

CAPITAL IMPROVEMENT PROGRAM
City of Missoula CIP Project Request Form FY 2010-2014

Program Category:								Project Title:				08 Project #	09 Project #	10 Project #
Wastewater Facilities								Wastewater Facility Headworks Replacement					WW-02	WW-04
<p align="center">Description and justification of project and funding sources:</p> <p>The treatment plant headworks is the structure that receives raw wastewater from the collection system and mechanically removes inorganic debris for disposal. Replacement of this structure is recommended for the following reasons:</p> <ol style="list-style-type: none"> 1. The headworks structure has been in service since 1984. This structure has a very corrosive environment and much of the infrastructure such as support beams, gratings and fixtures must be replaced within the next two years. 2. The 2001 Predesign Report for the Wastewater Treatment Plant Upgrade identifies the headworks structure as the first process that will require an upgrade for future increase in design capacities. 3. The 2006 Montana Pollution Discharge Elimination System discharge permit requires the City to install influent flow metering by 2011. The current plant layout allows only for a less than desirable method of flow measurement. If flow monitoring is installed independently the costs are estimated at \$50,000 to \$80,000. 4. The 2007 Odor Assessment Report identifies the headworks as a high potential for odors. As public encroachment continues toward the treatment plant odor control will be required for this structure. 5. The mechanical screens inside the headworks are approaching the end of their service life and must be replaced within the next 5 years. Additionally, the treatment process would benefit with improved debris screening. Estimated costs for new screens is \$750,000 to \$1,500,000. <p>A sewer rate increase will be required to fund the construction of a portion of this project. The last sewer rate increase was implemented seven years ago in January 2001. Until now, customer growth limited the need for further sewer rate increases.</p>														
Is this equipment prioritized on an equipment replacement schedule?											Yes	No	NA	
													X	
Are there any site requirements:														
REVENUE	How is this project going to be funded:													
	Funding Source	Accounting Code	FY10	FY11	FY12	FY13	FY14	Funded in Prior Years						
	Sewer Revenue Bond		600,000	6,100,000										
			600,000	6,100,000	-	-	-		600,000					
EXPENSE	How is this project going to be spent:													
	Budgeted Funds	Accounting Code	FY10	FY11	FY12	FY13	FY14	Spent in Prior Years						
	A. Land Cost													
	B. Construction Cost			5,360,000			-							
	C. Contingencies (10% of B)		-	536,000	-	-	-							
	D. Design & Engineering (15% of B)		600,000	804,000	-	-	-							
	E. Percent for Art (1% of B)													
	F. Equipment Costs													
G. Other														
		600,000	6,700,000	-	-	-		-						
OPERATING BUDGET COSTS	Does this project have any additional impact on the operating budget:													
	Expense Object	Accounting Code	FY10	FY11	FY12	FY13	FY14	Spent in Prior Years						
	Personnel													
	Supplies													
	Purchased Services													
	Fixed Charges													
	Capital Outlay													
	Debt Service													
			-	-	-	-	-	-						
	Description of additional operating budget impact:													
Responsible Person:		Responsible Department:		Date Submitted to Finance		Today's Date and Time		Preparer's Initials		Total Score				
Starr Sullivan		Public Works		02/26/2009		06/03/2009 15:35		CJK		40				

CAPITAL IMPROVEMENT PROGRAM						
Project Rating						
(See C.I.P. Instructions For Explanation of Criteria)						
Program Category:	Project Title:					10 Project #
Wastewater Facilities	Wastewater Facility Headworks Replacement					WW-04
Qualitative Analysis		Yes	No	Comments		
1. Is the project necessary to meet federal, state, or local legal requirements? This criterion includes projects mandated by Court Order to meet requirements of law or other requirements. Of special concern is that the project be accessible to the handicapped.		X		The influent flow meter portion of this project is required by the Montana Department of Environmental Quality as a condition of the MPDES discharge permit.		
2. Is the project necessary to fulfill a contractual requirement? This criterion includes Federal or State grants which require local participation. Indicate the Grant name and number in the comment column.			X			
3. Is this project urgently required? Will delay result in curtailment of an essential service? This statement should be checked "Yes" only if an emergency is clearly indicated; otherwise, answer "No". If "Yes", be sure to give full justification.			X			
4. Does the project provide for and/or improve public health and/or public safety? This criterion should be answered "No" unless public health and/or safety can be shown to be an urgent or critical factor.			X			
Quantitative Analysis		Raw Score Range	Comments		Weight	Total Score
5. Does the project result in maximum benefit to the community from the investment dollar?		(0-3) 3	No General Fund money will be used for the project.		5	15
6. Does the project require speedy implementation in order to assure its maximum effectiveness?		(0-3) 1	Project is a system upgrade.		4	4
7. Does the project conserve energy, cultural or natural resources, or reduce pollution?		(0-3) 3	Will improve protection of the environment.		3	9
8. Does the project improve or expand upon essential City services where such services are recognized and accepted as being necessary and effective?		(0-2) 2	Wastewater operations are essential for continued sewer service to the community.		4	8
9. Does the project specifically relate to the City's strategic planning priorities or other plans?		(0-3) 1	This project fulfills obligations outlined in the Wastewater Facilities Plan and MPDES permit.		4	4
Total Score					40	