

CAPITAL IMPROVEMENT PROGRAM
City of Missoula CIP Project Request Form FY 2012-2016

Program Category:	Project Title:	10 Project #	11 Project #	12 Project #
Parks, Recreation and Open Space	Aquatics - Cyclic maintenance and continued revenue generation	PR-02	PR-01	PR-01

Description and justification of project and funding sources:

Priority Order for Projects: See project list for estimated costs and other projects to be funded in future years. The projects listed as part of the facility maintenance program represent the expected lifespan of key facility equipment or attributes whose cost to replace or maintain is such that it is outside the regular operating budget. Items on this list may be repeated at intervals due to expected wear and tear and weather aging. Items on this list may exceed expected lifespan with continued maintenance and care. The projects listed as part of the upgrade program represent opportunities to expand programming and revenue generation at the facilities. While not necessary to maintain the mechanical functioning of the facility, these projects are very important in maintaining excitement and the facilities' viability as attractive places for Missoula's citizens to recreate and maintain their fitness objectives.

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:							Funded in Prior Years
	Funding Source	Accounting Code	FY12	FY13	FY14	FY15	FY16	
	Aquatics Enterprise Fund	5711	48,000	88,000	75,000	52,000	65,500	207,000
			48,000	88,000	75,000	52,000	65,500	207,000
EXPENSE	How is this project going to be spent:							Spent in Prior Years
	Budgeted Funds	Accounting Code	FY12	FY13	FY14	FY15	FY16	
	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							
			48,000	88,000	25,000			
			48,000	88,000	50,000	52,000	65,500	
			48,000	88,000	75,000	52,000	65,500	-

OPERATING BUDGET COSTS	Does this project have any additional impact on the operating budget:							Spent in Prior Years
	Expense Object	Accounting Code	FY12	FY13	FY14	FY15	FY16	
	Personnel Supplies Purchased Services Fixed Charges Capital Outlay Debt Service	5711.370.460490/491.110 5711.370.460490/491.231 5711.370.460.491.341			25,000 40,000 2,000			
			-	-	67,000	-	-	-

FY 14 - UV system increase electrical, Bus will need 2 staff w/CDL, driver, maintenance, gas - offset with Revenue

Responsible Person:	Responsible Department:	Date Submitted to Finance	Today's Date and Time	Preparer's Initials	Total Score
Eric Seagrave	Parks & Recreation		4/6/2011 11:45	KM	49

CAPITAL IMPROVEMENT PROGRAM					
Project Rating					
(See C.I.P. Instructions For Explanation of Criteria)					
Program Category:	Project Title:			10 Project #	
Parks, Recreation and Open Space	Aquatics - Cyclic maintenance and continued revenue generation			PR-01	
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		
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	Listed items extend the life of equipment and facility infrastructure. Upgraded security for facilities while not in use, and while in use provides visual accounting for patron behavior, and encourages appropriate cash handling by employees. At Splash, tiling the floor adds increased sanitation, decreasing possible shut down due to a cryptosporidium outbreak, and increases the flooring life while decreasing maintenance costs.		5	15
6. Does the project require speedy implementation in order to assure its maximum effectiveness?	(0-3) 2	Cyclic maintenance of infrastructure extends the life of infrastructure and reduces operational costs.		4	8
7. Does the project conserve energy, cultural or natural resources, or reduce pollution?	(0-3) 2	Many of the items will reduces the consumption of energy and pollutants.		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) 2	Being as efficient as possible while still providing a level or security in the quality of recreational water is generally recognized as necessary. Based on broad citizen support and investment it is necessary we commit to cyclic and routine maintenance while also continuing to invest in effective revenue generation amenities.		4	8
9. Does the project specifically relate to the City's strategic planning priorities or other plans?	(0-3) 3	City Strategic Goal - Harmonious Environment and Quality of Life for Citizens Business plan (Proforma) for aquatics facilities.		4	12
Total Score					49

12 Project #	Project Title:
PR-01	Aquatics - Cycle maintenance and continued revenue generation

Date	Author	Notes
FY10	E. Seagrave	Due to Federal regulations, the two pools were required to comply with the Virginia Grahame Baker Act. US Aquatics was contracted to provide the engineered solution to the VGB requirements, at the cost of \$5,000 for both pools. The solution requires installation of new drains stamped with VGB and some altering of the drain sumps from how they were originally built. The work on altering the Currents Drain Sumps to the specifications of the engineered solution occurred in September of 2009, at the cost of \$2,000. The drain grates were as yet not available. When they became available in October of 2009, we used the RFP process and Knorr, Inc. was selected to supply the drain grates for both Splash and Currents, at the cost of \$22,500. The Pool Company was contracted to do the installation of the grates at both pools, Splash was completed in March/April of 2010, and Currents was completed in August/September of 2010. The total cost for the installation at Splash is not to exceed \$2,500, and the total cost at Currents is not to exceed \$500. When completed the total cost for all parts of the project was just under \$33,000. - NOTE PROJECT COMPLETED
FY 12	E. Seagrave	Upgrade Currents security system with or comparable to the Vision Hybrid Network Video Recorder (NVR) and day/night vandal resistant dome cameras with infrared illuminators. System to provide integration and recording for both analog and IP video surveillance cameras so we don't have to upgrade all cameras at one time. Cameras compatible with NVR will be required to feature a higher resolution, zoom feature, and object recognition in locations where little to no light exists. We plan to move the older DVR in use at Currents to Splash MT to live out it's useful life. The DVR at Splash has had a shorter life span due to the uncontrolled environment where the unit is located. The HVAC system is very simple at Splash and provides for air movement and exhausting for the summer months, to prolong the life of a DVR a more climate controlled environment would be required.
FY 12 & FY 13	E. Seagrave	The slide tubes at Splash Montana and Currents are aging. They are made up of conjoined sections. The gaps where the sections meet are filled and sanded smooth for a nice ride. As the plastic is exposed to continued chlorinated water, the plastic becomes softened and is susceptible to damage from various clothing items such as the rivets that are popular on today's swim apparel, such as board shorts. These rivets cause scrapes and runnels that can be felt on the bare skin back of riders. Also, as the tubes are exposed to cooling and heating cycles, and the ground supporting the structures settles, the joints move and create ridges that can also be felt by riders. The end result is reduced number of repeated trips down the slides, thus taking away from the desire to return to the facility for continued recreational fitness opportunities. Repair to the slides may require flying individuals with re-finishing experience to Missoula if a local professional cannot be located. Cost Benefit: Splash revenue has averaged \$530,000 annually over the past 3 years. Attendance has averaged 90,000 for each year. This means the average visitor spends about \$6 per visit, including food, merchandise, etc.. An increase of just 900 visits each year (a tenth of a percent of the average total) would pay off the investment in 2 years.
FY 13	E. Seagrave	Tile at Splash lock room - in 2008 installed tile at Currents. The tile greatly increases sanitation (less bacteria growth or transmittal of disease), is more attractive (cleaner appearance = revenue) and safe (low slip) Cost benefit analysis: Tile decreases daily and seasonal maintenance. The current applied flooring has lasted for 4 seasons. A tile flooring can often last for 20 or more years. Thus installing tile will spare the cost of refinishing the current flooring 5 times during a 20 year time period. Improved sanitation and appearance will result in more repeat visits to the facility. Payback for this project would be 10 years, possibly sooner.

Date	Author	Notes
FY 14	E. Seagrave	<p>FY 11 - Installation of UV Systems at Currents was purchased and installed on the pool water circulation line at Currents in October, 2010. As a direct result of the installation, the water quality at the pools has been easier to maintain. The combined chlorine (Chloramines) readings max at .4 ppm since the installation, whereas in previous years the readings were at .8 to 1.0 ppm by this time of year (March 2011). This indicates that the facility has fewer chloramines particles in the air, and patrons and staff are inhaling fewer fumes from the pool water sanitation process. The unit also provides a greater security against the possible introduction of cryptosporidium into the water.</p> <p>The request for spending an additional \$40,000 to install a similar system on the Pond at Splash is directly related to the increased security a UV system provides against the possible introduction of cryptosporidium into the water from an affected individual. A cryptosporidium outbreak (defined by the Montana Dept of Health as 2 confirmed cases) could lead to the health department close down of the pools and even installation of a UV system prior to re-opening). As the 50m pool and the River have fewer fecal release incidents (zero to date since the opening of the pools as opposed to 10 to 15 per season in the Pond) at this time we are not requesting funding to install a unit on those bodies of water.</p>
FY 14	E. Seagrave	<p>The surge pit that is part of the 50m pool. As the surge pit by definition will at times be completely full of water, the material in the pit must be able to handle the immersion. Currently there are metal brackets that are installed to support the 8 inch plastic pipe that are made of non-resistant metals. We are investigating alternative sealants or treatments for these bracket. If no other cost effective option presents itself we will need to replace these brackets. Also, the installation of a float valve assembly that will close the main drain valve as the number of swimmers in the pool increase will contribute to increased skimming of the pool from the top of the water, where the grease and other contaminants that swimmers bring into the water resides. This will improve water clarity even during busy times. Cost Benefit: Maintaining the water clarity will result in more extended stays each day. Extended stays mean more opportunity for food and beverage sales at the Cafe.</p>

Date	Author	Notes
FY 14	E. Seagrave	<p>Bus or Van - Pease, Grant, or Partnership Program. Provides for a place holder with cost benefit analysis still needing to be done. Parking at Splash Montana is troublesome on the busy days. Neighbors are upset with the number of cars parked in front of their houses, and the trash that accompanies this parking. Also, the number of children crossing the street to get to their parked car or walking through the parking lot, which extends well beyond the confines of the facility and still is not enough, increases the possibility of a collision. With gas prices being predicted to climb back into the \$5 a gallon range and increased greenhouse gas emissions, staff would like to explore the option to offer a bus ride to the pool. A short bus or van would benefit the entire recreation department by picking children up at neighborhood parks and schools and transporting right to the program they are involved in. During the fall, winter, and spring the vehicle would still be well used picking senior citizens up from assisted living facilities, sparing them the drive on treacherous roads, helping to break the cycle of being shut in during the cold season by providing an easy and economical means to ride to Currents for a soak in the spa, participation in Pilates or Water Aerobics, and general socialization in a positive and safe environment. Currently the number of requests for this service is not great enough to interest Mountain line, but we believe this program is the type where utilization will increase once the service is provided. Staff will be exploring options with partnerships with business to lease or fund a bus or van.</p>

Date	Author	Notes
FY 15	E. Seagrave	Concessions Food and Beverage specific Point of Sale system purchase: The existing software used at the concessions is a smaller component of the bigger Recreation Management software purchased by the city with the initial opening of the two facilities. As such, it is an add on program that functions minimally for the needs of a growing concessions operation. Our desire is to purchase a separate system that is designed from the beginning with the intent of being used in a food service. The desired program would track orders as they are taken, paid for, and communicate the orders to the appropriate section of the food service, i.e. the cook, the beverage/treat provider, etc.. the desired system would serve to manage the order from the initial entry to the preparation and correct dispersal of the product. Inventory would also be maintained with this system, and we would increase customer service with fewer lost orders and better management of equipment such as ovens, mixers. Cost Benefit: Our current system involves hand written notes and contributes to occasional lost orders. An improved food and beverage Point of Sale system would be paperless and would manage the order to achieve better customer service, thus more revenue through satisfied customers and decreased loss through comped meals to achieve customer satisfaction.
FY 15	E. Seagrave	The current locker set up at Splash Montana and Currents is functional. It consists of unlocked units which patrons can utilize to store their gear as they are swimming, taking everything away at the end of the day. This system is secure if the patron brings their own lock or purchases one from our merchandise sales. Currently the locks are sold at cost, as we desire to encourage that everyone lock their items up to stop thievery. However, any number of people make the decision to trust in the ability of individuals to resist the temptation offered by an unlocked locker with a wallet, ipod, or phone shoved in a pair of shoes, to their own disappointment. Another issue is that people will shove their items into a locker without locking it, and a person who wants to lock their items up will be unable to find an available locker. The installation of a several banks of lockers which come with a built in locking system where a locker can be locked for the cost of a quarter for each time you lock it would increase security immensely, and decrease the amount an individual has to pay to purchase a lock as they now do. Cost Benefit: The lockers would make a small amount of revenue which would cover the cost of maintaining the lockers and may even contribute to the facility revenue generation. This set up would also allow us to rent the existing banks of lockers to individuals for the season at a rate that would allow for increased revenue generation. Payback would likely occur after 7 to 10 years of operation.
FY 16	E. Seagrave	The purchase and installation of a grill and fan system at Splash will enable the facility to make even more revenue through food sales. The original Pro Forma plan called for the inclusion of a grill at Splash for hamburger sales. Due to construction and code issues, the grill idea was removed from the plans during construction. However, the value of the product remains. Having a grill will allow the facility to host more afterhours rentals and provide more dinner sales. The current menu is primarily a lunch menu. Installing a grill in the concessions building will also require the installation of a sizable fan and cooling system for the area. The installation of a hooded fan would also allow for the installation of a fryer, and increased revenue through the sales for French fries. Cost Benefit: Staff are currently working on a cost benefit analysis to determine the profitability margin with the addition of a grill.

Aquatics - Cyclic maintenance and Revenue Generation FY2012 - FY2025

Facility Projected work and cost

Projected Cost

☒ Denotes maintenance and Revenue Generation project

☐ Denotes Capital Improvement Project

FY12

<input type="checkbox"/> Currents	Upgrade Cameras and DVR at Currents / reuse DVR from Currents at Splash	\$15,000	
<input checked="" type="checkbox"/> Splash	Pool deck cement seal	\$10,000	
<input checked="" type="checkbox"/> Splash	Slide Tubes - Refinish for smooth ride	\$10,000	
<input checked="" type="checkbox"/> Splash	Facility Wood sand and refinish	\$8,000	
<input checked="" type="checkbox"/> Currents	Locker Room Wall Repaint	\$5,000	
			\$48,000

FY 13

<input type="checkbox"/> Splash	Locker Room floor resurfacing - tile at \$8/square foot	\$80,000	
<input checked="" type="checkbox"/> Currents	Slide Tube rebuild for smoothness	\$8,000	
			88,000

FY14

<input type="checkbox"/> Splash	UV System for Pond	\$40,000	
<input checked="" type="checkbox"/> Splash	Surge Pit rebuild for 50m & installation of a floating valve on the pond main drain	\$10,000	
<input type="checkbox"/> Both Pools	Bus or Van - Lease or Partnership Program	\$25,000	
			\$75,000

FY15

<input type="checkbox"/> Currents	Coin Operated Locker System	\$17,000	
<input type="checkbox"/> Splash	Coin Operated Locker System	\$17,000	
<input type="checkbox"/> Splash	Concessions Food & Beverage Specific Point of Sale System	\$18,000	
			\$52,000

FY16

<input type="checkbox"/> Splash	Grill and Fan system in Café - realize increase revenue return rate on food service	\$35,000	
<input checked="" type="checkbox"/> Splash	Buildings - Interior paint job	\$6,000	
<input checked="" type="checkbox"/> Splash	Concessions Oven Replacement	\$6,000	
<input checked="" type="checkbox"/> Splash	Replace 2 Chemical Controllers	\$8,000	
<input checked="" type="checkbox"/> Splash	Bear Slide Resurface smoothing the ride & Repaint	\$2,500	
<input checked="" type="checkbox"/> Splash	Shade Structure - Re-cover	\$8,000	
			\$65,500

FY17

<input checked="" type="checkbox"/> Currents	Bear Slide Resurface & Repaint smoothing the ride	\$2,500	
<input checked="" type="checkbox"/> Currents	Replace 2 Chemical Controllers	\$6,000	
<input type="checkbox"/> Splash	New water play feature: Install 4 lane speed slide at Splash - NOTE: GF Financing -Revenue offset	\$850,000	
			\$858,500

FY18

<input checked="" type="checkbox"/> Splash	Facility Wood sand and refinish	\$8,000	
<input checked="" type="checkbox"/> Splash	Slide Tubes - Refinish for smooth ride	\$10,000	
<input checked="" type="checkbox"/> Currents	Slide Tube rebuild for smoothness	\$8,000	
<input type="checkbox"/> Currents	New Outside Spa: On Sun deck	\$25,000	
<input checked="" type="checkbox"/> Currents	Natatorium Interior Wall Repaint	\$15,000	
<input checked="" type="checkbox"/> Currents	Wood Trim Upkeep - Sanding, staining & sealing - internal (pillars and beams)	12,000	
			\$78,000

FY19

<input type="checkbox"/> Splash	Pool Liner for 50m	\$80,000	
<input type="checkbox"/> Splash	Buildings Outside wall paint job	\$15,000	
			\$95,000

FY20

<input type="checkbox"/> Currents	New water play feature: pump, motor, pipe system for new Tornado slide at Currents	\$250,000	
			\$250,000

FY21			
<input checked="" type="checkbox"/>	Currents	Locker Room Wall Repaint	\$5,000
<input type="checkbox"/>	Splash	Pool Resurface - Pond & River	\$80,000
			\$85,000
FY22			
<input type="checkbox"/>	Currents	Pool Resurface - Pools & Spa	\$65,000
			\$65,000
FY23			
<input type="checkbox"/>	Splash	Buildings Re-roof	\$45,000
<input type="checkbox"/>	Splash	Concessions Freezer Replacement	\$18,000
			\$63,000
FY24			
<input type="checkbox"/>	Splash	Pool Blanket Replacement	\$25,000
			\$25,000
Ongoing or replacement schedule for Pool pumps and Motors			
	Splash	\$1,200/year over 9 years	\$10,800
	Splash	\$4,500 per motor = 9 motors	\$40,500
<input checked="" type="checkbox"/>		Every 9 years or motors	\$51,300
	Currents	\$1,200/year over 6 years	\$7,200
	Currents	\$4,500 per motor = 6 motors	\$27,000
<input checked="" type="checkbox"/>		Every 6 years or motors	\$34,200
			\$1,933,500
		Total all projects	

Aquatics - Unused Subsidy Spending Plan FY2011 - FY2025 - by facility

Facility Maintenance Program - projected work and cost		Projected Cost
Splash	Pool deck cement seal	\$10,000
Splash	Slide Tubes - Refinish for smooth ride	\$10,000
Splash	Facility Wood sand and refinish	\$8,000
Splash	Locker Room floor resurfacing - tile at \$8/square foot	\$80,000
Splash	Surge Pit rebuild for 50m and floating valve on Pond maindra	\$10,000
Splash	Buildings - Interior paint job	\$6,000
Splash	Concessions Oven Replacement	\$6,000
Splash	Replace 2 Chemical Controllers	\$8,000
Splash	Bear Slide Resurface smoothing the ride & Repaint	\$2,500
Splash	Shade Structure - Re-cover	\$8,000
Splash	Facility Wood sand and refinish	\$8,000
Splash	Slide Tubes - Refinish for smooth ride	\$10,000
Splash	Pool Liner for 50m	\$80,000
Splash	Buildings Outside wall paint job	\$15,000
Splash	Pool Resurface - Pond & River	\$80,000
Splash	Buildings Re-roof	\$45,000
Splash	Concessions Freezer Replacement	\$18,000
Splash	Pool Blanket Replacement	\$25,000
Ongoing or replacement schedule		
Splash	\$1,200/year over 9 years	\$10,800
Splash	\$4,500 per motor = 9 motors	\$40,500

Splash:	Total Estimated Maintenance \$ Needed Jun FY 11 - FY 25	<u>\$480,800</u>
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Currents	Re-usable Air Filter Replacement	\$4,200
Currents	Slide Tube rebuild for smoothness	\$8,000
Currents	Locker Room Wall Repaint	\$5,000
Currents	Bear Slide Resurface & Repaint smoothing the ride	\$2,500
Currents	Replace 2 Chemical Controllers	\$6,000
Currents	Slide Tube rebuild for smoothness	\$8,000
Currents	Natatorium Interior Wall Repaint	\$15,000
Currents	Wood Trim Upkeep - Sanding, staining & sealing - internal (pi	12,000
Currents	Locker Room Wall Repaint	\$5,000
Currents	Pool Resurface - Pools & Spa	\$65,000
Ongoing or replacement schedule		
Currents	\$1,200/year over 6 years	\$7,200
Currents	\$4,500 per motor = 6 motors	\$27,000

Currents	Total Estimated Maintenance \$ Needed Jun FY 11 - FY 21	<u>\$164,900</u>
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Facility Upgrade Program - projected work and cost

Splash	New Inflatable Feature: Infatables keep interest and excitement	\$10,000
Splash	New Cameras and Server	\$15,000
Splash	Kiosk/Cart for merchandise sales and traveling food service v	\$9,000
Splash	UV System for Pond	\$40,000
Both Pools	Purchase a Bus - Will aid in bringing groups to the facilities	\$40,000
Both Pools	Purchase Kayaks & equipment to begin a basic level to intern	\$12,000
Currents	Coin Operated Locker System	\$17,000
Splash	Coin Operated Locker System	\$17,000
Splash	Concessions Food & Beverage Specific Point of Sale System	\$18,000
Splash	Grill and Fan system in Café - Sell burgers and fries	\$35,000
Both Pools	Purchase Canoes & Equipment to begin a basic level to intern	\$8,000
Splash	New water play feature: Install 4 lane speed slide at Splash	\$850,000
Currents	New Outside Spa: On Sun deck	\$25,000
Currents	New water play feature: pump, motor, pipe system for new Tc	\$250,000
Both Pools	Total Estimated Facility Upgrade \$ Needed June FY11 - FY20	\$1,346,000

Total CIP Facility & Attraction Upgrade June FY 2011 - FY 2018	<u>\$1,991,700</u>
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Aquatics Capital Improvement Plan for Splash and Currents

4060.432&485 construction budgets

\$ 91,000

FY 10	Use remaining construction budget funds		
	Purchase and installation of main drain covers at Splash 50 Meter	\$	7,000
	Engineering Study and Purchase and Installation of main drain grates at Splash and Currents Original Pools	\$	18,000
	Total	\$	25,000

Use Balance of Construction budget

\$ 66,000

FY11	Installation of UV at Currents	\$	40,000
	Installation of Sound Reduction Material at Currents	\$	10,000
	Installation of Variable Frequency Drive at Currents	\$	8,000
	Engineering study and installation of sewer meter at Splash Montana	\$	8,000
	Purchase and Installation of Shade structure at Splash Café	\$	15,000
	Total	\$	81,000

Possible funding source: Enterprise fund, Grants/donations

FY12	Construction of satellite locker room at Splash and new Entrance creation	\$	300,000
	Construction of Mini-Golf/Arcade area at Splash	\$	250,000
	Total	\$	550,000

FY13	Purchase and installation of Sidewinder Water Slide	\$	1,500,000
	Total	\$	1,500,000

1. Currents: Sound suppression System
2. UV Sanitation System for Splash Pond Swim Pool
3. Variable Frequency Drive Installation
4. Install Sewer Meter at Splash Montana
5. Concessions Order & Pick-up area shade structure - Splash Montana
6. Satellite Locker Room & Auxiliary Entrance at Splash(50m & Expansion Area)
7. Mini-golf/Arcade Area Revenue Generation Plan at Splash Montana
8. Purchase and install Sidewinder style multi person slide at Splash Montana.