



GR0021 09

OREGON WATER RESOURCE DEPARTMENT
WATER CONSERVATION, REUSE AND STORAGE
GRANT PROGRAM

RECEIVED

I. Grant Information

SEP 03 2008

Project Name: Tigard - Area Water Reuse Study

WATER RESOURCES DEPT
SALEM, OREGON

Type of Grant Requested: Water Conservation Reuse Above Ground Storage
 Storage Other Than Above-Ground [Including Aquifer Storage and Recovery (ASR)]

Program Funding Dollars Requested: \$ \$70,000 Total cost of planning study: \$ \$142,000

Note: Request may not exceed \$500,000

II. Applicant Information

Applicant Name: <i>City of Tigard</i>	Co- Applicant Name: <i>Clean Water Services</i>
Organization: <i>City of Tigard</i>	Organization: <i>Clean Water Services</i>
Address <i>13125 SW Hall Blvd.</i> <i>Tigard, OR 97223</i>	Address: <i>2550 SW Hillsboro Hwy</i> <i>Hillsboro, OR 97123</i>
Phone <i>503-639-4171</i>	Phone: <i>503-681-3600</i>
Fax: <i>503-684-7297</i>	Fax: <i>503-681-3600</i>
Email: <i>dennis@tigard-or.gov</i>	Email: <i>kebbes@cleanwaterservices.org</i>

Fiscal Officer Name: <i>loreen Mills, Interim Finance Director</i>	Principle Contact: <i>Steve Kebbe, P.E.</i>
Organization: <i>City of Tigard</i>	Organization: <i>Clean Water Services</i>
Address: <i>13125 SW Hall Blvd.</i> <i>Tigard, OR 97223</i>	Address: <i>16060 SW 85th Avenue</i> <i>Tigard, OR 97224</i>
Phone: <i>503-718-2417</i>	Phone: <i>503-547-8198</i>
Fax: <i>503-684-7297</i>	Fax: <i>503-547-8196</i>
Email: <i>loreen@tigard-or.gov</i>	Email: <i>kebbes@cleanwatersevicecs.org</i>

Certification:

I certify that this application is a true and accurate representation of the proposed work for a project planning study and that I am authorized to sign as the Applicant or Co-Applicant. By the following signature, the Applicant certifies that they are aware of the requirements of an Oregon Water Resources Department grant and are prepared to implement the project if awarded.

Applicant Signature: *Elizabeth Newlin* Date: *8/29/08*
Print Name: *Elizabeth Newlin* Title: *Assistant City Manager*

III. Planning Study Summary

Please give a brief summary of the planning study using no more than 150 words.

Evaluate the feasibility of expanding the reuse of effluent from Clean Water Service's 21 mgd Durham Advanced Wastewater Treatment Facility to serve the City of Tigard downtown area and reduce demands on Fanno Creek, a tributary to the Tualatin River that is impacted by low summertime flows. The planning study would identify the potential demand for reuse water in Tigard, identify benefits and impacts of withdrawing additional effluent from the Tualatin River, identify the capital improvements needed to deliver reuse water to meet the demand, identify operational and maintenance costs associated with identified capital improvements, identify public acceptance issues that must be addressed in order to implement a successful reuse program in a downtown area, and identify opportunities to use reuse water to offset irrigation withdrawals during the summer, thus restoring Fanno Creek summertime flows.

The City of Tigard has some water rights on Fanno Creek. There are other, more senior water rights on Fanno Creek upstream of the City of Tigard that may also be able to use reuse water to offset current irrigation withdrawals.

Section A. Common Criteria

Instructions: Answer all questions in this section by typing the answer below the question. It is anticipated that completed applications will result in additional pages.

1. Describe how the planning study will be performed. Include:
 - a. A description of the planning schedule/timeline, which includes identifying all key tasks. (Section VI provides an opportunity for a “graphical” representation of the schedule.)

Task 1 – Select and award consultant contract

Task 2 - Kickoff Meeting

Task 3 - Establishment of Tigard Citizens Involvement Committee to act as a sounding board for assessing reuse opportunities and identifying potential public acceptance issues that need to be addressed.

Task 4 - Planning charette with the Citizens Involvement Committee, City and Clean Water Services staff and planning study team to brainstorm opportunities for reuse and how to maximize the benefit of using reuse water in the Tigard downtown area.

Task 5 - Technical evaluation of available reuse water; opportunities for reuse in the Tigard area, including the Green Corridor/Urban Creek identified in the "Tigard City Center Urban Renewal Plan"; identification of potential alternatives; and the necessary capital improvements to deliver reuse water to meet the identified demand.

Task 6 - Technical evaluation of the potential impacts of reuse on Tualatin River water quality and downstream water rights.

Task 7 - Identification and prioritization of opportunities to use reuse water to offset irrigation withdrawals and restore natural summertime flows in Fanno Creek.

Task 8 - Conceptual design of a corridor for an urban creek potentially extending from the intersection of Hwy 99W and Hall Boulevard through downtown Tigard and into Fanno Creek. Key components may include bio-swales, native vegetation, pervious pavement, and other low impact stormwater conveyance/treatment features. Task includes planning level design, land acquisition, and construction cost estimates for a corridor or a defined width.

Task 9 - Workshop to review alternatives and the technical evaluation and development of a recommended reuse program.

Task 10 - Development of an implementation plan that identifies (1) a funding strategy and schedule for implementation for proposed improvements, (2) ongoing public involvement and stakeholder activities necessary for successful project implementation, and (3) any federal, state, and local permits necessary for project implementation.

Task 11 - Identify federal, state, and local permits required for implementation of the various projects identified in the plan.

Task 12 - Identify potential funding sources for implementation of the various project identified in the plan.

- b. When the planning study could begin.

The planning study could begin within one month of funding. The City of Tigard and Clean Water Services both have the political support to complete the study, a strong interest in improving the health of Fanno Creek, and community support for expanding reuse within the Tualatin River basin.

2. Provide a description of the relevant professional qualifications and/or experience of the person(s) that will play key roles in performing the planning study. If the personnel have not been decided upon, include a description of the professional qualifications and/or experience of the person(s) you anticipate will play key roles in performing the planning study.

The planning effort will have extensive involvement from Clean Water Services engineering, operations, and planning staffs. Additionally, the City of Tigard has been using reuse water on park facilities near the Durham AWWTF and is familiar with the water quality and local public interest in using reuse water to reduce demands on Tigard's limited potable water supply.

It is anticipated that Clean Water Services and Tigard engineering, operations, and planning staff will be supported by a professional engineering consultant with expertise in the production, conveyance, and usage of reuse water. In addition to engineering expertise in water reuse, professional support would be needed in the fields of landscape architecture and public involvement. The landscape architect would play a key role in the conceptual design of the proposed Urban Creek connecting to Fanno Creek within downtown Tigard. The role of the public involvement professional would be to facilitate public involvement and outreach activities.

Clean Water Services has been producing reuse water for irrigation purposes within the Cities of Tigard and Durham since 1984. The staff has extensive expertise in the production, usage constraints, public health protection measures, public acceptance issues, and costs associated with wastewater reuse.

3. What local, state or federal project permitting requirements/issues do you anticipate in order for the planning study to be conducted?

The City of Tigard and Clean Water Services have reviewed local, state, and federal requirements and determined no permits or approvals are necessary to conduct the proposed study.

4. Are permits/governmental approvals required for the planning study? If yes, indicate whether you have obtained the necessary permits/governmental approval. If you have not obtained the necessary permits/governmental approval, describe the steps you have taken to obtain them.

The City of Tigard and Clean Water Services have reviewed local, state, and federal requirements and determined no permits or approvals are necessary to conduct the proposed study.

5. Describe your goal (which must be based on evaluating the feasibility of developing a water conservation, reuse or storage project) and how this study helps to achieve the goal.

Goal is to expand the reuse of wastewater treatment plant effluent to: enhance a proposed "urban stream" indentified as a project in the Tigard City Center Renewal Plan, improve the liveability of the Tigard downtown core, and augment the flow of Fanno Creek.

6. Describe the technical aspects of the planning study and why your approaches are appropriate for accomplishing the goal of the planning study.

The technical approach has been developed to identify the opportunities and potential impediments to expanding the use of reuse water to offset irrigation withdrawals in Fanno Creek and to use reuse water to enhance the livability of the Tigard downtown area.

The technical team will:

- evaluate the potential demand for reuse water within the planning area. This information will be summarized in a technical memorandum.*
- evaluate the potential opportunities to use reuse water to offset Fanno Creek irrigation withdrawals and restore dry season stream flows. Also develop potential options available to the City to realize those opportunities. This evaluation will be summarized in a technical memorandum.*
- identify the required water delivery infrastructure improvements and associated cost necessary to meet the identified demand and opportunities. This information will be summarized in a technical memorandum.*
- assess, using existing water quality modeling tools if necessary, the potential impact on downstream water quality in the Tualatin River from reuse alternatives. Also assess potential impacts of reuse alternatives on water rights downstream of the Durham Advanced Wastewater Treatment Facility Discharge if discharge is reduced through reuse of the water in the planning area. This assessment will be summarized in a technical memorandum.*

The other potential impediment to expanded reuse in the City of Tigard is public acceptance. The planning study will work with stakeholders and the public to identify opportunities, costs, and risks associated with expanded use of reuse water. The technical team will support this public process through their evaluations. There is currently strong support for expanding the use of reuse water within Tigard to reduce demands on the potable water supply system and to improve the livability of the City. The public process will build on this already established foundation of support.

In summary, the study will provide the technical information needed to clarify the benefits and public acceptance of water reuse projects in the downtown and other areas. Technical information will include design, land, and construction costs associated with conveyance facilities and proposed reuse projects. It also includes on-going operation and maintenance costs. Costs and benefits will be identified in sufficient detail to enable informed policy decisions regarding the feasibility of potential water reuse projects.

7. Describe the level of involvement, interest and/or commitment of different entities associated with the planning study (attach letters of support). Describe how these entities will benefit or be impacted by the planning study.

The major entities involved in the study are the City of Tigard, Clean Water Services, and the Downtown Association. The two public entities identified have agreed to provide matching dollars for the study. Letters of commitment are attached to the back of this application. Clean Water Services owns and operates the Durham Advanced Wastewater Treatment Facility. Its major interest in the project relates to the project's potential in reducing potable water use and in augmenting summertime flow in Fanno Creek. The City of Tigard has a major interest in water conservation and in implementing a plan for the revitalization completed for Tigard's downtown area and adopted in 2005. This plan gives special prominence to greenspace throughout the

downtown, including the preservation and enhancement of Fanno Creek and the creation of a water feature or "urban creek" that flows through the downtown and into Fanno Creek. The Downtown Association is an interested party and its members would benefit from the growth and investment associated with a revitalized downtown. The City of Tigard and Clean Water Services will be joint partners in the study. The City will manage the study, with the district and consultants providing technical planning assistance and reuse expertise.

Section B. Unique Criteria

Instructions: Answer the set of questions below that applies to the type of planning study that this grant will fund.

Water Conservation or **Reuse**

1. Water Conservation or Reuse projects that may result from this planning study are requested to be included in the Water Resources Department's "Inventory of Potential Conservation Opportunities". Though you may have already submitted this information earlier in the year through a separate survey, we ask that all applicants complete the information on the form provided at the end of this application.
 I have filled out the application or I have not filled out the application.

2. Describe the water supply need(s) that the project associated with the planning study is intended to meet. Applicant should reference supporting documentation that would be available upon request.
The "Joint Lake Oswego/Tigard Water Supply System Analysis" was completed in 2007. Table 11 on Page 21 of Technical Memorandum 1 summarizes the water supply demands for Tigard, Lake Oswego, and neighboring areas.

The 2005 Average Day Demand (ADD) for water in Tigard alone was 6.0 mgd. Peak Day Demand (PDD) was 13.4 mgd. Projected 2030 ADD is 7.6 mgd. Projected 2030 PDD is 15.8 mgd. The intent would be to use reuse water to reduce the impact of the PDD on the Lake Oswego/ Tigard potable water treatment and supply system.

Much of the PDD is used for landscape irrigation during low rainfall, high temperature periods in the summer. Opportunity may exist to reduce PDD on the supply system.

Whereas offsetting irrigation withdrawals from Fanno Creek would potentially have little or no impact on downstream water rights on the Tualatin, using reuse water to offset potable water usage could have potential impacts on downstream water rights. If opportunities exist to reduce demand on the potable water supply, the technical planning team will evaluate the potential impact on Tualatin River water rights downstream of the Durham AWWTF discharge as part of the planning study.

3. Explain how the associated project will mitigate the need to develop new water supplies and/or use water more efficiently. Reference documentation and/or examples of the success of similar or comparable water conservation/reuse projects that would be available upon request.

The use of reuse water could increase flow in Fanno Creek by reducing withdrawals for irrigation purposes. It also could reduce potential demand for portable water potentially associated with the implementation of projects, such as the urban stream and urban green spaces, intended to increase the livability and attraction of the downtown area. The theme of the downtown redevelopment effort is sustainability. The feasibility study will assist in identifying opportunities for mitigating the increased water supply needs associated with downtown growth and redevelopment.

4. Explain how the project associated with the planning study will meet the water supply need(s), and indicate what percentage of that need will be met. (For example: If your water supply need is 20,000

acre-feet of additional water and the project will supply 10,000 additional acre-feet, 50% of your need will be met).

Determining water supply need is part of the study work scope. No potable water would be used to meet the identified need.

5. Provide data and information on the associated project and the project's sources of water supply:
 - a. The location of the associated project. (Include the basin, county, township, range and section.)

The location of the associated project is in the Tualatin Basin in Washington County. The project will be within Township 2S, Range 1W, and largely within Sections 11 and 14. Fanno Creek discharges to the Tualatin River at River Mile 9.3
 - b. The name(s) and river mile(s) of the source water and what they are tributary to, if applicable.

The Durham Advanced Wastewater Treatment Facility discharge is at River Mile 9.2 on the Tualatin River. This is the source water for reuse.
 - c. Environmental flow needs and water quality requirements of supply source water bodies and water bodies downstream of associated and/or affected return flows.

Fanno Creek is measured at the USGS Durham gage. The low stream flow in Fanno Creek is 1 cfs, measured in September 2001. The monthly mean flow is frequently less than 5 cfs during July and August. The low flows in Fanno Creek contribute to higher stream temperatures. The monthly mean stream temperature in Fanno Creek in July and August is approximately 20 degrees Celsius. This exceeds the criteria temperature of 18 degrees Celsius established to protect cold water fish migration and rearing. Additional flow in Fanno Creek would improve the temperature regime and the health of the creek during the summer season.
 - d. Reliance on return flows by downstream water right holders.

Fanno Creek discharges at approximately the same location on the Tualatin River. The intent is to use reclaimed water to offset irrigation and other water withdrawals in Fanno Creek, leaving natural water in the creek and using reuse water for irrigation and other purposes. For this reason, downstream water rights on the Tualatin River, dependent upon the Durham AWWTF discharge, should not be impacted by the reuse within the Fanno Creek basin. If the study considers options that potentially could diminish flow in the Tualatin River downstream of the Durham AWWTF, the evaluation will include the potential impacts on downstream water quality and downstream water right holders.

Match Funding Information

Applicants must demonstrate a minimum dollar-for-dollar match based on the total funding request. The match may include a) secured resources, b) previously expended resources, and/or c) pending resources. For secured funding, you must attach a letter of support from the match funding source that specially mentions the dollar amount shown in the "Amount/Dollar Value" column. For pending resources, documentation showing a request for the matching funds must accompany the application. For resources that have been previously expended, the expenditure must have occurred on or after July 1, 2005. Resources expended prior to July 1, 2005 are not eligible for match purposes.

The Type of matching funds may include:	The Status of matching funds may include:
<ul style="list-style-type: none"> The value of in-kind labor, equipment rental and materials essential to the planning study provided by the applicant or partner*. 	<ul style="list-style-type: none"> Secured funding commitments from other sources.
<ul style="list-style-type: none"> Cash is direct expenditures made in support of the planning study by the applicant. 	<ul style="list-style-type: none"> Associated and documented expenditures for the planning study from non-program sources incurred on or after July 1, 2005.
	<ul style="list-style-type: none"> Pending commitments of funding from other sources. In such instances, Department funding will not be released prior to securing a commitment of the funds from other sources. Pending commitments of the funding must be secured within 12 months from the date of the award.

*"Partner" means a non-governmental or governmental person or entity that has committed funding, expertise, materials, labor, or other assistance to a proposed planning study. OAR 690-600-0010.

Match Funding Source (if in-kind, briefly describe the nature of the contribution)	Type (✓ One)	Status (✓ One)	Amount/ Dollar Value	Date Match Funds Available (Month/Year)
<i>City of Tigard</i>	<input checked="" type="checkbox"/> cash <input type="checkbox"/> in kind	<input type="checkbox"/> secured <input type="checkbox"/> expended <input checked="" type="checkbox"/> pending	\$30,000	<i>January 09</i>
<i>Clean Water Services</i>	<input checked="" type="checkbox"/> cash <input type="checkbox"/> in kind	<input type="checkbox"/> secured <input type="checkbox"/> expended <input checked="" type="checkbox"/> pending	\$30,000	<i>January 09</i>
<i>City of Tigard, Project Administration</i>	<input type="checkbox"/> cash <input checked="" type="checkbox"/> in kind	<input type="checkbox"/> secured <input checked="" type="checkbox"/> expended <input type="checkbox"/> pending	\$6,250	<i>January 09</i>
<i>Clean Water, Technical Assistance and Reuse Expertise</i>	<input type="checkbox"/> cash <input checked="" type="checkbox"/> in kind	<input type="checkbox"/> secured <input type="checkbox"/> expended <input type="checkbox"/> pending	\$6,250	<i>January 09</i>
	<input type="checkbox"/> cash <input type="checkbox"/> in kind	<input type="checkbox"/> secured <input type="checkbox"/> expended <input type="checkbox"/> pending		
	<input type="checkbox"/> cash <input type="checkbox"/> in kind	<input type="checkbox"/> secured <input type="checkbox"/> expended <input type="checkbox"/> pending		
	<input type="checkbox"/> cash <input type="checkbox"/> in kind	<input type="checkbox"/> secured <input type="checkbox"/> expended <input type="checkbox"/> pending		
	<input type="checkbox"/> cash <input type="checkbox"/> in kind	<input type="checkbox"/> secured <input type="checkbox"/> expended <input type="checkbox"/> pending		
	<input type="checkbox"/> cash <input type="checkbox"/> in kind	<input type="checkbox"/> secured <input type="checkbox"/> expended <input type="checkbox"/> pending		
	<input type="checkbox"/> cash <input type="checkbox"/> in kind	<input type="checkbox"/> secured <input type="checkbox"/> expended <input type="checkbox"/> pending		

Project Planning Study Schedule

Estimated Project Duration: January 2009 to December 1, 2009

Place an "X" in the appropriate column to indicate when each element (key task) of the project will take place.

Project Planning Study Element (Key Tasks)	2009				2010				2011 & Beyond
	1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr	1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr	
1. Select and award consultant contract	X								
2. Kickoff meeting	X								
3. Establish citizens advisory committee	X								
4. Planning charrette	X								
5. Tech evaluation of reuse opportunities		X							
6. Tech evaluation of Tual River impacts		X							
7. Tech evaluation of opportunities to offset irrigation wd			X						
8. Workshop to review alternatives			X						
9. Develop implementation Plan				X					
10. Identify permit requirements					X				
11. Identify funding sources					X				

Request to be added to the Oregon Water Resources Department's
Inventory of Potential Conservation Opportunities

The purpose of this inventory is to catalogue potential conservation projects that water users themselves have identified but not yet pursued because of financial, institutional, or other barriers. For the purpose of this application, water storage other than above-ground are included as conservation opportunities and are most likely capital conservation projects.

As a water provider or user, you know your water demands and water conservation opportunities better than anyone. We would appreciate your assistance with this important data collection effort by completing this survey. Your participation will help provide the building blocks we need to begin to identify and achieve potential future water supplies. Please answer the questions as completely as possible, to the best of your ability. We appreciate your help with this important effort.

This inventory of already-identified, potential conservation projects includes both capital and programmatic projects. Capital projects are defined as one-time, large investments resulting in water savings. Examples include reclaimed water plants, reservoir covering, transmission line upgrades reducing leaks, or industrial engineering modifications to re-use process water. Programmatic projects are defined as ongoing investments resulting in water savings. Examples include facilitating upgrades to more efficient water using devices (e.g., distributing free showerheads, toilet rebates) and distribution system leak detection programs. The conservation inventory is primarily intended to include “planned” projects rather than projects that are currently being implemented. However, currently active programmatic projects may be listed if they will continue or expand in future years. The inventory of projects submitted will be compiled by county or basin.

Examples are provided below.

	Example Capital Conservation Project	Example Programmatic Conservation Project
Project Description Provide brief sentence	Line 3 miles of unlined ditch.	Toilet rebate program for residential customers
Estimated Future Savings Provide brief sentence, including information regarding savings seasonality.	20 acre feet of water per year	If we spend our full budget each year, we estimate 50,000 gallons of water save per year
Seasonality Indicate what part of the year savings are generated (e.g. year-round; summer only; etc.).	Peak (irrigation) season savings.	Savings should occur throughout the year.
Estimated Future Costs Provide brief sentence.	\$500,000 total project costs.	\$40,000 a year.
Implementation Schedule Provide brief sentence.	Not set. Have conducted cost and savings estimate, but still seeking funding.	We started the program in 2005 and plan to implement until 2015.
Project Funded? Designate either “yes”, “no”, or provide brief sentence if necessary	No. Pursuing grant funding.	Yes. IN our CIP through the next 5 years.

To add a project to the inventory of potential conservation opportunities, please provide the following information for each conservation project.

This is a <input type="checkbox"/> Capital Conservation Project <input checked="" type="checkbox"/> Programmatic Conservation Project	
Project #/Name	Revise Water Rate Schedule to Incorporate Inclined Rate Blocks
Project Description	Discourage high use through adoption of an escalating per unit cost rate structure
Estimated Future Savings	\$200,000
Seasonality	Summer
Estimated Future Costs	\$50,000
Implementation Schedule	2009
What are the barriers to implementation, e.g. funding?	None at this time
This is a <input checked="" type="checkbox"/> Capital Conservation Project <input type="checkbox"/> Programmatic Conservation Project	
Project #/Name	Wasterwise Demonstration Garden
Project Description	Construct garden incorporating practices and techniques deigned to minimize water needs
Estimated Future Savings	\$250,000
Seasonality	Year round
Estimated Future Costs	\$300,000
Implementation Schedule	2010
What are the barriers to implementation, e.g. funding?	Funding

- Include this form with your application -



August 28, 2008

Oregon Water Resources Department
Attention: Bob Rice
725 Summers Street NE, Suite A
Salem, Oregon 97301

Re: Water Conservation, Reuse and Storage Grant Application

Dear Mr. Rice

The City of Tigard is a co-applicant with Clean Water Services for a 2008 grant to evaluate the potential of reuse of effluent from a local wastewater treatment facility. The effluent would be used for water feature developments involved in our downtown redevelopment area and used to reduce irrigation withdrawal from Fanno Creek to improve summer flow and temperature problems. The City has pledged a match of \$30,000 that would be available in January 2009, should we receive the grant.

Please accept this letter as the City's commitment to provide the match should we be awarded the grant.

Sincerely,

A handwritten signature in black ink that reads "Elizabeth A. Newton". The signature is written in a cursive, flowing style.

Elizabeth A. Newton, Assistant City Manager

for Craig Prosser, City Manager

CleanWater Services

August 28, 2008

Robert D. Rice
Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, OR 97301

Subject: Water Conservation, Reuse and Storage Grant Program

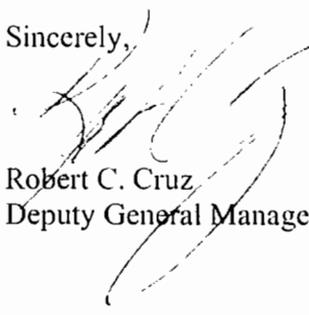
Dear Mr. Rice:

Clean Water Services (District) is a co-applicant with the City of Tigard for a water reuse grant under the referenced program.

The purpose of this letter is to express to the Oregon Water Resources Department the District's commitment to fund up to \$30,000 for the subject planning study. That is, the planning study will evaluate the feasibility of expanding the reuse of effluent from Clean Water Service's 21-million gallon per day Durham Advanced Wastewater Treatment Facility to serve the City of Tigard downtown area and reduce demands on Fanno Creek, a tributary to the Tualatin River that is impacted by low summertime flows.

Should you have any questions regarding this matter, please do not hesitate to contact me.

Sincerely,



Robert C. Cruz
Deputy General Manager



August 28, 2008

City of Tigard
Attn: Duane Roberts
13125 SW Hall Boulevard
Tigard, Oregon 97223

Subject: Water Conservation, Reuse and Storage Grant
Oregon Water Resource Department

Duane,

The Tigard Central Business District Association (TCBDA) herein advises of its support for the study to be undertaken to evaluate the feasibility of expanding the reuse of effluent from Clean Water Services, Tigard, Oregon to serve the City of Tigard downtown area.

Wherein the City of Tigard citizens have given their support to improve and revitalize downtown Tigard by approving an Urban Renewal Plan (2006), supported by the Tigard Downtown Improvement Plan (2005), it is imperative that the City consider all opportunities to accomplish the goals of our downtown improvement in accordance with the plans. During the development of the plans, the citizens recognized the importance of capitalizing on our environmental assets and incorporating as much environmentally friendly designs as possible. Fanno Creek and the Fanno Creek Park through which it flows is an "anchor" for the improved downtown commercial area. The plans call for an "urban creek" water feature extending the length of the downtown, terminating at Fanno Creek. The improved streets will focus on run-off filters and other environmentally friendly attributes. With the new commercial development that is expected, there will be landscape requirements that will in turn require irrigation accommodations.

With the conceptual design of the downtown plans calling for an "urban village" that is pedestrian friendly, there is also the desire that wherever possible, the downtown maintain as much "green" and park-like settings as possible.

August 28, 2008
City of Tigard
Attn: Duane Roberts

Projects such as those defined in the plans require time and money. For the sake of efficiency of all required resources, it is important that the City study the projects from all perspectives, evaluate the reasonableness of the projects, and identify all of the tasks to accomplish the projects. As the City of Tigard and Clean Water Services partner to consider the possibilities, it is exciting to realize that some of those possibilities may one day be realities.

Again, the Tigard Central Business District Association encourages and supports the City of Tigard and its partner, Clean Water Services, to perform the study to be undertaken to evaluate the feasibility of expanding the reuse of effluent from Clean Water Services, Tigard, Oregon to serve the City of Tigard downtown area. We look forward to our members being able to participate in the study.

Sincerely,

A handwritten signature in cursive script that reads "Michael J. Stevenson".

Michael J. Stevenson
President



Portland Golf Club

August 28, 2008

Mr. Steve Kebbe
Clean Water Services
Treatment Plant Services
16060 Southwest 85th Avenue
Tigard, OR 97224

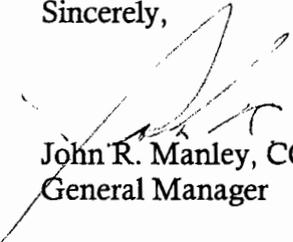
Re: Recycled Wastewater

Dear Steve:

The purpose of this letter is to again express our strong interest in pursuing an agreement with Clean Water Services for recycled wastewater for irrigation purposes for our golf course.

Harry Reeder will continue to be the club's liaison with your agency. Please keep Harry informed of opportunities that would benefit both parties in our pursuit to get new irrigation sources for our golf course.

Sincerely,



John R. Manley, CCM
General Manager

Cc: Harry Reeder



PORTLAND PARKS & RECREATION

Healthy Parks, Healthy Portland

MEMORANDUM

Date: September 2, 2008
To: Water Resources Department
CC:
From: John Van Vactor
Re: Water Reuse Study

This is to express our support for the joint City of Tigard/Clean Water Services application for Water Conservation, Reuse and Storage Grant Funds to partially finance the Tigard-Area Water Reuse Study.

RedTail Golf Course is highly interested in the results of the study and especially in the potential for replacing potable water with reuse water as an irrigation source for our golf course.

Sincerely,

John Van Vactor
Superintendent, RedTail Golf Course
503-823-4651

Administration
1120 SW 5th Ave., Suite 1302
Portland, OR 97204
Tel: (503) 823-PLAY Fax: (503) 823-6007

Zari Santner, Director
www.PortlandParks.org

Sustaining a healthy park and recreation system to make Portland a great place to live, work and play.