

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

Description and justification of project and funding sources:

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:

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.

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.

Is this equipment prioritized on an equipment replacement schedule?	Yes	No	NA
		X	

Are there any site requirements:

How is this project going to be funded:							Funded in Prior Years
Funding Source	Accounting Code	FY10	FY11	FY12	FY13	FY14	
Sewer Revenue Bond		600,000	6,100,000				600,000
		600,000	6,100,000	-	-	-	600,000

How is this project going to be spent:							Spent in Prior Years
Budgeted Funds	Accounting Code	FY10	FY11	FY12	FY13	FY14	
A. Land Cost							-
B. Construction Cost							-
C. Contingencies (10% of B)			5,360,000				-
D. Design & Engineering (15% of B)			536,000				-
E. Percent for Art (1% of B)							-
F. Equipment Costs		600,000	804,000				-
G. Other							-
		600,000	6,700,000				-

Does this project have any additional impact on the operating budget:							Spent in Prior Years
Expense Object	Accounting Code	FY10	FY11	FY12	FY13	FY14	
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

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Project Rating

(See C.I.P. Instructions For Explanation of Criteria)

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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.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	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.		<input type="checkbox"/>	<input checked="" type="checkbox"/>				
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.		<input type="checkbox"/>	<input checked="" type="checkbox"/>				
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.		<input type="checkbox"/>	<input checked="" type="checkbox"/>				
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) <input type="checkbox"/>	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) <input type="checkbox"/>	Project is a system upgrade.			4	4
7. Does the project conserve energy, cultural or natural resources, or reduce pollution?		(0-3) <input type="checkbox"/>	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) <input type="checkbox"/>	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) <input type="checkbox"/>	This project fulfills obligations outlined in the Wastewater Facilities Plan and MPDES permit.			4	4
Total Score							40