

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

Program Category:	Project Title:			08 Project #	09 Project #	10 Project #
Public Safety	Fire Hydrants				PS-02	PS-01

**Description and justification of project and funding sources:**

Request funding for the installation of nine new fire hydrants in the Franklin-to-Fort neighborhood.

When major portions of the Franklin-to-Fort area were annexed by the City in the mid 1990s, a serious deficiency in hydrants was noted. The City planned to install additional fire hydrants and bring the area into compliance with fire code requirements. More recently, the fire department, Mountain Water Company, and the Franklin-to-Fort neighborhood council developed an installation plan to add additional hydrants over a three year period. The plan was implemented in 2005 when six new fire hydrants were installed by Mountain Water.

The plan stalled with the rate case involving Mountain Water. With the resulting Public Service Commission ruling to charge ratepayers / users for maintenance and fire flow costs, Mountain Water is no longer willing to absorb the costs of installing new hydrants.

This proposal will complete the hydrant installation plan and provide necessary infrastructure in the Franklin-to-Fort area. Costs are based upon preliminary estimates provided by Mountain Water Co. on March 23, 2007, and include hydrants, valves, piping, design and installation. We have added 5% / year for inflation. One hydrant was installed in FY09 by developer. City will install 3 in FY09 funded by the General Fund. CDBG will install 3 more in May of 2009. 4 hydrants are scheduled for FY 2011.

**Is this equipment prioritized on an equipment replacement schedule?**

Yes

No

NA

**Are there any site requirements:**

How is this project going to be funded:							Funded in Prior Years
Funding Source	Accounting Code	FY 10	FY 11	FY 12	FY 13	FY 14	
GENERAL FUND			37,943				
COMM. DEV. BLOCK GRANT (CDBG)							
NEW DEVELOPMENT							
		-	37,943	-	-	-	-

**How is this project going to be spent:**

Spent in Prior Years

Budgeted Funds	Accounting Code	FY 10	FY 11	FY 12	FY 13	FY 14	Spent in Prior Years
A. Land Cost							
B. Construction Cost							
C. Contingencies (10% of B)							
D. Design & Engineering (15% of B)							
E. Percent for Art (1% of B)							
F. Equipment Costs							
G. Other							
		-	-	-	-	-	-

**Does this project have any additional impact on the operating budget:**

Spent in Prior Years

Expense Object	Accounting Code	FY 10	FY 11	FY 12	FY 13	FY 14	Spent in Prior Years
Personnel							
Supplies							
Purchased Services							
Fixed Charges							
Capital Outlay							
Debt Service							
		-	-	-	-	-	-

Description of additional operating budget impact:

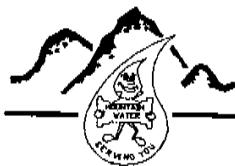
Responsible Person:	Responsible Department:	Date Submitted to Finance	Today's Date and Time	Preparer's Initials	Total Score
Mike Painter	FIRE		06/03/2009 9:04	CS	48

# CAPITAL IMPROVEMENT PROGRAM

## Project Rating

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

<b>Program Category:</b>	<b>Project Title:</b>						<b>09 Project #</b>	
Public Safety	Fire Hydrants						PS-01	
<b>Qualitative Analysis</b>		<b>Yes</b>	<b>No</b>	<b>Comments</b>				
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 type="checkbox"/>	<input type="checkbox"/>					
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 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 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 type="checkbox"/>	<p>Fire hydrants are essential infrastructure that provide for public health and safety. They provide a water supply necessary to control and extinguish fires.</p>				
<b>Quantitative Analysis</b>		<b>Raw Score Range</b>	<b>Comments</b>				<b>Weight</b>	<b>Total Score</b>
5. Does the project result in maximum benefit to the community from the investment dollar?		(0-3)	<p>The cost of the additional hydrants is minimal compared to the value of the property they are used to protect. The ten hydrants proposed will provide fire suppression water supply for approximately 500 properties. Please see notes for additional cost benefit analysis.</p>				5	10
6. Does the project require speedy implementation in order to assure its maximum effectiveness?		(0-3)	<p>This area has been in need of additional hydrants since it was annexed into the City. As Fire Station 3 will be out of service from April through October, response times to this area are impacted and there is a heightened need for speedy implementation.</p>				4	12
7. Does the project conserve energy, cultural or natural resources, or reduce pollution?		(0-3)	<p>Adequate fire flows are essential for effective fire suppression and property conservation.</p>				3	6
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)	<p>Additional hydrants are required to meet NFPA-1 UFC requirements for hydrant spacing. This standard has been adopted by the City and is met throughout the urban area.</p>				4	8
9. Does the project specifically relate to the City's strategic planning priorities or other plans?		(0-3)	<p>Yes. This project specifically relates to the City's strategic planning goals under both Community Livability (planning &amp; infrastructure) and Community Involvement (citizen concerns). The need for additional hydrants in annexed areas is also referenced in the 2006 Comprehensive Fire Master Plan.</p>				4	12
Total Score								48



# MOUNTAIN WATER COMPANY

P.O. Box 4826 • 1345 West Broadway • Missoula, Montana 59806 • Phone (406) 721-5570

**ARVID M. HILLER**  
V.P. and General Manager  
(406) 721-5570

March 23, 2007

Mr. Bob Rajala, Fire Marshall  
Missoula City Fire Dept.  
625 E. Pine  
Missoula, MT 59802

Re: New fire hydrant installation estimates in the Franklin-to-Fort area

Dear Bob:

Here are my estimates for the remaining hydrant installations we had agreed upon for this area. As indicated in our email communications, several of these have no design information. Bids and actual costs may vary substantially from these estimates. I have estimated these by the three major components by which we keep our property records but these costs are intended to include design, materials, and installation. As I mentioned in an earlier email, if MWC chooses to add a main valve(s) at any of these sites for enhanced system operation, these costs will be covered by MWC.

**1. Fairview & Schilling**

a. Hydrant	\$6,500.00
b. Valve	1,500.00
c. <u>Lead pipe</u>	1,575.00
	<b>\$9,575.00</b>

**2. Strand & Eaton**

a. Hydrant	\$5,800.00
b. Valve	2,000.00
c. <u>Lead pipe</u>	1,260.00
	<b>\$9,060.00</b>

**3. Mount West of Reserve**

a. Hydrant	\$6,600.00
b. Valve	1,800.00
c. <u>Lead pipe</u>	1,155.00
	<b>\$9,555.00</b>

**4. Grant & Burlington**

a. Hydrant	\$6,520.00
b. Valve	1,975.00
c. <u>Lead pipe</u>	1,050.00
	<b>\$9,545.00</b>

Rajala\_hyd\_estimates\_franklin area

5. S. 12<sup>th</sup> W. & Kemp

a. Hydrant	\$7,000.00
b. Valve	2,020.00
c. <u>Lead pipe</u>	3,675.00
	<hr/>
	\$12,965.00

6. S. 7<sup>th</sup> West of Reserve

a. Hydrant	\$7,000.00
b. Valve	1,900.00
c. <u>Lead pipe</u>	2,000.00
	<hr/>
	\$10,900.00

7. Eaton & Sussex

a. Hydrant	\$6,500.00
b. Valve	2,000.00
c. <u>Lead pipe</u>	1,680.00
	<hr/>
	\$10,180.00

8. S. 7<sup>th</sup> & Johnson

a. Hydrant	\$6,500.00
b. Valve	1,950.00
c. <u>Lead pipe</u>	2,100.00
	<hr/>
	\$10,550.00

9. South Ave. & 27th

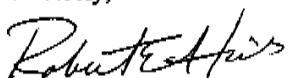
a. Hydrant	\$6,750.00
b. Valve	1,700.00
c. <u>Lead pipe</u>	2,100.00
	<hr/>
	\$10,550.00

10. S. 9<sup>th</sup> & Margaret

a. Hydrant	\$6,200.00
b. Valve	2,000.00
c. <u>Lead pipe</u>	1,900.00
	<hr/>
	\$10,100.00

If you have any questions or concerns, please let me know. (I will be out of the office the week of March 26, returning to work on April 3.)

Sincerely,



Robert E. Hicks  
Engineering