

**CAPITAL IMPROVEMENT PROGRAM**

**City of Missoula CIP Project Request/Update Form FY 2018-2022**

Department Priority		Major Department	New or Update	Required Is this project Required?	Delay Can project be delayed?	Project Title		
5	of 15	Public_Works	Update			Biogas Electrical Generation		
Project Rating	Project Number	Division/ Sub-Department		No	No			
Efficiency	WW_08	Wastewater/Compost	Is the project APPROVED for Fiscal Year 2018?			Y	FUNDED?	Y

**Summary Description and rationale of project and funding sources:**

A Biogas Use Feasibility Study done by Morrison Maierle Inc. for the Missoula Wastewater Treatment Facility recommends installing a large scale reciprocating engine package for electrical generation. Using biogas (methane) produced at the plant would save an estimated \$85,200 annually in electrical costs with a pay back period of 13.8 years. This project may be eligible for grant money from the Montana Department of Environmental Quality.

**History & Current Status: Impact if Cancelled or Delayed**

**Are there any site requirements/ Potentially Affected Interest (PAI) Coordination:**

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

Funding Source	Accounting Code	Prior Year Summation	Yr. 1. budget	Unappropriated subsequent years				
			FY18	FY19	FY20	FY21	FY22	
Sewer Fund		See "UPDATE" tab for detail of revenue funding sources and amounts.	1,179,100					
		72,349	1,179,100	-	-	-	-	-

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

Budgeted Funds	Accounting Code	Prior Year Summation	FY18	FY19	FY20	FY21	FY22
A. Land Cost		See "UPDATE" tab for detail of expenditures sources and amounts.					
B. Construction Cost			1,002,235				
C. Contingencies (10% of B)							
D. Design & Engineering (15% of B)			176,865				
E. Percent for Art (1% of B)							
F. Equipment Costs							
G. Other							
		72,349	1,179,100	-	-	-	-

Is this equipment prioritized on an equipment replacement schedule?

Is there ongoing Operating and/or Maintenance costs upon completion of project?

*If "Y" then complete the section below (Operational Budget Impact)*

(account for operational savings and/or reduction in current budget of previous operating/maintenance charges)

Expense Object	Accounting Code	FY18	FY19	FY20	FY21	FY22
A. Personnel						
B. Supplies						
C. Purchased Services						
D. Fixed Charges						
E. Capital Outlay						
F. Debt Service						
G. (Operational Savings)						
		-	-	-	-	-

*NOTE: Approval of the CIP does not indicate approval of the ongoing operating and maintenance costs. Those costs must be submitted as a "New Request" in the regular budget process. This will ensure the coordination exists between the CIP and the new request*

Description of additional operating budget impact:

Responsible Person:	Responsible Department:	Date Submitted to Finance	Today's Date and Time	Preparer's Initials
Starr Sullivan	Public Works	4/21/2017	1/22/2018 17:13	LAH

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Efficiency	WW_08	Wastewater/Compost	Was the project APPROVED for the prior Fiscal Year 2017?			Yes	FUNDED?	Yes

**Please complete the remainder of the pertinent information below:**

**Provide an update on the project; phase x of x; % complete; outstanding items/purchases; what is remaining to complete the project.**

April 13, 2017, about 41 percent of the funding for engineering has been expended, and nothing has been spent yet on construction. However, the intent is for the construction contract to go out to bid in FY17.

**Project Revenues**

Funding Source	Accounting Code	Actual FY 2015	Actual FY2016	Budgeted FY2017	Actual FY2017	Variance FY 2017	Total Project Revenue
Sewer Construction Fund		\$ 20,157	\$ 5,717	\$ 1,179,100	\$ 46,475	\$ 1,132,625	\$ 72,349
						-	-
						-	-
						-	-
						-	-
						-	-
		\$ 20,157	\$ 5,717	\$ 1,179,100	\$ 46,475	\$ 1,132,625	\$ 72,349

**Project Expenditures**

Funding Source	Accounting Code	Actual FY 2015	Actual FY2016	Budgeted FY2017	Actual FY2017	Variance FY 2017	Total Project Expenditures
Sewer Construction Fund		\$ 20,157	\$ 5,717	\$ 1,179,100	\$ 46,475	\$ 1,132,625	\$ 72,349
						-	-
						-	-
						-	-
						-	-
						-	-
		\$ 20,157	\$ 5,717	\$ 1,179,100	\$ 46,475	\$ 1,132,625	\$ 72,349

## CAPITAL IMPROVEMENT PROGRAM

### Project description/Rating

(See C.I.P Instructions for explanation of the Project Rating and Rational that is required)

Department Priority	Project Rating	Department	New or Update	Project Title
5	Efficiency	Public_Works	Update	Biogas Electrical Generation
of 15	WW_08	Wastewater/Compost		
Project Rating #1				
<b>Required</b>		Project Rationale #1		
<p>Is the project necessary to meet a contractual obligation, Federal, State, or local legal requirements? This criterion includes projects mandated by Court Order to meet requirements of law or other such requirements.</p>				
Project Rating #2				
#N/A		Project Rationale #2		
Project Rating #3				
#N/A		Project Rationale #3		
Project Rating #4				
#N/A		Project Rationale #4		