

Reclaimed Water Grants Program
Fiscal Year 2008

Draft Offer and Applicant List

December 2007

Publication Number 07-10-109



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*Prepared by the Water Quality Program's
Financial Management Section*

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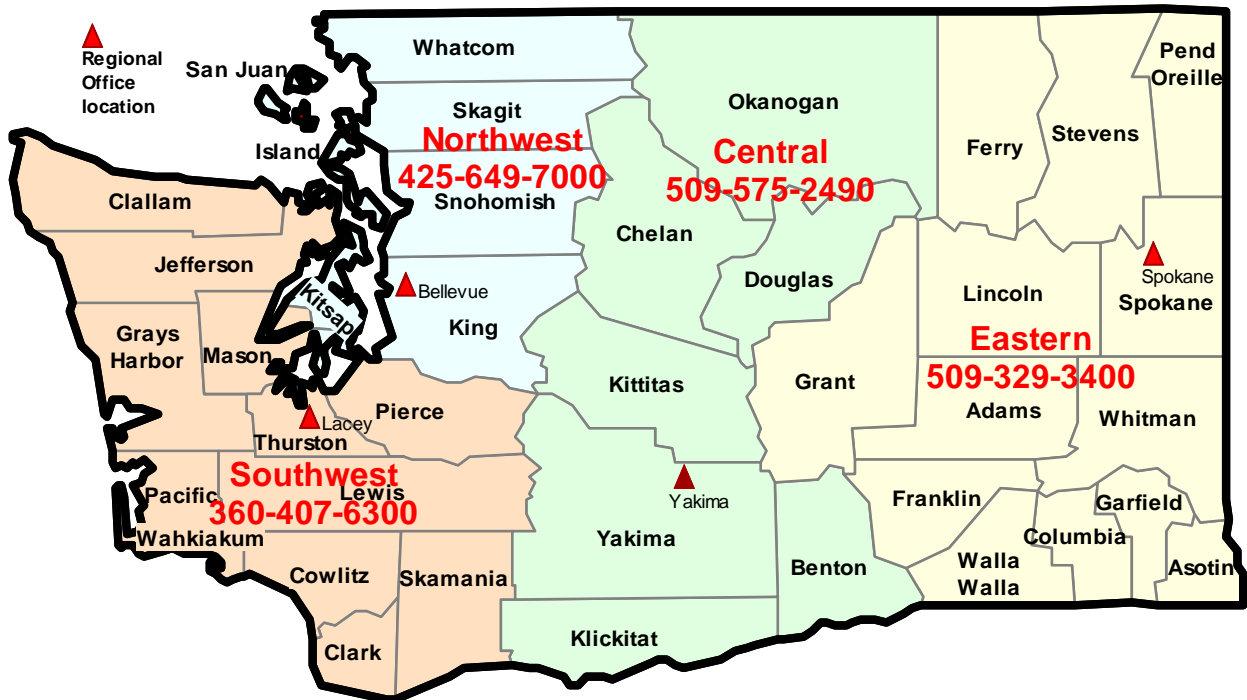
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Financial Management Section
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Persons with a speech disability can call 877-833-6341.**

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Overview, Development, and Schedule for the FY 2008 Reclaimed Water Grants Program

Overview

The Draft Offer and Applicant List's purpose is to provide applicants and the general public a comment period on the list of projects proposed for funding under the *FY 2008 Reclaimed Water Grants Program*. Comments should be written and sent to:

Dan Filip
Department of Ecology
Water Quality Program
P.O. Box 47600
Olympia, WA 98504-7600

The list of projects proposed for funding follows the section: *What happens after the comment period?* Project summaries are located at the end of the list.

To obtain a copy of the evaluation scores and comments, please contact:

Shelly Eisenbarth
Department of Ecology
Water Quality Program
seis461@ecy.wa.gov
(360) 407-7039

For additional information on the *FY 2008 Reclaimed Water Grants Program*, please go to:

<http://www.ecy.wa.gov/programs/wq/funding/ReclaimedWaterGrants.htm>

Background

The 2007 Washington State Legislature passed the 2007-09 biennium Capital Budget, which includes funds to assist local governments with reclaimed water needs.

The Legislature appropriated \$5,455,000 for the Department of Ecology (Ecology) to develop the FY 2008 Reclaimed Water Grants Program for the Puget Sound basin, manage grants issued to local governments, and provide technical assistance and review of planning, design, and construction.

Ecology will issue a total of \$5,000,000 in grants to local governments with the highest priority reclaimed water project proposals.

Program development

- Ecology's Water Quality Program staff quickly launched and continues to develop and implement this new initiative.
- Ecology used two taskforces compiled of internal and external clients and stakeholders and the Water Quality Program's Financial Assistance Council to help develop the FY 2008 Reclaimed Water Grants Program.

- Priority was given to projects in water short areas (defined by Ecology and others as areas where available freshwater cannot meet demands of intended uses) and areas where reclaimed water will restore important ecosystem functions in the Puget Sound.
- Staff introduced the preliminary program to attendees at the Pacific Northwest Regional conference, *Reclaimed Water: Tapping the New Resource*, on June 12, 2007. In mid July 2007 Ecology also introduced this preliminary program to attendees at workshops in Tacoma and Lynnwood, Washington.
- Staff posted the final application and funding guidelines on August 8, 2007, and provided information on Ecology's Reclaimed Water Funding website:
<http://www.ecy.wa.gov/programs/wq/funding/ReclaimedWaterGrants.htm>

Implementation Schedule

- During the application period, August 8 through September 28, 2007, a total of 23 applicants requested approximately \$17.5 million in grants for the completion of reclaimed water facilities projects.
- Ecology evaluators completed the scoring and ranking process of these projects in late November 2007.
- The Draft Offer and Applicant List will be posted on December 21, 2007.
- The three-week comment period is December 21, 2007, to January 11, 2008.
- After the three-week comment period ends, staff will prepare a Final Offer and Applicant List and send funding offer letters in late January 2008.
- Ecology's Project Management Team will use information found in the funding proposal as the basis for developing the funding agreement.
- Ecology anticipates all funded projects will begin by mid-2008.
- Feasibility assessments should be completed within one year, and construction projects completed within three years.

Funding provisions

The funding provisions were included as the staff, stakeholders, and others on the technical advisory taskforces and Financial Assistance Council developed the program. In all of Ecology's Water Quality Program funding programs, grant amounts are based on the **total eligible project cost** (TEC). The funding provisions and grant percentages for reclaimed water projects funded under this program are:

- No ceiling amount
- The target is to fund three to six high priority construction or design and construction (capital) reclaimed water projects
- Up to 20 percent of the funding set aside for feasibility studies. If the demand for high priority feasibility studies or capital facilities projects is low, funds may be used for the other project type
- 100 percent grant for feasibility assessments up to \$250,000, scaled to the scope of project and area
- 75 percent grant with 25 percent match for projects that provide a "very high" ecological benefit to the Puget Sound (see *Evaluation Criteria* in the Program Guidelines)
- 60 percent grant with 40 percent match for all other eligible projects

Evaluation criteria

Feasibility assessments were evaluated based on the ecological benefits and other criteria. These assessments were only evaluated against other feasibility assessments.

We have provided the following summary of evaluation criteria used below:

A. Overall quality of project proposed and likelihood of success (up to 200 points)

1. Scope of work (up to 150 points)
2. Budget (up to 50 points)

B. Actions required or recommended (up to 450 points)

1. Ecological benefit (up to 300 points):

- a. Water short areas had equal priority with restoration of ecosystem functions in Puget Sound. Projects were evaluated for their contributions to the bio-hydrology with up to 300 points available.
- b. Eligible project activities in water short areas or which address ecosystem functions stood on their own or complement activities in the other category for up to 300 points.

2. State and federal requirements (up to 150 points):

- a. Actions required under the Total Maximum Daily Load (TMDL) criteria such as minimum flows and dissolved oxygen, maximum temperature; federal and state water rights; and National Pollutant Discharge Elimination System (NPDES) permits and compliance orders.
- b. Actions recommended by watershed planning groups in approved Watershed Planning Act Plans.

C. Local interest and commitment (up to 200 points):

1. Project development process (up to 150 points)
2. Project team (up to 50 points)

D. Readiness to proceed (up to 150 points):

Capital facilities projects. Applicants were asked to explain their status of the applicant's Growth Management Act compliance, whether all match, land needed, environmental permits, etc., had been acquired. Applicants were also asked to estimate how long prerequisite steps will take to complete.

Feasibility assessments. Proposed projects must be ready to proceed soon after the offer list is distributed. Efforts such as public information and collaboration with other cities were used to demonstrate readiness. Feasibility assessments were evaluated independently of capital facilities projects.

All project proposals were evaluated on the merits of the entire project proposed. Therefore, for projects proposed to receive partial funding, the applicants must commit to completing the project, as proposed.

Three-week comment period

You may send written comments on the Draft Offer and Applicant List to the contact listed below. All comments must be received **no later than January 11, 2008 at 5:00 pm.**

Dan Filip
Department of Ecology
Water Quality Program
P.O. Box 47600
Olympia, WA 98504-7600

To obtain a copy of the evaluation scores and comments contact:

Shelly Eisenbarth
Department of Ecology
Water Quality Program
seis461@ecy.wa.gov
(360) 407-7039

What happens after the comment period?

Ecology will consider public comments as we complete the Final Offer and Applicant List. Ecology will post the Final Offer and Applicant List on the internet in late January 2008. At the same time, applicants will receive a letter informing them of their funding status.

If you have any questions about this funding program please contact:

Dan Filip
Department of Ecology
Water Quality Program
P.O. Box 47600
Olympia, WA 98504-7600
dfil461@ecy.wa.gov
360-407-6509

FY 2008 Reclaimed Water Grants Program Offer and Applicant List

Application Number	Applicant Name	Project Title	Rank	Score	Project Type	Grant Funds Requested	Proposed Funding Capital	Proposed Funding Feasibility	Foot notes
RW08018	Blaine, City of	Lighthouse Point Water Reclamation Facility (LPWRF)	1	1000	Construction	\$1,000,000	\$750,000		1, 2
RW08021	Mason County	Belfair / Lower Hood Canal Reclaimed Water Distribution	2	925	Design & Construction	\$1,500,000	\$1,500,000		3
RW08003	Coupeville Town of	Coupeville Reclaimed Water Feasibility Assessment	3	925	Feasibility Assessment	\$173,000		\$173,000	4, 5
RW08012	Sequim, City of	City of Sequim Water Reclamation Facility and Distribution Expansion	4	875	Design & Construction	\$5,000,000	\$827,453		2, 6
RW08002	Penn Cove Water and Sewer District	Penn Cove Water and Sewer District Reclaimed Water Reuse Feasibility Study	5	875	Feasibility Assessment	\$47,503		\$47,503	4, 5
RW08011	Skagit County	Big Lake Water Reclamation Facility	6	865	Feasibility Assessment	\$250,000		\$250,000	4, 5
RW08010	Karcher Creek Sewer District	Reclaimed Water Distribution System	7	825	Design & Construction	\$633,000	\$474,750		2
RW08005	Kitsap County	Kingston Wastewater Reclamation Final Feasibility	8	810	Feasibility Assessment	\$250,000		\$205,000	4, 5, 7
RW08016	Jefferson County	Pt. Hadlock UGA Sewer Design Development	9	800	Design	\$718,425	\$447,797		8, 9
RW08013	Silverdale Water District	West Dyes Inlet Water reclamation Facility Feasibility Study	10	780	Feasibility Assessment	\$250,000		\$250,000	4, 5
RW08004	Clallam County PUD#1	Carlsborg Reclaimed Water Reuse System	11	730	Feasibility Assessment	\$625,000		\$74,497	8, 10
RW08007	Lacey, City of	Woodland Creek Reclaimed Water Infiltration and Instream Flow Recharge Facility	12	700	Site Planning & Design	\$471,000	\$0	\$0	
RW08023	Tacoma, City of	City of Tacoma and Pierce County Reclaimed Water Feasibility Assessment	13	675	Feasibility Assessment	\$222,500	\$0	\$0	

FY 2008 Reclaimed Water Grants Program Offer and Applicant List

Application Number	Applicant Name	Project Title	Rank	Score	Project Type	Grant Funds Requested	Proposed Funding Capital	Proposed Funding Feasibility	Foot notes
RW08006	Shelton, City of	Johns Prairie Water Feasibility Study	14	665	Feasibility Assessment	\$199,500	\$0	\$0	
RW08017	Stanwood, City of	City of Stanwood Wastewater Treatment Plant Reclaimed Water Feasibility Study	15	650	Feasibility Assessment	\$184,034	\$0	\$0	
RW08022	Buckley, City of	City of Buckley Effluent Treatment for Reuse Feasibility Project	16	600	Feasibility Assessment	\$250,000	\$0	\$0	
RW08008	Bothell, City of	Bothell Reclaimed Water Project	17	515	Feasibility Assessment	\$190,000	\$0	\$0	
RW08009	Tukwila, City of	Foster Links Joint Reclaimed Water Project. City of Tukwila and King County Wastewater Treatment Division	18	510	Construction	\$182,250	\$0	\$0	
RW08014	Orting, City of	Orting Reclaimed Water Feasibility Assessment	19	500	Feasibility Assessment	\$250,000	\$0	\$0	
RW08020	Covington Water District	Sports Park for Amateur Recreation in King County	20	475	Feasibility Assessment	\$177,040	\$0	\$0	
RW08015	Bremerton, Port of	Kitsap Sustainable Energy & Economic Development (SEED)	21	375	Site Planning & Design	\$250,000	\$0	\$0	
RW08019	Arlington, City of	City of Arlington Wastewater Treatment Plant Upgrade and Expansion	22	350	Design & Construction	\$4,689,500	\$0	\$0	
RW08001	Jefferson County PUD#1	Chimacum Creek Reclaimed Water Feasibility Study	23	145	Feasibility Assessment	\$52,200	\$0	\$0	
Totals:						\$17,564,952	\$4,000,000	\$1,000,000	11

Footnotes:

1. The proposed grant amount is based on the total eligible project cost (TEC). The application showed a TEC for this project at \$1,000,000. The proposed grant funding has been adjusted to reflect a 75 percent grant (\$750,000) of the TEC.
2. A 75 percent grant with 25 percent match was established for projects that provide a “very high” ecological benefit to the Puget Sound. This project was considered to likely provide a “very high” ecological benefit.
3. The total eligible cost (TEC) in the application is \$3,179,260. However, only a \$1,500,000 grant amount was requested. Because the amount requested was less than 75 percent of the TEC, the project is eligible to receive the total amount requested.
4. A 100 percent grant was established for feasibility assessments up to \$250,000.
5. Up to 20 percent of the funds available set aside for feasibility studies.
6. The city of Sequim requested funds for design and construction but does not, as yet, have an approved engineering report. Under the Program Guidelines, the City can only request funding for the design portion. The total eligible cost (TEC) for design is \$1,103,270. The grant amount proposed is \$827,453. This amount represents a 75 percent grant based on the TEC for design.
7. The Kitsap County Feasibility Project for Kingston included some ineligible work. The cost of a regional recreation park well water right for \$45,000 is not eligible under this funding program. \$45,000 was subtracted from the amount requested to equal \$205,000. Therefore, the County is eligible to receive a 100 percent grant for the eligible portion of \$205,000.
8. All project proposals were evaluated on the merits of the entire project proposed. Therefore, projects proposed to receive partial funding, the applicants must commit to completing the project, as proposed.
9. Jefferson County requested funds for a design project in the amount of \$718,425. The amount requested exceeds the amount of funds remaining for capital projects. Ecology can only partially fund the project at \$447,797 because the project is near the funding cutoff line.
10. Clallam County PUD #1 requested funds for planning and design, but the project appears to be a feasibility assessment (limited to a grant of \$250,000). The \$250,000 amount requested exceeds the amount of funds remaining for feasibility assessment projects. Ecology can only partially fund the project at \$74,497 because the project is near the funding cutoff line.
11. The 2007 Legislature appropriated \$5,455,000 to the Department of Ecology (Ecology) to develop the Reclaimed Water Grants Program for the Puget Sound basin, manage grants issued to local governments, and provide technical assistance and review of planning, design, and construction. Ecology will issue a total of \$5,000,000 in grants to local governments with the highest priority reclaimed water project proposals.

**Fiscal Year 2008 Reclaimed Water Grants Program
Draft Offer and Applicant List
Project Descriptions**

Rank	Application Number	Applicant Name	Project Title
1	RW08018	Blaine, City of	Lighthouse Point Water Reclamation Facility (LPWRF)
A water reclamation facility using membrane bioreactor technology to produce Class A reclaimed water for seasonal irrigation of Semiahmoo Golf Course and off-season discharge into Puget Sound, complying with legal requirements to abandon the current plant and relocate treatment, achieving NPDES permit compliance, providing beneficial reuse, and re-opening shellfish beds.			
2	RW08021	Mason County	Belfair/Lower Hood Canal Reclaimed Water Distribution
This project involves distribution of Class A reclaimed water for irrigation and other uses in and around the Belfair UGA. An 18.5 million gallon equalizing storage facility will be constructed to support planned reuse more efficiently.			
3	RW08003	Coupeville, Town of	Coupeville Reclaimed Water Feasibility Assesment
The Town of Coupeville and partners will assess the feasibility of reclaiming stormwater and waste water effluent for the purpose of protecting Penn Cove a 303(d) listed water body and related endangered salmon and shellfish habitat as well as for reclaimed water re-use for irrigation of farmlands and groundwater recharge.			
4	RW08012	Sequim, City of	City of Sequim Water Reclamation Facility and Distribution Expansion
The Water Reclamation Facility Expansion more than doubles the volume and improves the reliability of the City's reclaimed water production for beneficial use in the water-short Dungeness watershed including flow augmentation in small streams, substitution of Dungeness River irrigation diversions, recharge to the shallow aquifer system, and recreational uses.			
5	RW08002	Penn Cove Water and Sewer District	Penn Cove Water and Sewer District Reclaimed Water Reuse Feasibility Study
Feasibility study to determine the costs, infrastructure requirements, environmental impacts and end user acceptance of using reclaimed water from Penn Cove Water and Sewer District's wastewater treatment plant for agricultural irrigation and aquifer recharge by limiting outfall discharge of treated sewage into Penn Cove except for emergencies and special circumstances.			
6	RW08011	Skagit County	Big Lake Water Reclamation Facility
Conduct feasibility study and preliminary design of enhanced treatment of municipal wastewater from Skagit County Sewer District #2 to allow discharge of reclaimed water to Nookachamps Creek to augment insufficient instream flows in Nookachamps Creek and the Lower Skagit River and to help alleviate high temperature in Nookachamps Creek.			
7	RW08010	Karcher Creek Sewer	Reclaimed Water Distribution System
The Reclaimed Water Distribution System project will construct the purple pipe system to provide Class A reclaimed water for stream flow augmentation of Karcher Creek to improve salmonoid habitat. Other available reclaimed water will be used for irrigation of a public park, public buildings and school sports fields.			
8	RW08005	Kitsap County	Kingston Wastewater Reclamation Final Feasibility
Identify modifications required to the existing Kingston WWTP and discharge to (1) improve low stream flow for Grovers Creek salmon (2) eliminate a Puget Sound outfall (3) create wetland habitat and (4) help provide needed water for a regional park by accomplishing the final feasibility tasks needed to move into subsequent design, permitting and construction phases.			
9	RW08016	Jefferson County	Pt. Hadlock UGA Sewer Design Development
Preliminary design of wastewater collection, water reclamation and groundwater infiltration systems in the Irondale/Port Hadlock UGA in Jefferson County. Class A reclaimed water will augment flows in Chimacum Creek and reclamation facility will replace aging, unreliable, septic systems on Port Townsend Bay. The project will protect threatened chum salmon and harvestable shellfish habitat. Key project elements are shown in the Project Site and Vicinity map attached to this application.			

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Rank	Application Number	Applicant Name	Project Title
10	RW08013	Silverdale Water District	West Dyes Inlet Water Reclamation Facility Feasibility Study
Evaluate feasibility of operating a membrane wastewater treatment facility within the SWD service area. Potential locations will be identified and screened based on ability to service homes currently on older septic systems and the subsequent use of the reclaimed water to alleviate low flows in the Chico Watershed salmon creeks.			
11	RW08004	PUD#1 of Clallam Co.	Carlsborg Reclaimed Water Reuse System
Reclaimed water reuse in Carlsborg would augment instream flow in this water short area, protect groundwater and reduce pollution loading to surface waters and Puget Sound. This grant would fund: Engineering reports per WAC 173-240-060, SEPA review and determination, Archeological and cultural review, other required tasks.			
12	RW08007	Lacy, City of	Woodland Creek Reclaimed Water Infiltration and Instream Flow Recharge Facility
Engineering design and supporting studies for a reclaimed water infiltration facility to be located on City owned property. The proposed project will provide the groundwork for construction of a regionally accepted facility that will provide enhancement of instream flow and address water quality issues in a salmon bearing stream.			
13	RW08023	Tacoma, City of	City of Tacoma and Pierce County Reclaimed Water Feasibility Assessment
The City of Tacoma and Pierce County will jointly investigate the feasibility of implementing a water reuse program in pierce County. Existing studies, including the Water Reuse Feasibility Study, 1994, will be the basis for an updated evaluation. The technical, economic and environmental feasibility of producing reclaimed water from within the service areas of three wastewater treatment plants located in urban Pierce County will be investigated. Potential markets for reclaimed water will be investigated and stakeholder outreach will occur.			
14	RW08006	Shelton, City of	Johns Prairie Water Feasibility Study
The project entails the preparation of a feasibility study to evaluate potential uses for reclaimed water and the associated costs, benefits, and risks to the City related to producing and providing reclaimed water for those purposes throughout the Shelton UGA, and in particular to the Johns Prairie area.			
15	RW08017	Stanwood, City of	City of Stanwood Wastewater Treatment Plant Reclaimed Water Feasibility Study
This study will assess the feasibility of treating a portion of the City of Stanwood's wastewater treatment plant effluent to high grade reclaimed water for reuse. This water would be used to directly and indirectly augment threatened wildlife habitats such as Church Creek, the Old Stillaguamish River and Port Susan Bay.			
16	RW08022	Buckley, City of	City of Buckley Effluent Treatment for Reuse Feasibility Project
The City of Buckley would like to reclaim and further treat to class A reuse standards a portion, initially up to 500,000 gpd, of the effluent from the upgraded waste water treatment facility for irrigation of parks, schools, open spaces, and agricultural areas. The purpose of this proposal is to seek funds to determine feasibility of reclamation, especially public acceptance.			
17	RW08008	Bothell, City of	Bothell Reclaimed Water Project
Conduct feasibility study to supply reclaimed water for irrigation of two business parks, industrial use at the Seattle Times production facility, dual plumbing system conversions in service areas, wetlands irrigation, and cooling and dual plumbing uses by University of Washington and portions of a business park.			

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Rank	Application Number	Applicant Name	Project Title
18	RW08009	Tukwila, City of	Foster Links Joint Reclaimed Water Project. City of Tukwila and King County WWT Division
Permit and construct 500 feet of reclaimed waterline from an existing trunkline to an existing impoundment at Foster Links Golf Course. Project includes wiring, telemetry and appurtenances. Included is a program of soil and water monitoring and public outreach/education. This project will, over time, eliminate withdrawals from the Green River.			
19	RW08014	Orting, City of	Orting Reclaimed Water Feasibility Assessment
Preparation of a Reclaimed Water Feasibility Study outlining the steps necessary for the City of Orting to produce Class A Reclaimed Water for the purposes of providing a reliable non-potable water supply for non-potable uses while improving the quality and reducing the quantity of treated wastewater discharges to Puget Sound.			
20	RW08020	Covington Water District	Sports Park for Amateur Recreation in King County
An enhanced Facilities Plan for the Sports Park for Amateur Recreation in King County (SPARKS) project's wastewater treatment and disposal. The SPARKS project will use a membrane bioreactor wastewater treatment system to produce Class A reclaimed water, to be used for landscape and rain garden irrigation as well as maintenance of basin hydrology.			
21	RW08015	Bremerton, Port of	Kitsap Sustainable Energy & Economic Development (SEED)
Final engineering of Kitsap SEED's water re-use component, using advanced bio-reactor/membrane filtration technologies which recycle and clean waters infiltrating (no piped or overland flow) from project site to groundwater, into the Union River Basin. By mimicking natural hydrology, it provides a model for addressing existing problems and resource sustainability.			
22	RW08019	Arlington, City of	City of Arlington Wastewater Treatment Plant Upgrade and Expansion
The City of Arlington is upgrading its wastewater treatment plant to produce effluent of reclaimed water quality. This will enable the plant's discharge to meet the Stillaguamish River TMDL requirements, improve Puget Sound water quality, support Port Susan's shellfish bed restoration, and expand water management opportunities in the Stillaguamish basin.			
23	RW08001	PUD #1 of Jefferson County	Chimacum Creek Reclaimed Water Feasibility Study
A feasibility study for the collection, treatment and reclaiming of septic effluent for the Port Hadlock/ Irondale area of Jefferson County. The study will address the removal and reclaiming of septic effluent potentially polluting Port Townsend, Port Hadlock and Chimacum Creek. Cost, financing and public support will be stressed in the study.			