers:	_____	_____
Commercial Customers:	_____	_____

B. Median Household Income (MHI)

- (1) 2000: _____
- (2) Current MHI: _____

(See Appendix H, Median Household Income Table for information on 2006 estimated median household income)

MHIs have been updated from 2000 census levels available for many communities in the state. If public bodies believe calculated levels do not adequately reflect existing circumstances, Ecology may accept adequate surveys or other documentation to accurately determine the MHI.

V. **TOTAL ANNUAL COST PER HOUSEHOLD**

This section is intended to measure the financial burden imposed on each household by the addition of the proposed project.

- A. Total Estimated Annual Water Pollution Control Facilities Costs (from III C) \$ _____
- B. Non-Residential Share of Total Annual Charges (-) \$ _____
- C. Remaining Residential Share of Total Annual Facilities Charges (=) \$ _____
- D. Number of Households _____
- Total Annual Costs Per Household \$ _____

Signature of Person Responsible for Completing This Form.

(Date)

Signature of Authorized Representative.

(Date)

Signature of Authorized Representative.

(Date)

APPENDIX H: Median Household Income Table

Estimated Median Household Incomes and Financial Hardship Levels For Communities in Washington State, Updated for Use With the Fiscal Year 2007 Funding Cycle

NOTES:

- CDP is “Census Designated Place”
- Figures from 2000 Census are updated using the CPI-U percentage for inflation.

Community	2000 Census	Est. 2006	1.5% of MHI	1.5% of MHI/12
Aberdeen City	\$30,683	\$35,534	\$533	\$44.42
Aberdeen Gardens CDP	\$38,403	\$44,474	\$667	\$55.59
Acme CDP	\$41,964	\$48,598	\$729	\$60.75
Ahtanum CDP	\$48,352	\$55,996	\$840	\$69.99
Airway Heights City	\$29,829	\$34,545	\$518	\$43.18
Albion Town	\$40,179	\$46,531	\$698	\$58.16
Alderwood Manor CDP	\$61,199	\$70,874	\$1,063	\$88.59
Alger CDP	\$13,542	\$15,683	\$235	\$19.60
Algona City	\$50,833	\$58,869	\$883	\$73.59
Allyn-Grapeview CDP	\$46,224	\$53,531	\$803	\$66.91
Almira Town	\$30,208	\$34,984	\$525	\$43.73
Amboy CDP	\$50,896	\$58,942	\$884	\$73.68
Ames Lake CDP	\$93,224	\$107,962	\$1,619	\$134.95
Anacortes City	\$41,930	\$48,559	\$728	\$60.70
Arlington City	\$46,302	\$53,622	\$804	\$67.03
Arlington Heights CDP	\$60,518	\$70,085	\$1,051	\$87.61
Artondale CDP	\$63,500	\$73,539	\$1,103	\$91.92
Ashford CDP	\$27,917	\$32,330	\$485	\$40.41
Asotin City	\$35,083	\$40,629	\$609	\$50.79
Auburn City	\$39,208	\$45,406	\$681	\$56.76
Ault Field CDP	\$24,406	\$28,264	\$424	\$35.33
Bainbridge Island City	\$70,110	\$81,194	\$1,218	\$101.49
Bangor Trident Base CDP	\$32,246	\$37,344	\$560	\$46.68
Banks Lake South CDP	\$37,500	\$43,428	\$651	\$54.29
Barberton CDP	\$64,779	\$75,020	\$1,125	\$93.77
Baring CDP	\$40,875	\$47,337	\$710	\$59.17
Basin City CDP	\$29,444	\$34,099	\$511	\$42.62
Battle Ground City	\$45,070	\$52,195	\$783	\$65.24
Bay Center CDP	\$38,409	\$44,481	\$667	\$55.60
Bay View CDP	\$27,250	\$31,558	\$473	\$39.45
Beaux Arts Village Town	\$96,916	\$112,237	\$1,684	\$140.30
Bellevue City	\$62,338	\$72,193	\$1,083	\$90.24
Bell Hill CDP	\$66,442	\$76,946	\$1,154	\$96.18
Bellingham City	\$32,530	\$37,673	\$565	\$47.09
Benton City	\$33,636	\$38,953	\$584	\$48.69
Bickleton CDP	\$34,500	\$39,954	\$599	\$49.94

Community	2000 Census	Est. 2006	1.5% of MHI	1.5% of MHI/12
Big Lake CDP	\$57,500	\$66,590	\$999	\$83.24
Bingen City	\$24,375	\$28,228	\$423	\$35.29
Birch Bay CDP	\$40,040	\$46,370	\$696	\$57.96
Black Diamond City	\$67,092	\$77,698	\$1,165	\$97.12
Blaine City	\$36,900	\$42,733	\$641	\$53.42
Blyn CDP	\$38,750	\$44,876	\$673	\$56.09
Bonney Lake City	\$60,282	\$69,812	\$1,047	\$87.26
Bothell City	\$59,264	\$68,633	\$1,029	\$85.79
Brady CDP	\$67,386	\$78,039	\$1,171	\$97.55
Bremerton City	\$30,950	\$35,843	\$538	\$44.80
Brewster City	\$21,556	\$24,964	\$374	\$31.20
Bridgeport City	\$25,531	\$29,567	\$444	\$36.96
Brier City	\$73,558	\$85,187	\$1,278	\$106.48
Brinnon CDP	\$27,885	\$32,293	\$484	\$40.37
Brush Prairie CDP	\$59,408	\$68,800	\$1,032	\$86.00
Bryn Mawr-Skyway CDP	\$47,385	\$54,876	\$823	\$68.60
Buckley City	\$49,453	\$57,271	\$859	\$71.59
Bucoda Town	\$34,286	\$39,706	\$596	\$49.63
Burbank CDP	\$50,522	\$58,509	\$878	\$73.14
Burien City	\$41,577	\$48,150	\$722	\$60.19
Burlington City	\$37,848	\$43,831	\$657	\$54.79
Camano CDP	\$54,262	\$62,840	\$943	\$78.55
Camas City	\$60,187	\$69,702	\$1,046	\$87.13
Carbonado Town	\$50,250	\$58,194	\$873	\$72.74
Carlsborg CDP	\$28,103	\$32,546	\$488	\$40.68
Carnation City	\$60,156	\$69,666	\$1,045	\$87.08
Carson River Valley CDP	\$33,598	\$38,909	\$584	\$48.64
Cascade-Fairwood CDP	\$57,996	\$67,164	\$1,007	\$83.96
Cascade Valley CDP	\$37,344	\$43,248	\$649	\$54.06
Cashmere City	\$34,854	\$40,364	\$605	\$50.46
Castle Rock City	\$37,212	\$43,095	\$646	\$53.87
Cathlamet CDP	\$58,875	\$68,182	\$1,023	\$85.23
Cathcart CDP	\$65,357	\$75,689	\$1,135	\$94.61
Cathlamet Town	\$33,409	\$38,691	\$580	\$48.36
Centerville CDP	\$31,250	\$36,190	\$543	\$45.24
Centralia City	\$30,078	\$34,833	\$522	\$43.54
Central Park CDP	\$45,719	\$52,947	\$794	\$66.18
Chehalis City	\$33,482	\$38,775	\$582	\$48.47
Chehalis Village CDP	\$30,357	\$35,156	\$527	\$43.95
Chelan City	\$28,047	\$32,481	\$487	\$40.60
Cheney City	\$22,593	\$26,165	\$392	\$32.71
Cherry Grove CDP	\$58,750	\$68,038	\$1,021	\$85.05
Chewelah City	\$25,238	\$29,228	\$438	\$36.53
Chinook CDP	\$30,417	\$35,226	\$528	\$44.03
Clarkston City	\$25,907	\$30,003	\$450	\$37.50
Clarkston Heights-Vineland CDP	\$48,306	\$55,943	\$839	\$69.93

Community	2000 Census	Est. 2006	1.5% of MHI	1.5% of MHI/12
Clear Lake CDP	\$37,143	\$43,015	\$645	\$53.77
Cle Elum City	\$28,144	\$32,593	\$489	\$40.74
Clinton CDP	\$43,625	\$50,522	\$758	\$63.15
Clyde Hill City	\$132,468	\$153,410	\$2,301	\$191.76
Cohasset Beach CDP	\$26,490	\$30,678	\$460	\$38.35
Colfax City	\$36,622	\$42,412	\$636	\$53.01
College Place City	\$30,330	\$35,125	\$527	\$43.91
Colton Town	\$47,500	\$55,009	\$825	\$68.76
Colville City	\$27,988	\$32,413	\$486	\$40.52
Conconully Town	\$23,214	\$26,884	\$403	\$33.60
Concrete Town	\$29,375	\$34,019	\$510	\$42.52
Connell City	\$33,992	\$39,366	\$590	\$49.21
Conway CDP	\$33,750	\$39,085	\$586	\$48.86
Copalis Beach CDP	\$33,194	\$38,442	\$577	\$48.05
Cosmopolis City	\$41,106	\$47,604	\$714	\$59.51
Cottage Lake CDP	\$92,388	\$106,993	\$1,605	\$133.74
Coulee City Town	\$25,938	\$30,038	\$451	\$37.55
Coulee Dam Town	\$37,391	\$43,302	\$650	\$54.13
Country Homes CDP	\$36,630	\$42,421	\$636	\$53.03
Coupeville Town	\$33,938	\$39,303	\$590	\$49.13
Covington City	\$63,711	\$73,783	\$1,107	\$92.23
Creston Town	\$25,417	\$29,435	\$442	\$36.79
Cusick Town	\$14,583	\$16,888	\$253	\$21.11
Custer CDP	\$22,500	\$26,057	\$391	\$32.57
Dallesport CDP	\$36,250	\$41,981	\$630	\$52.48
Darrington Town	\$32,813	\$38,000	\$570	\$47.50
Davenport City	\$37,900	\$43,892	\$658	\$54.86
Dayton City	\$31,409	\$36,374	\$546	\$45.47
Deer Park City	\$32,470	\$37,603	\$564	\$47.00
Deming CDP	\$52,292	\$60,559	\$908	\$75.70
Desert Aire CDP	\$35,719	\$41,366	\$620	\$51.71
Des Moines City	\$48,971	\$56,713	\$851	\$70.89
Dishman CDP	\$32,512	\$37,652	\$565	\$47.06
Dixie CDP	\$33,125	\$38,362	\$575	\$47.95
Dollar Corner CDP	\$56,875	\$65,866	\$988	\$82.33
DuPont City	\$52,969	\$61,343	\$920	\$76.68
Duvall City	\$71,300	\$82,572	\$1,239	\$103.21
East Cathlamet CDP	\$40,000	\$46,324	\$695	\$57.90
Eastgate CDP	\$65,598	\$75,968	\$1,140	\$94.96
East Hill-Meridian CDP	\$65,721	\$76,111	\$1,142	\$95.14
Easton CDP	\$37,708	\$43,669	\$655	\$54.59
East Port Orchard CDP	\$42,571	\$49,301	\$740	\$61.63
East Renton Highlands CDP	\$65,268	\$75,586	\$1,134	\$94.48
East Wenatchee City	\$34,919	\$40,439	\$607	\$50.55
East Wenatchee Bench CDP	\$45,496	\$52,688	\$790	\$65.86
Eatonville Town	\$43,681	\$50,586	\$759	\$63.23

Community	2000 Census	Est. 2006	1.5% of MHI	1.5% of MHI/12
Echo Lake CDP	\$62,250	\$72,091	\$1,081	\$90.11
Edgewood City	\$56,658	\$65,615	\$984	\$82.02
Edison CDP	\$46,607	\$53,975	\$810	\$67.47
Edmonds City	\$53,522	\$61,983	\$930	\$77.48
Elbe CDP	\$13,750	\$15,924	\$239	\$19.90
Electric City Town	\$42,321	\$49,011	\$735	\$61.26
Elk Plain CDP	\$54,400	\$63,000	\$945	\$78.75
Ellensburg City	\$20,034	\$23,201	\$348	\$29.00
Elma City	\$32,031	\$37,095	\$556	\$46.37
Elmer City Town	\$32,500	\$37,638	\$565	\$47.05
Endicott Town	\$28,594	\$33,114	\$497	\$41.39
Entiat City	\$33,450	\$38,738	\$581	\$48.42
Enumclaw City	\$43,820	\$50,747	\$761	\$63.43
Ephrata City	\$35,060	\$40,603	\$609	\$50.75
Erlands Point-Kitsap Lake CDP	\$45,947	\$53,211	\$798	\$66.51
Eschbach CDP	\$37,708	\$43,669	\$655	\$54.59
Esperance CDP	\$58,622	\$67,889	\$1,018	\$84.86
Everett City	\$40,100	\$46,439	\$697	\$58.05
Everson City	\$35,313	\$40,896	\$613	\$51.12
Fairchild AFB CDP	\$33,512	\$38,810	\$582	\$48.51
Fairfield Town	\$29,545	\$34,216	\$513	\$42.77
Fairwood CDP	\$59,682	\$69,117	\$1,037	\$86.40
Fall City CDP	\$61,848	\$71,625	\$1,074	\$89.53
Farmington Town	\$27,250	\$31,558	\$473	\$39.45
Federal Way City	\$49,278	\$57,068	\$856	\$71.34
Felida CDP	\$78,934	\$91,413	\$1,371	\$114.27
Ferndale City	\$36,375	\$42,125	\$632	\$52.66
Fife City	\$31,806	\$36,834	\$553	\$46.04
Finley CDP	\$42,820	\$49,589	\$744	\$61.99
Fircrest City	\$54,912	\$63,593	\$954	\$79.49
Five Corners CDP	\$51,688	\$59,859	\$898	\$74.82
Fords Prairie CDP	\$42,927	\$49,713	\$746	\$62.14
Forks City	\$34,280	\$39,699	\$595	\$49.62
Fort Lewis CDP	\$32,384	\$37,504	\$563	\$46.88
Fox Island CDP	\$69,135	\$80,064	\$1,201	\$100.08
Frederickson CDP	\$56,862	\$65,851	\$988	\$82.31
Freeland CDP	\$38,409	\$44,481	\$667	\$55.60
Friday Harbor Town	\$35,139	\$40,694	\$610	\$50.87
Garfield Town	\$36,250	\$41,981	\$630	\$52.48
Garrett CDP	\$38,750	\$44,876	\$673	\$56.09
Geneva CDP	\$65,324	\$75,651	\$1,135	\$94.56
George City	\$21,181	\$24,529	\$368	\$30.66
Gig Harbor City	\$43,456	\$50,326	\$755	\$62.91
Glacier CDP	\$10,875	\$12,594	\$189	\$15.74
Gleed CDP	\$44,161	\$51,142	\$767	\$63.93
Gold Bar City	\$45,714	\$52,941	\$794	\$66.18

Community	2000 Census	Est. 2006	1.5% of MHI	1.5% of MHI/12
Goldendale City	\$26,030	\$30,145	\$452	\$37.68
Graham CDP	\$52,824	\$61,175	\$918	\$76.47
Grand Coulee City	\$21,818	\$25,267	\$379	\$31.58
Grand Mound CDP	\$42,153	\$48,817	\$732	\$61.02
Grandview City	\$32,588	\$37,740	\$566	\$47.17
Granger Town	\$26,250	\$30,400	\$456	\$38.00
Granite Falls City	\$47,643	\$55,175	\$828	\$68.97
Grayland CDP	\$25,776	\$29,851	\$448	\$37.31
Green Acres CDP	\$36,290	\$42,027	\$630	\$52.53
Greenwater CDP	\$39,545	\$45,797	\$687	\$57.25
Hamilton Town	\$31,500	\$36,480	\$547	\$45.60
Harrah Town	\$36,875	\$42,704	\$641	\$53.38
Harrington City	\$29,792	\$34,502	\$518	\$43.13
Hartline Town	\$27,917	\$32,330	\$485	\$40.41
Hatton Town	\$29,375	\$34,019	\$510	\$42.52
Hazel Dell North CDP	\$43,063	\$49,871	\$748	\$62.34
Hazel Dell South CDP	\$36,571	\$42,352	\$635	\$52.94
Highland CDP	\$61,136	\$70,801	\$1,062	\$88.50
Hobart CDP	\$75,334	\$87,243	\$1,309	\$109.05
Hockinson CDP	\$69,757	\$80,785	\$1,212	\$100.98
Hoquiam City	\$29,658	\$34,347	\$515	\$42.93
Humptulips CDP	\$26,000	\$30,110	\$452	\$37.64
Hunts Point Town	\$179,898	\$208,338	\$3,125	\$260.42
Ilwaco City	\$29,632	\$34,316	\$515	\$42.90
Inchelium CDP	\$24,375	\$28,228	\$423	\$35.29
Index Town	\$43,125	\$49,943	\$749	\$62.43
Indianola CDP	\$52,852	\$61,207	\$918	\$76.51
Inglewood-Finn Hill CDP	\$72,130	\$83,533	\$1,253	\$104.42
Ione Town	\$24,083	\$27,890	\$418	\$34.86
Issaquah City	\$57,892	\$67,044	\$1,006	\$83.81
John Sam Lake CDP	\$52,656	\$60,980	\$915	\$76.23
Jordan Road-Canyon Creek CDP	\$51,370	\$59,491	\$892	\$74.36
Junction City CDP	\$32,292	\$37,397	\$561	\$46.75
Kahlotus City	\$38,750	\$44,876	\$673	\$56.09
Kalama City	\$38,152	\$44,183	\$663	\$55.23
Kelso City	\$29,722	\$34,421	\$516	\$43.03
Kendall CDP	\$24,821	\$28,745	\$431	\$35.93
Kenmore City	\$61,756	\$71,519	\$1,073	\$89.40
Kennewick City	\$41,213	\$47,728	\$716	\$59.66
Kent City	\$46,046	\$53,325	\$800	\$66.66
Kettle Falls City	\$27,031	\$31,304	\$470	\$39.13
Kingsgate CDP	\$65,046	\$75,329	\$1,130	\$94.16
Kingston CDP	\$40,347	\$46,725	\$701	\$58.41
Kirkland City	\$60,332	\$69,870	\$1,048	\$87.34
Kittitas City	\$26,985	\$31,251	\$469	\$39.06
Klickitat CDP	\$28,750	\$33,295	\$499	\$41.62

Community	2000 Census	Est. 2006	1.5% of MHI	1.5% of MHI/12
Krupp Town	\$37,679	\$43,636	\$655	\$54.54
La Center City	\$55,333	\$64,080	\$961	\$80.10
Lacey City	\$43,848	\$50,780	\$762	\$63.47
La Conner Town	\$42,344	\$49,038	\$736	\$61.30
La Crosse Town	\$30,893	\$35,777	\$537	\$44.72
Lake Bosworth CDP	\$57,917	\$67,073	\$1,006	\$83.84
Lake Cavanaugh CDP	\$66,250	\$76,723	\$1,151	\$95.90
Lake Forest Park City	\$74,149	\$85,871	\$1,288	\$107.34
Lake Goodwin CDP	\$65,044	\$75,327	\$1,130	\$94.16
Lake Ketchum CDP	\$60,029	\$69,519	\$1,043	\$86.90
Lakeland North CDP	\$62,292	\$72,140	\$1,082	\$90.17
Lakeland South CDP	\$62,529	\$72,414	\$1,086	\$90.52
Lake McMurray CDP	\$65,536	\$75,896	\$1,138	\$94.87
Lake Marcel-Stillwater CDP	\$61,250	\$70,933	\$1,064	\$88.67
Lake Morton-Berrydale CDP	\$75,337	\$87,247	\$1,309	\$109.06
Lake Roesiger CDP	\$70,500	\$81,645	\$1,225	\$102.06
Lake Shore CDP	\$62,476	\$72,353	\$1,085	\$90.44
Lake Stevens City	\$65,231	\$75,543	\$1,133	\$94.43
Lakeview CDP	\$30,588	\$35,424	\$531	\$44.28
Lakewood City	\$36,422	\$42,180	\$633	\$52.72
Lamont Town	\$32,778	\$37,960	\$569	\$47.45
Langley City	\$34,792	\$40,292	\$604	\$50.37
Latah Town	\$40,417	\$46,806	\$702	\$58.51
Lea Hill CDP	\$65,706	\$76,093	\$1,141	\$95.12
Leavenworth City	\$35,692	\$41,334	\$620	\$51.67
Lebam CDP	\$33,125	\$38,362	\$575	\$47.95
Lewisville CDP	\$65,221	\$75,532	\$1,133	\$94.41
Liberty Lake CDP	\$60,854	\$70,474	\$1,057	\$88.09
Lind Town	\$40,147	\$46,494	\$697	\$58.12
Lochsloy CDP	\$52,375	\$60,655	\$910	\$75.82
Long Beach City	\$23,611	\$27,344	\$410	\$34.18
Longview City	\$35,171	\$40,731	\$611	\$50.91
Longview Heights CDP	\$48,802	\$56,517	\$848	\$70.65
Lyle CDP	\$33,438	\$38,724	\$581	\$48.41
Lyman Town	\$34,318	\$39,743	\$596	\$49.68
Lynden City	\$42,767	\$49,528	\$743	\$61.91
Lynnwood City	\$42,814	\$49,582	\$744	\$61.98
Mabton City	\$26,650	\$30,863	\$463	\$38.58
McChord AFB CDP	\$35,319	\$40,903	\$614	\$51.13
McCleary City	\$30,769	\$35,633	\$534	\$44.54
Machias CDP	\$75,000	\$86,857	\$1,303	\$108.57
Malden Town	\$26,250	\$30,400	\$456	\$38.00
Malone-Porter CDP	\$37,875	\$43,863	\$658	\$54.83
Maltby CDP	\$77,534	\$89,791	\$1,347	\$112.24
Manchester CDP	\$52,213	\$60,467	\$907	\$75.58
Mansfield Town	\$28,750	\$33,295	\$499	\$41.62

Community	2000 Census	Est. 2006	1.5% of MHI	1.5% of MHI/12
Maple Falls CDP	\$41,250	\$47,771	\$717	\$59.71
Maple Heights-Lake Desire CDP	\$75,741	\$87,715	\$1,316	\$109.64
Maple Valley City	\$67,159	\$77,776	\$1,167	\$97.22
Marblemount CDP	\$25,156	\$29,133	\$437	\$36.42
Marcus Town	\$27,500	\$31,847	\$478	\$39.81
Marietta-Alderwood CDP	\$39,902	\$46,210	\$693	\$57.76
Markham CDP	\$63,750	\$73,828	\$1,107	\$92.29
Marrowstone CDP	\$38,182	\$44,218	\$663	\$55.27
Martha Lake CDP	\$57,568	\$66,669	\$1,000	\$83.34
Maryhill CDP	\$37,250	\$43,139	\$647	\$53.92
Marysville City	\$47,088	\$54,532	\$818	\$68.17
Mattawa Town	\$31,964	\$37,017	\$555	\$46.27
May Creek CDP	\$46,310	\$53,631	\$804	\$67.04
Meadow Glade CDP	\$67,230	\$77,858	\$1,168	\$97.32
Medical Lake City	\$42,159	\$48,824	\$732	\$61.03
Medina City	\$133,756	\$154,901	\$2,324	\$193.63
Mercer Island City	\$91,904	\$106,433	\$1,596	\$133.04
Mesa City	\$38,750	\$44,876	\$673	\$56.09
Metaline Town	\$22,981	\$26,614	\$399	\$33.27
Metaline Falls Town	\$17,083	\$19,784	\$297	\$24.73
Midland CDP	\$34,817	\$40,321	\$605	\$50.40
Mill Creek City	\$69,702	\$80,721	\$1,211	\$100.90
Mill Plain CDP	\$58,432	\$67,669	\$1,015	\$84.59
Millwood Town	\$34,565	\$40,029	\$600	\$50.04
Milton City	\$48,166	\$55,780	\$837	\$69.73
Minnehaha CDP	\$46,766	\$54,159	\$812	\$67.70
Mirrormont CDP	\$87,945	\$101,848	\$1,528	\$127.31
Moclips CDP	\$27,500	\$31,847	\$478	\$39.81
Monroe City	\$50,390	\$58,356	\$875	\$72.95
Montesano City	\$40,204	\$46,560	\$698	\$58.20
Morton City	\$31,063	\$35,974	\$540	\$44.97
Moses Lake City	\$36,467	\$42,232	\$633	\$52.79
Moses Lake North CDP	\$26,645	\$30,857	\$463	\$38.57
Mossyrock City	\$29,750	\$34,453	\$517	\$43.07
Mountlake Terrace City	\$47,238	\$54,706	\$821	\$68.38
Mount Vernon City	\$37,999	\$44,006	\$660	\$55.01
Mount Vista CDP	\$66,406	\$76,904	\$1,154	\$96.13
Moxee City	\$32,500	\$37,638	\$565	\$47.05
Mukilteo City	\$67,323	\$77,966	\$1,169	\$97.46
Naches Town	\$42,083	\$48,736	\$731	\$60.92
Napavine City	\$40,966	\$47,442	\$712	\$59.30
Naselle CDP	\$35,769	\$41,424	\$621	\$51.78
Navy Yard City CDP	\$36,285	\$42,021	\$630	\$52.53
Neah Bay CDP	\$21,635	\$25,055	\$376	\$31.32
Neilton CDP	\$35,250	\$40,823	\$612	\$51.03
Nespelem Town	\$30,000	\$34,743	\$521	\$43.43

Community	2000 Census	Est. 2006	1.5% of MHI	1.5% of MHI/12
Nespelem Community CDP	\$39,688	\$45,962	\$689	\$57.45
Newcastle City	\$80,320	\$93,018	\$1,395	\$116.27
Newport City	\$25,709	\$29,773	\$447	\$37.22
Nisqually Indian Community CDP	\$35,000	\$40,533	\$608	\$50.67
Nooksack City	\$44,000	\$50,956	\$764	\$63.69
Normandy Park City	\$70,367	\$81,491	\$1,222	\$101.86
North Bend City	\$61,534	\$71,262	\$1,069	\$89.08
North Bonneville City	\$35,583	\$41,208	\$618	\$51.51
North Creek CDP	\$67,289	\$77,927	\$1,169	\$97.41
North Marysville CDP	\$56,699	\$65,662	\$985	\$82.08
North Omak CDP	\$25,500	\$29,531	\$443	\$36.91
Northport Town	\$21,719	\$25,153	\$377	\$31.44
North Stanwood CDP	\$58,194	\$67,394	\$1,011	\$84.24
North Sultan CDP	\$65,179	\$75,483	\$1,132	\$94.35
Northwest Snohomish CDP	\$67,167	\$77,785	\$1,167	\$97.23
North Yelm CDP	\$36,833	\$42,656	\$640	\$53.32
Oakesdale Town	\$31,094	\$36,010	\$540	\$45.01
Oak Harbor City	\$36,641	\$42,434	\$637	\$53.04
Oakville City	\$30,357	\$35,156	\$527	\$43.95
Ocean City CDP	\$17,813	\$20,629	\$309	\$25.79
Ocean Park CDP	\$22,932	\$26,557	\$398	\$33.20
Ocean Shores City	\$34,643	\$40,120	\$602	\$50.15
Odessa Town	\$34,038	\$39,419	\$591	\$49.27
Okanogan City	\$26,994	\$31,261	\$469	\$39.08
Olympia City	\$40,846	\$47,303	\$710	\$59.13
Omak City	\$24,089	\$27,897	\$418	\$34.87
Opportunity CDP	\$38,658	\$44,769	\$672	\$55.96
Orchards CDP	\$49,216	\$56,996	\$855	\$71.25
Oroville City	\$22,301	\$25,827	\$387	\$32.28
Orting City	\$53,464	\$61,916	\$929	\$77.40
Oso CDP	\$75,315	\$87,221	\$1,308	\$109.03
Othello City	\$30,291	\$35,080	\$526	\$43.85
Otis Orchards-East Farms CDP	\$46,946	\$54,368	\$816	\$67.96
Oyehut-Hogans Corner CDP	\$23,355	\$27,047	\$406	\$33.81
Pacific City	\$45,673	\$52,893	\$793	\$66.12
Paine Field-Lake Stickney CDP	\$40,831	\$47,286	\$709	\$59.11
Palouse City	\$34,583	\$40,050	\$601	\$50.06
Parkland CDP	\$39,653	\$45,922	\$689	\$57.40
Parkwood CDP	\$41,869	\$48,488	\$727	\$60.61
Pasco City	\$34,540	\$40,000	\$600	\$50.00
Pateros City	\$30,938	\$35,829	\$537	\$44.79
Peaceful Valley CDP	\$32,357	\$37,472	\$562	\$46.84
Pe Ell Town	\$27,321	\$31,640	\$475	\$39.55
Picnic Point-North Lynnwood CDP	\$54,913	\$63,594	\$954	\$79.49
Pomeroy City	\$28,958	\$33,536	\$503	\$41.92
Port Angeles City	\$33,130	\$38,367	\$576	\$47.96

Community	2000 Census	Est. 2006	1.5% of MHI	1.5% of MHI/12
Port Angeles East CDP	\$34,730	\$40,220	\$603	\$50.28
Port Hadlock-Irondale CDP	\$32,202	\$37,293	\$559	\$46.62
Port Ludlow CDP	\$56,938	\$65,939	\$989	\$82.42
Port Orchard City	\$34,020	\$39,398	\$591	\$49.25
Port Townsend City	\$34,536	\$39,996	\$600	\$49.99
Poulsbo City	\$38,875	\$45,021	\$675	\$56.28
Prairie Ridge CDP	\$52,367	\$60,646	\$910	\$75.81
Prescott Town	\$39,500	\$45,744	\$686	\$57.18
Priest Point CDP	\$52,344	\$60,619	\$909	\$75.77
Prosser City	\$39,185	\$45,380	\$681	\$56.72
Pullman City	\$20,652	\$23,917	\$359	\$29.90
Puyallup City	\$47,269	\$54,742	\$821	\$68.43
Quilcene CDP	\$40,385	\$46,769	\$702	\$58.46
Quincy City	\$32,181	\$37,268	\$559	\$46.59
Rainier Town	\$42,955	\$49,746	\$746	\$62.18
Ravensdale CDP	\$44,850	\$51,940	\$779	\$64.93
Raymond City	\$25,759	\$29,831	\$447	\$37.29
Reardan Town	\$38,750	\$44,876	\$673	\$56.09
Redmond City	\$66,735	\$77,285	\$1,159	\$96.61
Renton City	\$45,820	\$53,064	\$796	\$66.33
Republic City	\$25,284	\$29,281	\$439	\$36.60
Richland City	\$53,092	\$61,485	\$922	\$76.86
Ridgefield City	\$46,012	\$53,286	\$799	\$66.61
Ritzville City	\$32,560	\$37,707	\$566	\$47.13
Riverbend CDP	\$69,716	\$80,737	\$1,211	\$100.92
River Road CDP	\$35,893	\$41,567	\$624	\$51.96
Riverside Town	\$23,125	\$26,781	\$402	\$33.48
Riverton-Boulevard Park CDP	\$39,034	\$45,205	\$678	\$56.51
Rochester CDP	\$43,090	\$49,902	\$749	\$62.38
Rockford Town	\$40,227	\$46,586	\$699	\$58.23
Rock Island City	\$33,618	\$38,933	\$584	\$48.67
Rockport CDP	\$48,750	\$56,457	\$847	\$70.57
Ronald CDP	\$39,063	\$45,238	\$679	\$56.55
Roosevelt CDP	\$45,694	\$52,918	\$794	\$66.15
Rosalia Town	\$33,214	\$38,465	\$577	\$48.08
Roslyn City	\$35,313	\$40,896	\$613	\$51.12
Roy City	\$32,727	\$37,901	\$569	\$47.38
Royal City	\$28,529	\$33,039	\$496	\$41.30
Ruston Town	\$48,393	\$56,043	\$841	\$70.05
St. John Town	\$33,393	\$38,672	\$580	\$48.34
Salmon Creek CDP	\$53,917	\$62,441	\$937	\$78.05
Sammamish City	\$101,592	\$117,652	\$1,765	\$147.07
Satsop CDP	\$37,125	\$42,994	\$645	\$53.74
Satus CDP	\$32,143	\$37,224	\$558	\$46.53
SeaTac City	\$41,202	\$47,716	\$716	\$59.64
Seattle City	\$45,736	\$52,966	\$794	\$66.21

Community	2000 Census	Est. 2006	1.5% of MHI	1.5% of MHI/12
Seattle Hill-Silver Firs CDP	\$72,554	\$84,024	\$1,260	\$105.03
Sedro-Woolley City	\$37,914	\$43,908	\$659	\$54.88
Selah City	\$42,386	\$49,087	\$736	\$61.36
Sequim City	\$27,880	\$32,287	\$484	\$40.36
Shaker Church CDP	\$54,750	\$63,405	\$951	\$79.26
Shelton City	\$32,500	\$37,638	\$565	\$47.05
Shoreline City	\$51,658	\$59,825	\$897	\$74.78
Silvana CDP	\$33,274	\$38,534	\$578	\$48.17
Silverdale CDP	\$48,164	\$55,778	\$837	\$69.72
Skokomish CDP	\$24,038	\$27,838	\$418	\$34.80
Skykomish Town	\$45,357	\$52,527	\$788	\$65.66
Smokey Point CDP	\$46,202	\$53,506	\$803	\$66.88
Snohomish City	\$46,396	\$53,731	\$806	\$67.16
Snoqualmie City	\$52,697	\$61,028	\$915	\$76.28
Snoqualmie Pass CDP	\$81,883	\$94,828	\$1,422	\$118.53
Soap Lake City	\$20,459	\$23,693	\$355	\$29.62
South Bend City	\$29,211	\$33,829	\$507	\$42.29
South Cle Elum Town	\$45,833	\$53,079	\$796	\$66.35
South Hill CDP	\$60,524	\$70,092	\$1,051	\$87.62
South Prairie Town	\$50,250	\$58,194	\$873	\$72.74
South Wenatchee CDP	\$29,741	\$34,443	\$517	\$43.05
Spanaway CDP	\$46,210	\$53,515	\$803	\$66.89
Spangle Town	\$38,393	\$44,462	\$667	\$55.58
Spokane City	\$32,273	\$37,375	\$561	\$46.72
Sprague City	\$29,079	\$33,676	\$505	\$42.10
Springdale Town	\$28,333	\$32,812	\$492	\$41.02
Stanwood City	\$44,512	\$51,549	\$773	\$64.44
Starbuck Town	\$18,125	\$20,990	\$315	\$26.24
Startup CDP	\$40,227	\$46,586	\$699	\$58.23
Steilacoom Town	\$46,113	\$53,403	\$801	\$66.75
Stevenson City	\$31,979	\$37,035	\$556	\$46.29
Stimson Crossing CDP	\$61,042	\$70,692	\$1,060	\$88.37
Sudden Valley CDP	\$51,843	\$60,039	\$901	\$75.05
Sultan City	\$46,619	\$53,989	\$810	\$67.49
Sumas City	\$29,297	\$33,929	\$509	\$42.41
Summit CDP	\$52,685	\$61,014	\$915	\$76.27
Summitview CDP	\$66,944	\$77,527	\$1,163	\$96.91
Sumner City	\$38,598	\$44,700	\$670	\$55.87
Sunnyside City	\$27,583	\$31,944	\$479	\$39.93
Sunnyslope CDP	\$68,224	\$79,009	\$1,185	\$98.76
Suquamish CDP	\$46,667	\$54,044	\$811	\$67.56
Tacoma City	\$37,879	\$43,867	\$658	\$54.83
Taholah CDP	\$24,688	\$28,591	\$429	\$35.74
Tanglewilde-Thompson Place CDP	\$45,000	\$52,114	\$782	\$65.14
Tanner CDP	\$73,105	\$84,662	\$1,270	\$105.83
Tekoa City	\$30,833	\$35,707	\$536	\$44.63

Community	2000 Census	Est. 2006	1.5% of MHI	1.5% of MHI/12
Tenino City	\$34,526	\$39,984	\$600	\$49.98
Terrace Heights CDP	\$47,601	\$55,126	\$827	\$68.91
Thorp CDP	\$33,125	\$38,362	\$575	\$47.95
Three Lakes CDP	\$71,080	\$82,317	\$1,235	\$102.90
Tieton Town	\$30,052	\$34,803	\$522	\$43.50
Tokeland CDP	\$24,531	\$28,409	\$426	\$35.51
Toledo City	\$29,271	\$33,898	\$508	\$42.37
Tonasket City	\$23,523	\$27,242	\$409	\$34.05
Toppenish City	\$26,950	\$31,210	\$468	\$39.01
Touchet CDP	\$37,500	\$43,428	\$651	\$54.29
Town and Country CDP	\$40,668	\$47,097	\$706	\$58.87
Tracyton CDP	\$51,290	\$59,398	\$891	\$74.25
Trentwood CDP	\$41,128	\$47,630	\$714	\$59.54
Trout Lake CDP	\$35,104	\$40,654	\$610	\$50.82
Tukwila City	\$40,718	\$47,155	\$707	\$58.94
Tulalip Bay CDP	\$43,594	\$50,486	\$757	\$63.11
Tumwater City	\$43,329	\$50,179	\$753	\$62.72
Twisp Town	\$26,354	\$30,520	\$458	\$38.15
Union Gap City	\$30,676	\$35,526	\$533	\$44.41
Union Hill-Novelty Hill CDP	\$98,061	\$113,563	\$1,703	\$141.95
UnionTown	\$36,042	\$41,740	\$626	\$52.17
University Place City	\$50,287	\$58,237	\$874	\$72.80
Vader City	\$30,750	\$35,611	\$534	\$44.51
Vancouver City	\$41,618	\$48,197	\$723	\$60.25
Vantage CDP	\$26,250	\$30,400	\$456	\$38.00
Vashon CDP	\$58,261	\$67,471	\$1,012	\$84.34
Venersborg CDP	\$65,912	\$76,332	\$1,145	\$95.41
Veradale CDP	\$46,676	\$54,055	\$811	\$67.57
Verlot CDP	\$29,519	\$34,186	\$513	\$42.73
Waitsburg City	\$33,527	\$38,827	\$582	\$48.53
Walla Walla City	\$31,855	\$36,891	\$553	\$46.11
Walla Walla East CDP	\$49,844	\$57,724	\$866	\$72.15
Waller CDP	\$47,350	\$54,835	\$823	\$68.54
Wallula CDP	\$26,071	\$30,193	\$453	\$37.74
Walnut Grove CDP	\$52,788	\$61,133	\$917	\$76.42
Wapato City	\$25,804	\$29,883	\$448	\$37.35
Warden City	\$31,071	\$35,983	\$540	\$44.98
Warm Beach CDP	\$51,420	\$59,549	\$893	\$74.44
Washougal City	\$38,719	\$44,840	\$673	\$56.05
Washtucna Town	\$34,688	\$40,172	\$603	\$50.21
Waterville Town	\$36,458	\$42,222	\$633	\$52.78
Waverly Town	\$38,125	\$44,152	\$662	\$55.19
Weallup Lake CDP	\$35,143	\$40,699	\$610	\$50.87
Wenatchee City	\$34,897	\$40,414	\$606	\$50.52
West Clarkston-Highland CDP	\$29,311	\$33,945	\$509	\$42.43
West Lake Sammamish CDP	\$86,415	\$100,076	\$1,501	\$125.10

Community	2000 Census	Est. 2006	1.5% of MHI	1.5% of MHI/12
West Lake Stevens CDP	\$57,331	\$66,394	\$996	\$82.99
West Longview CDP	\$34,421	\$39,863	\$598	\$49.83
West Pasco CDP	\$65,865	\$76,277	\$1,144	\$95.35
Westport City	\$32,037	\$37,102	\$557	\$46.38
West Richland City	\$57,750	\$66,880	\$1,003	\$83.60
West Side Highway CDP	\$46,604	\$53,972	\$810	\$67.46
West Valley CDP	\$51,201	\$59,295	\$889	\$74.12
West Wenatchee CDP	\$44,028	\$50,988	\$765	\$63.74
White Center CDP	\$40,480	\$46,879	\$703	\$58.60
White Salmon City	\$34,787	\$40,286	\$604	\$50.36
White Swan CDP	\$35,189	\$40,752	\$611	\$50.94
Wilbur Town	\$32,563	\$37,711	\$566	\$47.14
Wilkeson Town	\$44,375	\$51,390	\$771	\$64.24
Wilson Creek Town	\$23,750	\$27,505	\$413	\$34.38
Winlock City	\$30,000	\$34,743	\$521	\$43.43
Winthrop Town	\$25,417	\$29,435	\$442	\$36.79
Wishram CDP	\$26,667	\$30,883	\$463	\$38.60
Woodinville City	\$68,114	\$78,882	\$1,183	\$98.60
Woodland City	\$40,742	\$47,183	\$708	\$58.98
Woods Creek CDP	\$66,139	\$76,595	\$1,149	\$95.74
Woodway City	\$101,633	\$117,700	\$1,765	\$147.12
Yacolt Town	\$39,444	\$45,680	\$685	\$57.10
Yakima City	\$29,475	\$34,135	\$512	\$42.67
Yarrow Point Town	\$117,940	\$136,585	\$2,049	\$170.73
Yelm City	\$39,453	\$45,690	\$685	\$57.11
Zillah City	\$38,214	\$44,255	\$664	\$55.32

APPENDIX I: Financial Assistance for Best Management Practices (BMPs)

Introduction

Best management practices (BMPs) that address or correct water quality degradation through facility or activity focused projects may be funded using Ecology's Water Quality Program financial assistance. The implementation of BMPs refers to the use of established approaches or practices to address these water quality problems.

BMPs are defined as, "*Structural or non-structural method(s), recommended through a planning process, that have a demonstrated success for addressing or preventing water quality degradation.*"

Projects such as agricultural BMPs on property owned by Washington State and Federal Governments are largely ineligible, regardless of the eligibility of the applicant. However, in recognition of the complexity of watersheds and the benefits of cooperative efforts, Ecology can provide financial assistance to an eligible public body to participate with other state and federal agencies in comprehensive watershed planning and large scale monitoring programs that extend substantially beyond federal and state lands.

The three funding programs that Ecology's Water Quality Program administers originate from federal or state funds, which are used to address water quality problems on publicly owned lands or lands with public access.

Eligible BMPs:

- Are recommended through a multi-agency watershed management planning process or are required in order to meet a National Pollution Discharge Elimination System (NPDES) permit,
- Provide public benefits through improved water quality,
- Are based on water quality improvements and not on production needs, or
- Target the most critical areas and structural and non-structural practices that, if properly managed, will provide the greatest protection or improvement in water quality.

Ecology limits its financial assistance to public bodies. However, the public body that receives a grant or a loan can provide financial assistance to a private landowner.

BMPs on private property are limited to:

- Implementation of best management practices in the riparian zone on private property consisting of revegetation or fence construction and where a landowner agreement is signed by the landowner.
- Implementation of best management practices on private property, where the practice consists of a demonstration of new, innovative, or alternative technology not yet demonstrated in the Washington State Department of Ecology region in which they are proposed, and where a public easement is given by the landowner

Agricultural BMPs must comply with the corresponding Natural Resource Conservation Service (NRCS) Field Office Technical Guide (FOTG). If a FOTG(s) is not available to address a problem

then the BMP must be designed by a licensed engineer. See Section IV at the following Web address:

<http://efotg.nrcs.usda.gov/treemenuFS.aspx?Fips=53077&MenuName=menuWA.zip>

Stormwater BMPs in Western Washington will also need to comply with the Western Washington Stormwater Management Manual (*Stormwater Management Manual for Western Washington, Washington State Department of Ecology, August 2001*, Ecology Publication Numbers 99-11; 99-12; 99-13; 99-14; 99-15). Eastern Washington projects need to comply with the *Stormwater Management Manual for Eastern Washington*.

FY 2007 BMP Eligibility Matrix

How to read this table:

Y.....Yes

N.....No

N*.....May be eligible for hardship (determined on a case-by-case basis)

Part One.....BMP Eligibility Matrix

Notes.....Found at the end of BMP table

Definitions....Found at <http://www.ecy.wa.gov/programs/wq/links/funding.html>

Applicable

FOTGsField Office Technical Guide (FOTGs) found in Section IV at:

<http://efotg.nrcs.usda.gov/treemenuFS.aspx?Fips=53077&MenuName=menuWA.zip>

Refer to *Appendix A, Comparison of Eligibility of Cost in the Funding Programs*, for additional eligible project types and project components.

PROJECT	Eligibility for Type of Assistance - Yes (Y)/ No (N)			
	CCWF Grant	CCWF Loan	SRF Loan	319 Grant
Most BMPs on federal and state owned property	N	N	N	N
BMPs that affect upland areas or that are production oriented.	N	N	N	N
<i>Erosion and sediment control, bank stabilization, riparian, lake shore & wetland restoration</i>				
Installation of rip rap, boulders, and retaining walls ^a	N	N	N	N
Installation of log structures	Y	Y	Y	Y
Installation of root wads	Y	Y	Y	Y
Acquisition/installation of native plant material	Y	Y	Y	Y
Acquisition/installation of plant material stabilizer	Y	Y	Y	Y
Planting trees for future harvesting ^a	N	N	Y	N
Watering riparian plantings ^c	Y	Y	Y	Y

PROJECT	Eligibility for Type of Assistance - Yes (Y)/ No (N)			
	CCWF Grant	CCWF Loan	SRF Loan	319 Grant
Residue management via no till, direct seeding	N	Y	Y	N
Riparian forest buffers	Y	Y	Y	Y
Use of sediment settlers (e.g., Polyacrylamide) ^a	N	Y	Y	N
Grass filter strips ^a	Y	Y	Y	Y
Conservation plans and targeted BMP plans	Y	Y	Y	Y
Site monitoring and follow-up maintenance	Y	Y	Y	Y
Site preparation work (e.g., weed removal)	Y	Y	Y	Y
Weed control associated with riparian revegetation	Y	Y	Y	Y
Lakeshore riparian installation ^a	Y	Y	Y	Y
Wetlands restoration ^a	Y	Y	Y	Y
Land acquisition for wetlands protection, restoration, and construction	N	Y	Y	N
Armoring of the toe	Y	Y	Y	Y
Sediment control basins	N	Y	Y	N
Chanel re-establishment or naturalization/meander reconstruction/re-sloping	Y	Y	Y	Y
Stream bank revegetation	Y	Y	Y	Y
Wetlands restoration	Y	Y	Y	Y
Wetland creation	N	Y	Y	N
Farm & livestock management				
Fencing on private property ^{a, b}	Y	Y	Y	Y
Fencing on public property ^{a, c}	Y	Y	Y	Y
Acquisition/installation of fencing along stream	Y	Y	Y	Y
Acquisition/installation of side fencing	N	N	N	N
Bridges (livestock only)	Y	Y	Y	Y
Bridges (vehicle)	N	N	N	N
Off-stream watering provisions ^{a, b, c} (conditionally eligible--more information following this table)	Y	Y	Y	Y
Installation of livestock exclusion fencing	Y	Y	Y	Y
Public information and education				
Education, outreach, information	Y	Y	Y	Y
Educational signage	Y	Y	Y	Y
Pledge programs	Y	Y	Y	Y
School programs ^{a, d}	Y	Y	Y	Y
Structural protection or reconstruction				

PROJECT	Eligibility for Type of Assistance - Yes (Y)/ No (N)			
	CCWF Grant	CCWF Loan	SRF Loan	319 Grant
Culvert reconstruction or replacement	N	N	N	N
Stormwater projects				
Implementation of educational activities	Y	Y	Y	Y
Stormwater related land use planning	Y	Y	Y	Y
Stormwater inventories	Y	Y	Y	Y
Establishment of stormwater utilities	Y	Y	Y	Y
Detention facilities, (ponds, tanks, or vaults, et. al.)	N	Y	Y	N
Infiltration systems (dry wells, swales, trench, pond)	N	Y	Y	N
Stormwater treatment facilities (constructed wetlands, bioretention, et. al.)	N	Y	Y	N
Septic system surveys	Y	Y	Y	Y
Septic system repair/replacement ^a	N	Y	Y	N
Community systems (planning, design, and construction)	N	Y	Y	N
Septage treatment	N	Y	Y	N
Utility setup	Y	Y	Y	Y
Individual residential stormwater infiltration treatment and collection systems, such as rain gardens or biofiltration swales on private property	N	N	N	N
Low-impact development BMPs	N	Y	Y	N
Irrigation water management				
Irrigation water management a (such as drip, mist, or low delivery systems)	N	Y	Y	N

^a Indicates specific criteria and/or guidelines apply.

^b Work on private property requires landowner agreement.

^c May have Ecology's Water Resources (WR) and/or Shorelands and Environmental Assistance (SEA) Program issues. Applicants, recipients and Ecology staff may need to inquire as to specific project limitations.

^d School Districts are not eligible for funding

Eligibility of Off-Stream Water Facilities for Livestock

Off-stream water facilities (including well construction) is conditionally eligible for Water Quality Program financial assistance for projects that include privately owned livestock operations. Conditional eligibility is offered to address the need to provide an alternative source of livestock watering where fencing or other method(s) are used to exclude livestock from streams in order to protect water quality.

The following conditions must be met to have off-stream watering facilities considered for Water Quality program grant or loan eligibility:

1. Land use must be dedicated to livestock or milk production on or before June 10, 2004.
2. For wells to be eligible, operations must have, on or before the beginning of the funding cycle, at least twenty (20) “Animal Units” (see chart and example calculation provided at the end of this section: “Eligibility of Off-Stream Water Facilities for Livestock”).

A cost-effective analysis for wells must be completed in accordance with the following criteria:

- i. Gravity feeding or pumping from existing surface and groundwater sources, and water hauling are to be considered as first choices. If these alternatives are not feasible, dug or drilled wells may be considered.
 - ii. Wells must be either less costly or demonstrably more cost-effective (may include analysis of such issues as hydraulic flow, sediment clogging, freezing, etc.)
 - iii. The practice chosen must be in accordance with the conservation plan (or more focused plan involving livestock exclusion and off-stream water provisions).
 - iv. Plan(s) must be completed and approved by at least the respective conservation district before off-stream watering is installed.
3. **Off-stream water facilities (not including well construction)** may be provided for less than twenty (20) Animal Units.
 4. **A landowner agreement** must be signed between the private property owner and the applicant/recipient before the off-stream watering facility is installed. The agreement must allow inspection by the recipient and by Ecology staff, and may provide for public and educational tours to be arranged between the recipient and the landowner.

The landowner agreement (recommended format available from Ecology Project Managers) will include, but not be limited to:

- a. A ten- (10) year maintenance agreement that is transferred with the ownership of the land.
- b. Provisions to ensure that water supplied is for livestock use only.

- c. **Per Ecology Water Resources Program Policy, 1025**, facilities provided must serve no greater number of livestock than historically range that parcel of property. The quantity of water consumed by livestock as a result of the funded off-site watering facility should not exceed the quantity consumed if the stock were to drink directly from the stream.
 - d. **If land use is changed** from livestock management to residential, commercial, or industrial development during the 10-year landowner/recipient agreement period, all financial assistance issued for the off-stream watering facilities must be immediately repaid by the loan or grant recipient to Ecology.
- 6. Riparian revegetation, as needed**, will be installed to provide controlled overland flow filtering of pollutants (in accordance with, but not limited to, all applicable Natural Resources Conservation Services Field Operating Technical Guide (FOTG) Practices listed below).
- 7. Livestock exclusion fencing or another equally effective exclusionary BMP is to be provided** (FOTG below includes specifications, e.g., slope, distance to water body, etc.)
- 8. Financial Assistance Limits and Other Provisions**
- a. For any (and all) off-stream livestock water provisions, up to 75 percent of total eligible cost or \$6,000 (whichever is less) per landowner per grant. Loans may be issued to cover up to 100 percent of eligible project costs.
 - b. Pumps, pipes, water troughs, and wells, as needed, are eligible.
 - c. For wells, the loan or grant will not reimburse recipients for costs associated with unsuccessful drilling for water.
 - d. Neither electrical nor mechanical power provisions are eligible.
 - e. Ecology's Project Manager may consult with other staff, including Ecology's Shorelands and Environmental Assistance Program Watershed Planning Unit, and staff of other agencies; and the Project Manager will consult with the Water Resources Program regarding water quantity and water rights issues, etc., as wells are considered.

For Example:

Riparian Forest Buffer (391) 8/1/2000 5/28/2003 2 Forester/Biologist
Checklist Riparian Forest Buffer (391) Documentation Checklist 2
Specifications, Job sheets, and Worksheets
Riparian Forest Buffer (391) Specification 2

Filter Strip [**fencing**] (393) 5/1/2003 1/13/2004 Agronomy
Checklist Filter Strip (393) Documentation Checklist
Specifications, Job sheets, and Worksheets
Filter Strip (393) Job sheet

Streambank and Shoreline Protection (580)
9/1/1999 4/24/2002 2 Biologist/
Checklist Streambank and Shoreline Protection (580) Documentation Checklist 2

Tree/Shrub Establishment (612) 1/1/2001 7/23/2001 2 Forester
Checklist Tree/Shrub Establishment (612) Documentation Checklist 2
Specifications, Job sheets, and Worksheets
Tree/Shrub Establishment (612) Specification

Watering Facility (614) 8/1/2000 9/11/2001 2 Engineer
Checklist Watering Facility (614) Documentation Checklist

Water Well (642) 6/1/2000 6/29/2000 2 Engineer
Water Well (642) Documentation Checklist 2

(A table showing “animal unit” conversions is on the following page.)

“**Animal Units**” are defined in accordance with WAC 173-224-030, *Wastewater Discharge Permit Fee*:

"Animal Unit" means the following:

Animal Type	Number of Animals per Animal Unit
Dairy Cows	
Jersey Breed	
Milking Cow	0.900
Dry Cow	0.900
Heifer	0.220
Calf	0.220
Other Breeds	
Milking Cow	1.400
Dry Cow	1.000
Heifer	0.800
Calf	0.500
Feedlot Beef	0.877
Horses	0.500
Sheep	0.100
Swine for breeding	0.375
Swine for slaughter	0.110
Laying hens & pullets > 3 months	0.004
Broilers & pullets < 3 months	0.002

Example Calculation: 23 Feedlot Beef X 0.877 = 20 Animal Units

New Innovative/Alternative Technology Projects (Demonstration Projects)

Ecology has four regional areas in Washington State: Northwest, Southwest, Central, and Eastern (see map following this section: “New Innovative/Alternative Technology Projects -Demonstration Projects”).

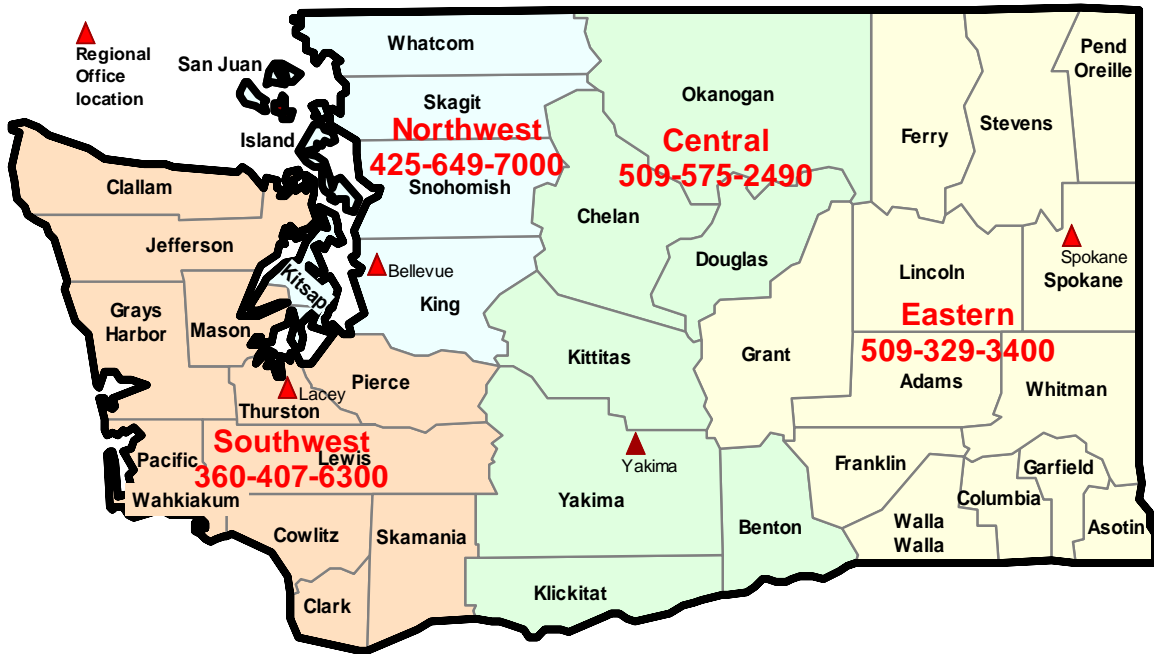
New or innovative/alternative (I/A) BMPs “Demonstration” activity projects can be considered on a case-by-case basis provided the practice has a proven record and if the practice has not previously been demonstrated in the Ecology region where the project is proposed regardless of whether or not Ecology financial assistance was used. While new or innovative BMPs are likely limited because of priority considerations, additional demonstrations of the same practice can be considered on a case-by-case basis if justification is provided that shows travel constraints on the target audience of greater than two hours of travel time.

New or I/A BMPs for activity projects requiring design engineering are exempt from the ten percent design limitation.

Demonstration projects should also be relatively small in scope, yet large enough to clearly exhibit BMP effectiveness. Assessment and/or monitoring will need to be factored into a demonstration sufficient to document both pre- and post-implementation conditions and BMP effectiveness. I/A projects also need to incorporate education and outreach, including direct involvement from the local county cooperative extension office or local conservation district. Planned outreach needs to include news articles, focus sheets, or other written materials in order to maximize public exposure and increase the public awareness of the project. Approaches for planned outreach need to be explained in the financial assistance proposal.

Department of Ecology Regional Offices

Headquarters (Lacey) 360-407-6000
TTY (for the speech and hearing impaired) statewide is 711 or 1-800-833-6388



APPENDIX J: Developing Public Communication and Education Project Proposals

Following is a checklist that applicants can refer to in developing public communication and education project proposals. The goal of the checklist is to help in the design of projects that are effective at changing behaviors and achieving environmental results.

1. Project Background

- Consider the water quality problem that is the focus of the project; target population; geographic area; socio-economic status of targeted population; predominant land uses; and the behavioral change you seek to achieve for each target identified (source of the water quality problem or issue - one target could be responsible for several problems).
- What knowledge, attitude, and skills do you desire in the targeted population?
- Be careful to use 1 or 2 primary objectives and be realistic about what you can accomplish during the grant period.
- If this is a continuing attitude or behavior change that you wish to affect, how do you propose to sustain it?

2. Project Design

- Agree on the optimal way to identify and reach your audiences.
- Identify common needs in participants and how the project can fulfill these needs.
- Identify conflicting needs (associated with barriers analysis).
- Identify the specific barriers, both internal to the person or organization, as well as external, such as lack of knowledge or conditions, and practical barriers to desired change (no place local to change oil properly). Tell us how your project will remove these barriers.
- Identify the project team and their qualifications.
- Will you use volunteers and if so, how? How will you recruit and retain them?
- Identify community leaders, decision makers, and trusted peers and leaders within business, non-profit and community groups that have similar interests in environmental change/sustainability. These are the people and organizations that will help you advance your project and its objectives. Please explain how you will leverage their influence to amplify your results.
- Determine resources you will use, including training materials, facilities, media and corresponding distribution strategy.
- Also consider: (a) regular reminders of the desired behavior; (b) trusted and credible sources for communication; (c) communication that is direct, simple, personal and vivid; (d) leaders, described above, to model and promote the behavior you seek (what kind of changes do you want people to make in the way they make decisions?); (e) personal commitments from groups and individuals.
- Plan to pilot and field test your materials or activities with a small segment of your intended audience before “going big” and final.
- Make sure that your plan can be adjusted during the project to accommodate lessons learned (Can it be changed in mid-course?)

- Design your project with evaluation tools and methodologies in mind and don't make it an afterthought.

3. Education Plan

- State measurable objectives and goals of the project.
- List the performance measures you will use to assess how effective your project was. Success is defined as progress towards meeting your goals and objectives.
- List your specific actions, implementing entities and both timetable and cost per action.
- List media and promotions to be utilized (including the use of music and art).
- For Public Participation, record the number of participants at events, number of one-on-one contacts, and number of groups interested.

4. Monitoring and Post-Project Evaluation

- What kind of assessment and evaluation tools will you use to evaluate the effectiveness of your program? Examples include customer feedback surveys (telephone tends to work better), interviews, focus groups, observations, and before and at least after six months, "records" that can infer change.
- How will you measure the participant's knowledge, skill, attitudes and actions?
- How is the evaluation strategy linked to the stated goals and objectives?
- How will you evaluate presenter activities and materials?
- How will you monitor or evaluate the relationship between the educational activities and changes in behavior and water quality changes?

5. Resources

Suggested resources to facilitate a project may include: Visual Tools for Watershed Education; The National Environmental Education & Training Foundation; and The Henry P. Kendall Foundation; National Leadership Forum Report; "Fostering Sustainable Behavior" by Doug McKenzie-Mohr and William Smith; and "Targeting Outcomes of Programs," Claude Bennett and Kay Rockwell.

APPENDIX K: Opinion of Recipient’s Legal Counsel

I am an attorney at law admitted to practice in the state of Washington and the duly appointed attorney of _____ (the “RECIPIENT”); and I have examined any and all documents and records pertinent to the AGREEMENT.

Based on the foregoing, it is my opinion that:

A. The RECIPIENT is a duly organized and legally existing municipal corporation or political subdivision under the laws of the state of Washington or a federally recognized Indian tribe;

B. The RECIPIENT has the power and authority to execute and deliver, and to perform its obligations under, the AGREEMENT;

C. The AGREEMENT has been duly authorized and executed by the RECIPIENT’s authorized representatives and, to my best knowledge and after reasonable investigation, all other necessary actions have been taken to make the AGREEMENT valid, binding, and enforceable against the RECIPIENT in accordance with its terms, except as such enforcement is affected by bankruptcy, insolvency, moratorium, or other laws affecting creditors’ rights and principles of equity if equitable remedies are sought;

D. To my best knowledge and after reasonable investigation, the AGREEMENT does not violate any other agreement, statute, court order, or law to which the RECIPIENT is a party or by which it or its properties is bound; and

E. There is currently no litigation seeking to enjoin the commencement or completion of the PROJECT or to enjoin the RECIPIENT from entering into the AGREEMENT or from accepting or repaying the LOAN. The RECIPIENT is not a party to litigation which will materially affect its ability to repay such loan on the terms contained in the AGREEMENT.

[F. The AGREEMENT constitutes a valid general obligation of the RECIPIENT payable from annual *ad valorem* taxes to be levied within the constitutional and statutory tax limitations provided by law without a vote of the electors of the RECIPIENT on all of the taxable property within the boundaries of the RECIPIENT.]

[F. The AGREEMENT constitutes a valid obligation of the RECIPIENT payable from the Net Revenues of the Utility [and ULID Assessments in the ULID]].

Capitalized terms used herein shall have the meanings ascribed thereto in the AGREEMENT between the RECIPIENT and the DEPARTMENT.

RECIPIENT’S Legal Counsel

Date

APPENDIX L: Pilot Regulations and Guidelines for Alternative Contracting/ Service Agreement SRF Provisions

Overview of Alternative Contracting/Service Agreement Provisions

In accordance with pilot SRF rulemaking provisions for Alternative Contracting/Service Agreements, a facilities project will not be required to proceed according to the Step Process in order to be eligible for a State Revolving Fund (SRF) loan. Such projects are to comply with Alternative Contracting and/or Service Agreement process authorized by and complying with Chapter 39.10 RCW, *Alternative Public Works Contracting Procedures*, Chapter 70.150 RCW, *Water Quality Joint Development Act*, and/or Chapter 35.58 RCW, *Powers of Metropolitan Municipal Corporations*.

The following eligibility documents, which may be combined by the applicant as appropriate for efficiency, must be provided to Ecology for Alternative Contracting/Service Agreement projects (AC/SA projects) at the time of application for financial assistance:

1. Application for financial assistance according to the funding cycle, including documentation of Ecology approval of a current facilities plan or general sewer plan;
2. Documentation of specific public works and financial management expertise (experience, number of staff, etc.) to certify that the public body has the technical and financial management capability to accept the AC/SA process responsibilities noted in *Preliminary Issues for Applicants to Consider* (below);
3. A written opinion from the attorney of the public body that the public body is legally capable of assuming responsibilities under Chapter 70.150 RCW, *Water Quality Joint Development Act*, Chapter 39.10 RCW, *Alternative Public Works Contracting Procedures*, and/or Chapter 35.58RCW, *Powers of Metropolitan Municipal Corporations*, and other applicable state and federal statutes;
4. A cost and time-to-complete comparison of AC/SA versus conventional design/bid/construct (including estimated costs using both the AC/SA and the conventional step 1, 2, 3 processes).

If the project is offered AC/SA financial assistance, other documentation will be required as a condition of the offer (see provisions of the offer below).

Once appropriate documents are approved, design and construction may be completed in the sequence that best suits local needs without the need for further reviews by Ecology. Staff at Ecology will be available only in an advisory capacity at the request of the loan recipient.

Preliminary Issues for Applicants to Consider

Before considering the AC/SA approach, applicants need to assess its cost effectiveness (e.g., overall cost and/or time savings with the AC/SA process versus the conventional design/bid/construct process). Public bodies should also determine whether they can undertake the additional responsibilities associated with the overall delegation of plans and specifications approval, and cost controls (e.g., an experienced public works director and financial officer with

adequately staffed department(s) and/or internal expertise supplemented by outside experienced consultant assistance). Delegation of these responsibilities is one of the critical elements of the AC/SA approach.

Recipients of SRF financial assistance for AC/SA projects must comply with all applicable state, federal, and local statutes, ordinances, and regulations, including but not limited to all applicable provisions of Title 39 RCW, Chapter 70.150 RCW, Chapter 35.58 RCW, and Chapter 90.48 RCW.

Process and General Criteria for Public Bodies to Participate

Applicants seeking consideration for the AC/SA process are to develop and provide in the application for financial assistance the eligibility documents noted above:

If the project is offered funding according to the final SRF Intended Use Plan (based on its rank on the statewide list), applicants will receive an offer letter from Ecology.

If the project is eligible for the AC/SA process in accordance with Ecology's review of the eligibility documents, the offer will:

- Be for the estimated costs for:
 - Completing, as needed, facilities planning (including primary design elements listed below), and
 - The full eligible AC/SA amount (within established ceiling amounts and funds available).
- Be conditioned on completion and approval of a loan agreement within one year of the date of the combined Final Offer List;
- Establish a time bounded schedule for expeditious completion of all documents and project phases, including:
 - Completion and approval of a signed loan agreement;
 - Requests for qualifications and proposals to be provided to Ecology;
 - Service contract(s)/service agreement(s);
 - Facilities plan or facilities plan amendment, as appropriate (including primary design elements discussed below);
 - Delegation of approval authority;
 - Expeditious completion of the project.
- Be conditioned on the provision that the public body will make timely progress through the AC/SA process in order for Ecology to obligate funds in a timely manner.

Failure of the recipient to make timely progress or withdrawal from the process may result in amendments to the loan agreement to provide conventional SRF financial assistance or termination (and possible immediate repayment) of the loan.

In accordance with the offer letter, applicants will then:

1. Sign a loan agreement to complete facilities planning (including amendment(s) needed to approve facilities plans), which must include the primary design elements for the selected alternative, and sequential, timely completion of the AC/SA phases. The facilities plan must be approved by Ecology;
2. Provide for Ecology acceptance the Draft Request for Qualifications and sequentially the Draft Request for Proposals for AC/SA service providers;
3. Prepare service contract(s) and/or service agreement(s) for AC/SA services under Chapter 39.10 RCW and/or Chapter 70.150 RCW respectively, or contracts under RCW 35.58.180. The service contract(s)/service agreement(s) must be reviewed and approved by Ecology;
4. Prepare a delegation agreement that must be approved by Ecology. This agreement is needed for the applicant to assume responsibility for project completion in accordance with Chapter 90.48 RCW;
5. Ensure that the contractor and/or service provider completes the project in accordance with all agreements and contracts;
6. Fulfill the provisions of the loan agreement(s) with Ecology. Included in the special terms and conditions in the loan agreement will be special reporting requirements to monitor project progress under the pilot rule;
7. Be responsible for ensuring that facilities are designed, constructed and operated to comply with all applicable statutes, ordinances, regulations and guidelines;
8. Required submittals include, but are not limited to:
 - As-built record drawings,
 - Certificate of completion, and
 - Operation and maintenance manual(s) reviewed and accepted by operator(s).

If the project is not deemed eligible for AC/SA process in accordance with Ecology's review of the eligibility documents, it may considered using the traditional Step Process for planning or design.

Primary Design Elements

Primary design elements for the facility must be approved by Ecology prior to delegating approval authority to public bodies. These elements will be included in a Facilities Plan or Facilities Plan Amendment. Prospective participants are encouraged to contact Ecology's Regional Project or Facilities Manager prior to facilities planning or development of these primary design elements. The level of detail needed for the primary design elements will vary depending upon the complexity of the treatment processes being planned, the effluent discharge requirements, etc. The primary design elements must at least include an adequate discussion of the following:

- Design Criteria,
- Performance Criteria,
- Calculation Sheet,
- Hydraulic Profile,
- Process Sizing,
- Equipment (proprietary and other),
- Equipment Reliability Requirements (including warranties),
- Detailed Cost Estimates,
- Plan of Operations during Construction,
- Project Performance Warranties to be Required of the AC/SA Service Provider(s),
- Layout of All Major Unit Processes,
- Line Diagrams or Schematics,
- Safety and Security Criteria,
- Provisions for O & M Manual(s), and
- Others, as Determined by Regional Staff in Coordination with the Applicant.

Special Reporting Needs

Particularly during the pilot phase of rulemaking, public bodies will need to report to Ecology regarding the efficacy of the approach to help Ecology as it considers development of the final rule. Participants need to agree to make a good faith effort to comply with the pilot rule. Reporting requirements are to become Special Conditions in the SRF loan agreement. Specifically, they are:

- At the mid-project review(s) scheduled in the loan agreement and the end-of-project review, a detailed analysis would include any cost or time efficiencies derived from the process; any impediments imposed by the process, etc.; and any general recommendations to change the process in the future. The end-of-project review should be in the form of a comprehensive report to the Water Quality Program Manager.
- Quarterly project progress reports in accordance with current guidance should also highlight these matters as they are identified.

During the pilot rulemaking phase, which is estimated to last through the completion of at least two AC/SA facilities projects, copies of all such reports and any substantive experiences, concerns, and recommendations are to be sent to the Ecology financial manager, who will forward them to the project manager and the Pilot Rule Coordinator.

Application Process and Yearly Budget Provisions

- Applicants for AC/SA projects must apply during the application cycle in order to be considered for funding and for their projects to be included on the SRF Intended Use Plan.
- Applicants will be evaluated the year they apply for funding. Applicants offered funding will not be evaluated during subsequent funding cycles. The project will be put at the top of the funding offer list each year until the project is fully funded.
- Each year the recipient is to submit a Water Quality Financial Assistance Application Part 1 and include a detailed budget, if costs have changed, for the entire project. The recipient must also include a detailed budget by task or element and the amount of funding needed to complete work from October 1 through September 30 of each year until the project is fully funded.

Provisions for Withdrawal from the Pilot AC/SA Process

Participants may withdraw from the pilot rulemaking process by explaining their rationale and, as needed, by providing details on what parts of the process were problematic for them in a written report to the Water Quality Program Manager after consulting with Ecology staff and the Pilot Rule Coordinator. The Program Manager may accept the withdrawal in writing with or without conditions, or may direct staff to negotiate with participants to determine whether or not the withdrawal is necessary.

Withdrawal and amendment or termination provisions (including potential immediate loan repayment) will be in accordance with the SRF loan agreement, and they may include provisions to amend the loan agreement to provide for the conventional step 1, 2, 3 process, etc.

APPENDIX M: Resources to Identify and Quantify Impaired Designated Uses - Drinking Water Impairment Information

Large Community Water Systems

This entry identifies basins that contain sources for larger community water systems (CWS) where surface water and spring water represents a significant portion of the systems total capacity. The vulnerability of surface water to contamination and the potential impact on human health make these basins important areas for protection, preservation and/or pollution mitigation.

Data was compiled from the Department of Health's 2002 SENTRY database. The data set that was used included all community water systems, as defined by the federal Safe Drinking Water Act, reporting > 1,000 total connections. The data set was further screened for systems using surface water sources as permanent or seasonal (excluding emergency) supplies that represent at least 25% of the system's permanent and seasonal capacity. Please ensure whether or not your proposed project impacts a public water system meeting the above criteria.

Community water systems that met the criteria above are determined to "Significantly utilize surface water sources." All other systems are determined to have "No significant use of surface water sources."

See tables on following pages (PWS is public water system).

Src_Pws ID	Src_Src Number	Pws_Systemname	Pws System Type	Pws_County	Pws Region	Pws_Total Conn	Src_Source Type	Pws_WRI A
00050	01	Aberdeen, City of Water Department	COMM	Grays Harbor	SW	6112	S	22
02200	01	Anacortes, City of	COMM	Skagit	NW	6517	S	3
03350	01	Auburn Water Division, City of	COMM	King	NW	11000	SP	9
03350	02	Auburn Water Division, City of	COMM	King	NW	11000	SP	9
05122	07	North Peninsula	COMM	Kitsap	SW	3035	S	15
05122	08	North Peninsula	COMM	Kitsap	SW	3035	S	15
05600	01	Bellingham-Water Division, City of	COMM	Whatcom	NW	18589	S	1
05600	02	Bellingham-Water Division, City of	COMM	Whatcom	NW	18589	S	1
05600	03	Bellingham-Water Division, City of	COMM	Whatcom	NW	18589	S	1
07650	01	Bonney Lake Water Department, City	COMM	Pierce	NW	8389	SP	10
07650	02	Bonney Lake Water Department, City	COMM	Pierce	NW	8389	SP	10
08200	01	Bremerton, City of	COMM	Kitsap	SW	16542	S	15
08200	02	Bremerton, City of	COMM	Kitsap	SW	16542	S	15
08200	03	Bremerton, City of	COMM	Kitsap	SW	16542	S	15
08200	04	Bremerton, City of	COMM	Kitsap	SW	16542	S	15
08200	05	Bremerton, City of	COMM	Kitsap	SW	16542	S	15
09000	01	Buckley Water	COMM	Pierce	NW	1312	S	10
10800	01	Camas Municipal Water Sewer System	COMM	Clark	SW	5000	S	27
10800	02	Camas Municipal Water Sewer System	COMM	Clark	SW	5000	S	27
12200	01	Centralia Utilities	COMM	Lewis	SW	5600	S	23
12250	01	Chehalis Water Department, City of	COMM	Lewis	SW	2608	S	23
12250	02	Chehalis Water Department, City of	COMM	Lewis	SW	2608	S	23
12300	01	Chelan Water Dept, City of	COMM	Chelan	EA	1744	S	47
12300	02	Chelan Water Dept, City of	COMM	Chelan	EA	1744	S	47
12300	03	Chelan Water Dept, City of	COMM	Chelan	EA	1744	S	47
13500	01	Cle Elum Water Department	COMM	Kittitas	EA	1000	S	39
13500	02	Cle Elum Water Department	COMM	Kittitas	EA	1000	S	39
23600	01	Enumclaw Water Department	COMM	King	NW	5007	SP	9
23600	02	Enumclaw Water Department	COMM	King	NW	5007	SP	9
24050	01	Everett Public Works Dept. City of	COMM	Snohomish	NW	21200	S	7
24850	01	Ferndale	COMM	Whatcom	NW	3446	S	1
26050	01	Fort Lewis Water – Cantonment	COMM	Pierce	NW	3730	SP	12
26595	01	Friday Harbor, Town of	COMM	San Juan	NW	1211	S	2

Src_Pws ID	Src_Src Number	Pws_Systemname	Pws System Type	Pws_County	Pws Region	Pws_Total Conn	Src_Source Type	Pws_WRI A
28450	01	Goldendale, City of	COMM	Klickitat	EA	1072	SP	30
28450	02	Goldendale, City of	COMM	Klickitat	EA	1072	SP	30
28450	03	Goldendale, City of	COMM	Klickitat	EA	1072	SP	30
28450	04	Goldendale, City of	COMM	Klickitat	EA	1072	SP	30
28450	05	Goldendale, City of	COMM	Klickitat	EA	1072	SP	30
28450	06	Goldendale, City of	COMM	Klickitat	EA	1072	SP	30
34350	01	Hoquiam Water Department, City of	COMM	Grays Harbor	SW	3600	S	22
34350	02	Hoquiam Water Department, City of	COMM	Grays Harbor	SW	3600	S	22
34350	03	Hoquiam Water Department, City of	COMM	Grays Harbor	SW	3600	S	22
38100	06	Kennewick, City of	COMM	Benton	EA	16368	S	31
38900	01	King County Water District 19	COMM	King	NW	1299	S	15
38900	02	King County Water District 19	COMM	King	NW	1299	S	15
38900	05	King County Water District 19	COMM	King	NW	1299	S	15
43296	01	Fairview Lud 1 Lud 11 Bluffs	COMM	Clallam	SW	1263	S	18
43783	01	Lake Chelan Reclamation District	COMM	Chelan	EA	1194	S	47
43783	02	Lake Chelan Reclamation District	COMM	Chelan	EA	1194	S	47
43783	03	Lake Chelan Reclamation District	COMM	Chelan	EA	1194	S	47
48000	01	Long Beach Water Department	COMM	Pacific	SW	1362	S	24
48000	02	Long Beach Water Department	COMM	Pacific	SW	1362	S	24
48000	03	Long Beach Water Department	COMM	Pacific	SW	1362	S	24
48000	04	Long Beach Water Department	COMM	Pacific	SW	1362	S	24
48100	01	Longview Water Department	COMM	Cowlitz	SW	12491	S	26
48100	02	Longview Water Department	COMM	Cowlitz	SW	12491	S	26
49150	01	Lynden Water Department	COMM	Whatcom	NW	3706	S	1
51900	01	Marysville Utilities	COMM	Snohomish	NW	14788	SP	7
59994	01	North Bainbridge Water Co	COMM	Kitsap	SW	1600	SP	15
60100	01	North Bend, City of	COMM	King	NW	1480	SP	7
63450	01	Olympia, City of	COMM	Thurston	SW	16647	S	13
63450	02	Olympia, City of	COMM	Thurston	SW	16647	S	13
63600	03	Olympic View Water District	COMM	Snohomish	NW	4452	SP	8
63600	04	Olympic View Water District	COMM	Snohomish	NW	4452	S	8
64500	01	Orting, City of	COMM	Pierce	NW	1462	SP	10
64500	02	Orting, City of	COMM	Pierce	NW	1462	SP	10
64500	03	Orting, City of	COMM	Pierce	NW	1462	SP	10
64500	04	Orting, City of	COMM	Pierce	NW	1462	SP	10

Src_Pws ID	Src_Src Number	Pws_Systemname	Pws System Type	Pws_County	Pws Region	Pws_Total Conn	Src_Source Type	Pws_WRI A
66400	01	Pasco Water Department	COMM	Franklin	EA	7932	S	36
68550	02	Port Angeles, City of	COMM	Clallam	SW	7805	S	18
68550	03	Port Angeles, City of	COMM	Clallam	SW	7805	S	18
69000	01	Port Townsend, City of	COMM	Jefferson	SW	3619	S	17
69000	02	Port Townsend, City of	COMM	Jefferson	SW	3619	S	17
69150	01	Poulsbo, City of	COMM	Kitsap	SW	2194	SP	15
70050	01	Puyallup, City of	COMM	Pierce	NW	9936	SP	10
70050	02	Puyallup, City of	COMM	Pierce	NW	9936	SP	10
71500	01	Raymond Water Department	COMM	Pacific	SW	1300	S	24
71500	02	Raymond Water Department	COMM	Pacific	SW	1300	S	24
71850	05	Renton, City of	COMM	King	NW	12384	SP	8
72250	01	Richland, City of	COMM	Benton	EA	14011	S	37
72250	04	Richland, City of	COMM	Benton	EA	14011	S	37
77050	01	Seattle Public Utilities	COMM	King	NW	174672	S	8
77050	02	Seattle Public Utilities	COMM	King	NW	174672	S	8
78170	01	Shelton, City of	COMM	Mason	SW	3268	SP	16
79500	01	Skagit County PUD 1 Judy Res	COMM	Skagit	NW	18991	S	3
80915	01	Snohomish, City of	COMM	Snohomish	NW	2800	S	7
81080	01	Snoqualmie Water	COMM	King	NW	2008	SP	7
83650	01	Stanwood Water Dept, City of	COMM	Snohomish	NW	1750	SP	5
84770	01	Sultan Water Department	COMM	Snohomish	NW	1517	S	7
85120	01	Sumner, City of	COMM	Pierce	NW	2696	SP	10
85120	02	Sumner, City of	COMM	Pierce	NW	2696	SP	10
85120	03	Sumner, City of	COMM	Pierce	NW	2696	SP	10
85120	04	Sumner, City of	COMM	Pierce	NW	2696	SP	10
86800	01	Tacoma Water Division, City of	COMM	Pierce	NW	85803	S	12
86800	04	Tacoma Water Division, City of	COMM	Pierce	NW	85803	SP	12
92500	01	Walla Walla Water Division	COMM	Walla Walla	EA	8627	S	32
93343	08	PUD #1 of Asotin County	COMM	Asotin	EA	6260	S	35
95910	01	Whatcom Wtr Dist 10 - Sudden Valley	COMM	Whatcom	NW	1890	S	1
96350	01	White Salmon, City of	COMM	Klickitat	EA	1277	S	29
96350	02	White Salmon, City of	COMM	Klickitat	EA	1277	SP	29
99150	01	Yakima Water Division, City of	COMM	Yakima	EA	16124	S	37

Sole Source Aquifers with Geographic Sections That are Impaired. Please make certain whether or not that your proposed projects actually affects the specific geographic section. Local health departments may be helpful in this regard. Remember, unverified information may result in negative point assignments.

County	Sole Source Aquifer	NO ₃ ≥ 5 mg/l	NO ₃ ≥ 10 mg/l	Priority Pollutan t Metals	WRIA	Pesticides	VOC	Petroleum Products
Island	Camano Island Aquifer	4	1	1	6	0	1	0
Island	Whidbey Island Aquifer	15	5	4	6	1	7	8
Snohomish	Cross Valley Aquifer	0	0	0	7	0	0	1
Snohomish	Newberg Area Aquifer	0	0	1	7	0	0	0
King	Cedar Valley Aquifer	1	0	3	8	1	5	8
Snohomish	Cross Valley Aquifer	0	0	1	8	0	1	2
King	Cedar Valley Aquifer	0	0	1	9	0	0	1
Pierce	Central Pierce County Aquifer	1	0	4	10	2	9	12
Pierce	Central Pierce County Aquifer	5	2	0	11	0	1	0
Pierce	Central Pierce County Aquifer	15	0	10	12	3	23	13
King	Vashon-Maury Island Aquifer	1	0	1	15	0	0	0
Jefferson	Marrowstone Island Aquifer	0	0	0	17	0	0	0
Asotin	Lewiston Basin Aquifer	1	0	0	35	0	1	0
Lincoln	Spokane Valley Rathdrum	1	1	0	43	0	0	0
Spokane	(Hole in Spokane Aquifer)	1	0	0	54	0	0	0
Spokane	Spokane Valley Rathdrum	9	3	1	54	0	4	1
Spokane	Spokane Valley Rathdrum	3	1	1	55	2	8	1
Spokane	Spokane Valley Rathdrum	14	4	0	56	0	4	1
Spokane	(Hole in Spokane Aquifer)	0	0	1	57	0	2	2
Spokane	Spokane Valley Rathdrum	13	4	3	57	0	10	5

Habitat of Endangered or Threatened Salmonid Stocks

If you are unsure of whether or not the project is located in a basin with salmonid stocks listed as threatened or endangered in accordance with the Endangered Species Act, information and maps can be obtained using the internet address below. **Please make certain whether or not** that your proposed projects actually affects the habitat area in question. Remember, unverified information may result in negative point assignments
The WEB page has clear links to various endangered and threatened species: <http://www.nwr.noaa.gov/1salmon/salmesa/mapswitc.htm>



ESA LISTING MAPS

Select a species below to view range-wide and detailed ESU maps



Chinook Salmon



Pink Salmon



Chum Salmon



Sockeye Salmon



Coho Salmon



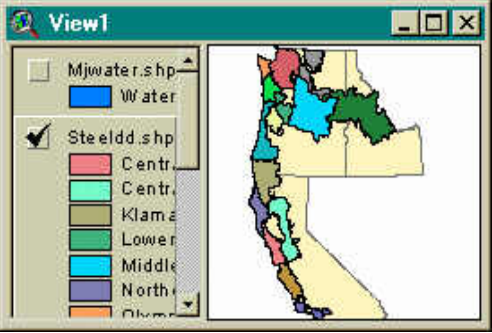
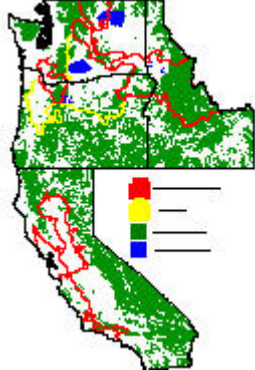
Steelhead



Coastal Cutthroat Trout* (*Now under the jurisdiction of the U.S. Fish and Wildlife Service*)

Map Data for Salmon and Steelhead ESUs

The table below contains data files (for use in ArcInfo or ArcGis) and detailed “wall maps” for salmon and steelhead species listed under the ESA. These files/maps cannot be viewed on-line. The wall maps are LARGE - approximately 24" x 36" - and require printing from a large format printer/plotter. Data for analysis and display were compiled from the best available sources and are for general reference only. No liability is assumed for the accuracy or completeness of the information contained herein. View Metadata for ArcView and Arc/Info coverages.

SPECIES	<p align="center">ESU Data in ArcInfo Export and Shape File Format</p> <p align="center">(NOTE: These data files require ArcGIS or Arc/Info software. They cannot be viewed on-line)</p> 	<p align="center">E-sized plot files of Salmon & Steelhead Listings in RTL File Format for Large Format Plotters</p> <p align="center">(NOTE: These files require special large format printers/plotters. They cannot be viewed on-line or opened. They must be sent directly to a large format printer/plotter)</p> 
Chinook Salmon	chinesu_e00.zip (1.2 MB)	chin99bg.rtl (36 MB)
Coho Salmon	cohoesu_e00.zip (488 KB)	coh98bg.rtl (3 MB)
Sockeye Salmon	sockesu_e00.zip (59 KB)	sock99bg.rtl (32 MB)
Chum Salmon	chumesu_e00.zip (449 KB)	chm99bg.rtl (24 MB)
Steelhead	stelesu_e00.zip (1.2 MB)	st99bg.rtl (38 MB)

Commercial and Recreational Shellfish Area Status

The Washington State Department of Health (DOH) Web site at <http://www.doh.wa.gov> contains links for impaired areas and other areas throughout Puget Sound. However, **please make certain whether or not** your proposed project actually affects the area in question. The following definitions from DOH may be useful as well:

Approved – The watershed contains shellfish beds that exceed the National Shellfish Sanitation Programs standards for the Approved classification.

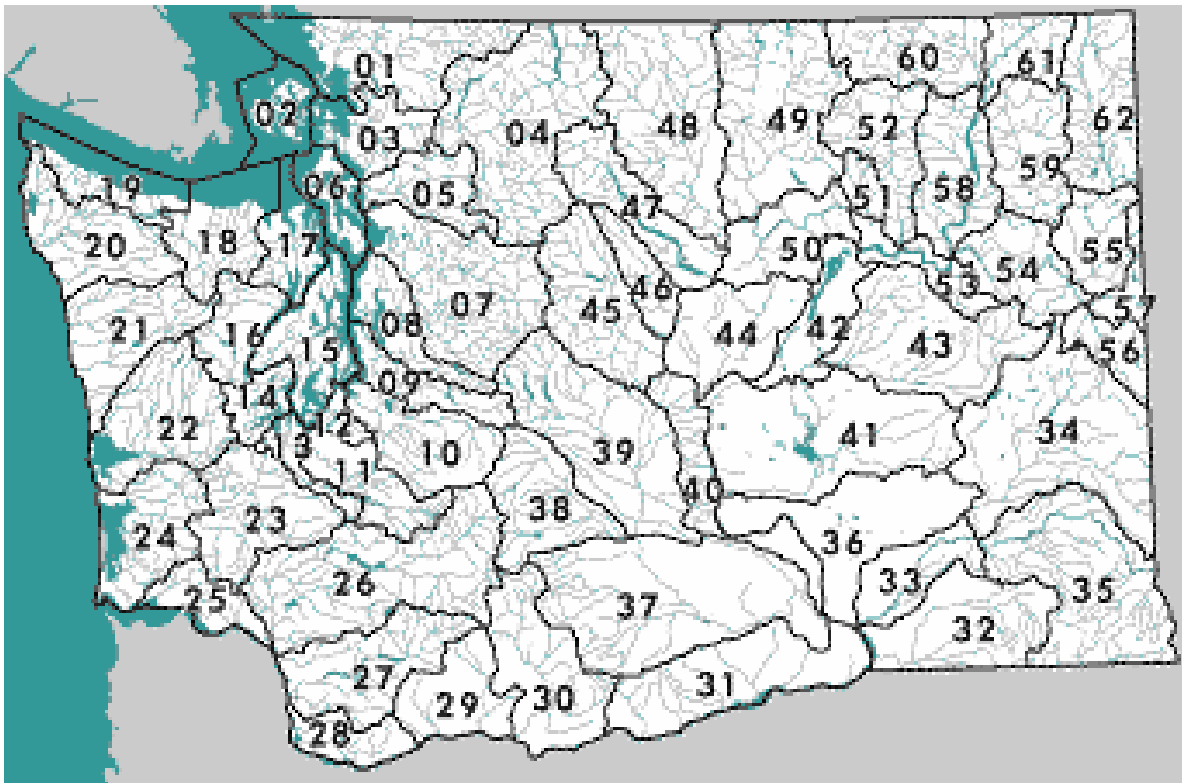
Concerned – The watershed contains shellfish beds that are on the Department of Health’s Concerned List. Pollution concerns have been identified in these areas that may affect the classification of the shellfish area in the future.

Threatened – The watershed contains shellfish beds that are on the Department of Health’s Threatened List. Significant pollution concerns have been identified in these areas. The areas’ shellfish classification is threatened with a downgrade.

Impaired – The watershed contains shellfish beds that are classified as Conditionally Approved, Restricted, or Prohibited due to pollution problems.

Undetermined – The watershed contains shellfish beds that are currently unclassified by the Department of Health. These beds may be classified in the future.

**APPENDIX N: Washington's Water Quality Management Plan to Control
Nonpoint Sources of Pollution (Volume 1)**



Washington State Department of Ecology
Publication # 04-10-063
August, 2004

APPENDIX O: Lake Public Access Requirements

Publicly provided lake access must be available in order to qualify for Department of Ecology funding for lake restoration purposes. At a minimum, seasonal access must be provided when funding assistance is requested for general water quality and Phase I diagnostic/feasibility assessments. A year-around multipurpose facility must be provided in order to be eligible for Phase II and Phase III funding. Park planning is an eligible Phase I cost. Ecology approval of the park plan is needed for Phase II consideration. Park implementation costs are not eligible for grant reimbursement.

All publicly provided access must be adjacent to the water's edge. The access must satisfy both active and passive uses. The complexity of the park facility is dependent upon the amount of grant funding requested for Phase II or Phase III projects.

Projects with a total cost less than \$400,000 must provide the following:

1. Park identification signs,
2. Boat launch
3. Parking area,
4. Garbage receptacles,
5. Picnic area, and
6. Sani-kans or portable toilets.

Projects with a total cost of between \$400,000 and \$800,000 must provide the following:

Items 1-6 above; plus

7. Play area,
8. Swimming area, and
9. Fire pits.

Projects with a total cost in excess of \$800,000 must provide the following:

Items 1-9 above; plus

10. Permanent restroom facilities,
11. Potable water supply,
12. Fishing pier/floats, and
13. Nature trails.

More detail on park planning is outlined in Ecology Publication ECY 90-6, "Shoreline Public Access Handbook."

APPENDIX P: Water Quality Loan and Grant Contact List, July 2007

Water Quality Program, Headquarters (Lacey): Main: (360) 407-6400, Fax: (360) 407-6426

Funding Programs

Centennial Clean Water Fund	Jeff Nejedly (360) 407-6566, jned461@ecy.wa.gov
Clean Water Act Section 319 Nonpoint Source Fund	Aleceia Tilley, (360) 407-6429, atil461@ecw.wa.gov
State Water Pollution Control Revolving Fund	Brian Howard, (360) 407-6510, brho461@ecy.wa.gov

General Application Information

Application Questions

	Jeff Nejedly (360) 407-6566 jned461@ecy.wa.gov
Local Priority Setting Process	Dan Filip, (360) 407-6509, dfil461@ecy.wa.gov
Submittal of Application	Jeff Nejedly (360) 407-6566 jned461@ecy.wa.gov

Project Specific Questions

Financial Hardship Assistance	Brian Howard, (360) 407-6510, brho461@ecy.wa.gov
Financial Management	Jeff Nejedly, Unit Supervisor, (360) 407-6566, jnej461@ecy.wa.gov Karen Beatty-Lee, (360) 407-6549, kbea461@ecy.wa.gov Cindy Price, (360) 407-7132, cpri461@ecy.wa.gov Aleceia Tilley, (360) 407-6429, atil461@ecw.wa.gov Emily Morris, (360) 407-6173, emar461@ecy.wa.gov Laurie Webster, (360) 407-6542 lcon461@ecy.wa.gov Joan Clark, (360) 407-6570 jcla461@ecy.wa.gov Lori Eastabrook, (360) 407- 6541 loea461@ecy.wa.gov
Small Towns Environment Program (STEP)	Karen Beatty-Lee, (360) 407-6549, kbea461@ecy.wa.gov
State and Tribal Assistance Grants (STAG)	Steve Carley, (360) 407-6572, stca461@ecy.wa.gov

Publications

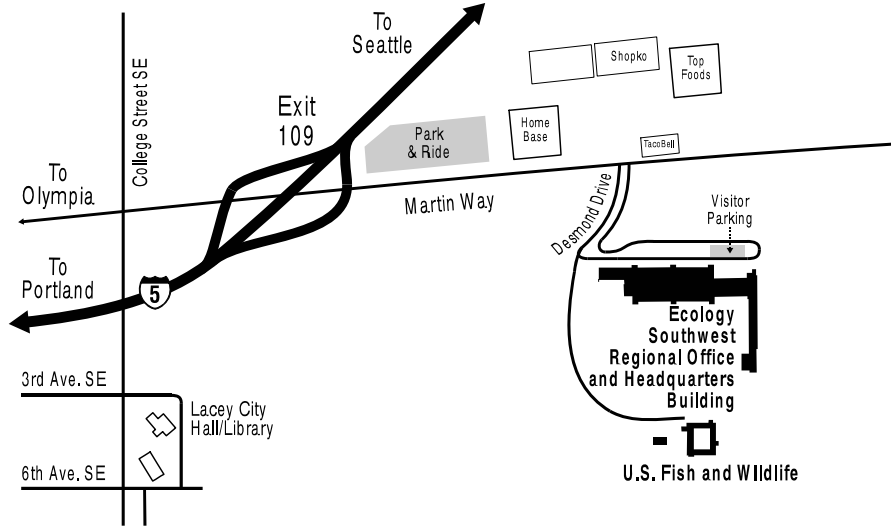
Ecology Publications Office	(360) 407-7472, ecypub@ecy.wa.gov
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Regional Contacts:

<u>Central Regional Office (Yakima)</u>	Main: (509) 575-2490 , Fax: (509) 575-2809
<u>Eastern Regional Office (Spokane)</u>	Main: (509) 329-3400 , Fax: (509) 329-3570
<u>Northwest Regional Office (Bellevue)</u>	Main: (425) 649-7000 , Fax: (425) 649-7098
<u>Southwest Regional Office (Lacey)</u>	Main: (360) 407-6300 , Fax: (360) 407-6305

APPENDIX Q: Map and Directions to Ecology Building

Headquarters and Southwest Regional Office, Lacey



From the South:

1. Take I-5 North.
2. Take exit 109 Martin Way.
3. Turn Left on Martin Way.
4. Proceed on Martin Way, turn right on Desmond Drive.
5. Turn left to Ecology Building.

From the North:

1. Take I-5 South.
2. Take exit 109 Martin Way.
3. Turn Left on Martin Way.
4. Proceed on Martin Way, turn right on Desmond Drive.
5. Turn left to Ecology Building .

Acronym, Abbreviation, or Contraction	Program Name	Contact Name	Phone No.	Email Address
319	Section 319 of the Clean Water Act - Nonpoint Source Pollution	Aleceia Tilley	360 407-6429	atil461@ecy.wa.gov
2514 (Phase 1-3)	Engrossed Substitute House Bill 2514 - The Watershed Planning Act	Cathy Hubbard	360 407-6491	cahu461@ecy.wa.gov
2514 (Phase 4)	Engrossed Substitute House Bill 2514 - The Watershed Planning Act	Gale Blomstrom	360 407-6748	gblo461@ecy.wa.gov
BPA	Bonneville Power Administration	Ed Bartlett	406 444-3952	ebartlett@nwppc.org
CC	Conservation Commission	Cheryl Witt	360 407-6205	cwit461@ecy.wa.gov
CCWF	Centennial Clean Water Fund	Jeff Nejedley	360 407-6566	jnej461@ecy.wa.gov
CREP	Conservation Reserve Enhancement Program	Rod Hamilton	509 323-3015	rod.hamilton@wa.usda.gov
CRP	Conservation Reserve Program	Rod Hamilton	509 323-3015	rod.hamilton@wa.usda.gov
CZM	Coastal Zone Management	Bev Huether	360 407-7254	bhue461@ecy.wa.gov
Ecology Coastal Protection	Ecology Administered Coastal Protection Fund	Gale Blomstrom	360 407-6748	gblo461@ecy.wa.gov
EPA	Environmental Protection Agency	Julie Jodock	206 553-1794	jodock.julie@epa.gov
EQIP	Environmental Quality Incentives Program	Ross Lahren	509 323-2971	ross.lahren@nrCS.gov
FCAAP	Flood Control Assistance Account Program	Bev Huether	360 407-7254	bhue461@ecy.wa.gov
FSA	Farm Service Agency	Rod Hamilton	509 323-3015	rod.hamilton@wa.usda.gov
IAC	Interagency Committee for Outdoor Recreation	Kammie Bunes	360 902-3019	kammieb@iac.wa.gov
N/A	Not applicable - Typically used for 100% grant programs, loans, etc.	Dan Filip	360 407-6509	dfil461@ecy.wa.gov
NOAA	National Oceanic and Atmospheric Administration	Contact Phone #	301 713-0174	http://www.photolib.noaa.gov/habrest/cbrp.html
NRCS	Natural Resource Conservation Service	Ross Lahren	509 323-2971	ross.lahren@nrCS.gov
PIE	Public Involvement and Education Program	Mary Knackstedt	360 725-5457	maryk@psat.wa.gov
PSAT	Puget Sound Action Team	Mary Knackstedt	360 725-5457	maryk@psat.wa.gov
SRF	State Revolving Fund	Brian Howard	360 407-6510	brho461@ecy.wa.gov
STAG	State and Tribal Assistance Grants	Shara Stelling	360 407-6570	stel461@ecy.wa.gov
USACE	United States Army Corps of Engineers	Les Soule	206 764-3742	
USDA	United States Department of Agriculture Rural Development	Melanie Desksel	509 664-0242	melanie.decksel@wa.usda.gov
WQA	State of Washington, Water Quality Account per Chapter 70.146 RCW, <i>Water Pollution Control Facilities Financing</i> RCW 70.146.080 - Determination of tax receipts in water quality account -- Transfer of sufficient monies from general revenues	Kim Wagar	360 407-6614	kwag461@ecy.wa.gov

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