

Oregon Water Resources Department
Water Conservation, Reuse and Storage Grant Program
Evaluation for September 2, 2008 Applications

APPLICANT:	City of Cottage Grove		
STUDY TYPE:	Reuse		
APPLICATION NO.:	GR0001 09		
STUDY NAME:	Cottage Grove Effluent Re-Use Feasibility Study		
BASIN:	Willamette	WRD DISTRICT:	2
WRD FUNDS REQUESTED:	\$24,500	TOTAL COST:	\$49,500

APPLICATION DESCRIPTION:

The City of Cottage Grove recently completed an \$11 million upgrade to their wastewater treatment system. In an effort to further reduce water quality impacts of its wastewater treatment facility, the City would like to study the feasibility of re-using a significant portion of its treated effluent from its wastewater treatment system for irrigation purposes. The treated effluent is currently released directly into the Coast Fork of the Willamette River. Potential users of the irrigation water would be Middlefield Golf Course, several City parks and the planned 14-acre Bohemia Park, which plans to include a significant water feature. In addition to the water quality benefits of not releasing the treated effluent into the Coast Fork of the Willamette River, the City would also see a reduced demand on its municipal water supply, which is drawn from Row River, Layng Creek and Prather Creek.

The wastewater treatment facility has a design average dry-weather flow of 1.8 million gallons per day (MGD) while the design average wet-weather flow is 3.5 MGD. The treatment plant produces Class A reclaimed water. The reduced demand would be calculated as part of the feasibility study, but the maximum effluent available for irrigation during the summer months would be approximately 1.5 MGD.

APPLICATION REVIEW TEAM EVALUATION:

The Application Review Team found this to be a well written application with good local support and a strong economic development/community benefit component. All planning study elements were appropriate for achieving a well-articulated goal. The City has already received a commitment from the golf course to use reuse water and has initiated discussions with the Oregon Department of Transportation for potentially using reuse water for irrigation needs.

The study is a priority for funding under SB 1069 because it is identified on the Department's statewide water assessment and inventory of potential conservation opportunities. The study could begin on January 1, 2009 and be completed by December 31, 2009.

Application Review Team Funding Recommendation: Do Fund: High Priority at \$24,500.

COMMENTS:

None received.

STAFF RECOMMENDATION:

Do Fund at \$23,275.

The staff recommendation reflects a 5 percent across the board funding reduction on all studies.

Commission Action:

On December 5, 2008, the Water Resources Commission took action to:

“Release funding to all feasibility study applicants the Commission authorized at its’ November 20 meeting, at a level representing 95% of staff recommendations, and move forward with grant agreement negotiations and signatures.”

This feasibility study received an award amount of \$22,111.