

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		
6	of 12	Public_Works	Update	Yes	No	Garden City Compost Facility		
Project Rating	Project Number	Division/ Sub-Department						
Required	WW_09	Wastewater/Compost	Is the project APPROVED for Fiscal Year 2018?			Y	FUNDED?	Y

Summary Description and rationale of project and funding sources:

The City purchased Eko Compost in November 2016. The City will be required to upgrade the current composting facilities to improve efficiency, meet the Montana Department of Environmental Quality regulations, and control odors. Composting biosolids for beneficial reuse is critical for operation of wastewater treatment facility. No other options for biosolids disposal allows for beneficial reuse and are as cost effective. Phase I will include design, construction, purchase of a stationary mixer, a new grinder, two new front end loaders, two 40 hp aeration blowers, and aeration piping. Estimated costs for Garden City Compost Phase II capital improvements are \$4.2 million (may be implemented in multiple phases depending on availability of funds). Additional equipment needs to be purchased, including a new trommel screen and automated aeration controls. Other necessary expenses include a 1.7-acre impervious surface for the compost piles (required by the MDEQ)

History & Current Status: Impact if Cancelled or Delayed

If the project is delayed or canceled, we will lose the ability to accept green waste or produce compost as the existing equipment is at the end of their service life.

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	Unappropriated subsequent years				
			FY18	FY19	FY20	FY21	FY22
Wastewater/Sewer Funds	5311.330.*	See "UPDATE" tab for detail of revenue funding sources and amounts.	633,786	4,200,000			
			209,794	633,786	4,200,000	-	-

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			286,749				
C. Contingencies (10% of B)			56,029				
D. Design & Engineering (15% of B)			66,263				
E. Percent for Art (1% of B)							
F. Equipment Costs			224,745				
G. Other							
		26,647	633,786	-	-	-	-

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	7/3/2017	1/22/2018 17:15	LAH

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6	of 12	Public_Works	Update	Yes	No	Garden City Compost Facility		
Project Rating	Project Number	Division/ Sub-Department		Yes	No			
Required	WW_09	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.

This project was previously titled Composting and Green Waste Facility Design.

The City purchased EKO Compost in November 2016. The City has commissioned a study to determine the feasibility of operating the composting/green waste. The Montana Department of Environmental Quality has issued new regulations for large composting facilities. The compost facility does not currently meet those regulations. Now the City has taken over operation of the composting/green waste facility it will have to design/engineer a facility that will meet those proposed regulations and ultimately invest capital costs for upgrades.

Project Revenues

Funding Source	Accounting Code	Actual FY 2015	Actual FY2016	Budgeted FY2017	Actual FY2017	Variance FY 2017	Total Project Revenue
Replacement and Depreciation			\$ 68,653	\$ 460,000	\$ 141,141	\$ 318,859	\$ 209,794
						-	-
						-	-
						-	-
						-	-
						-	-
		\$ -	\$ 68,653	\$ 460,000	\$ 141,141	\$ 318,859	\$ 209,794

Project Expenditures

Funding Source	Accounting Code	Actual FY 2015	Actual FY2016	Budgeted FY2017	Actual FY2017	Variance FY 2017	Total Project Expenditures
Replacement and Depreciation				\$ 460,000	\$ 26,647	\$ 433,353	\$ 26,647
						-	-
						-	-
						-	-
						-	-
						-	-
		\$ -	\$ -	\$ 460,000	\$ 26,647	\$ 433,353	\$ 26,647

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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
6	Required	Public_Works	Update	Garden City Compost Facility
of 12	WW_09	Wastewater/Compost		
Project Rating #1				
Required		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>		<p>The compost facility needs to adhere to Montana Department of Environmental Quality standards, which are not currently being met. Upgrades are needed to continue operations. This project will also increase efficiency and reduce fuel costs.</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		

Phase 1 Capital Outlay

Total Capital: 2.75 M \$2,750,000.00

Asset Purchase (Eko): **\$1,300,000.00**

Phase 1 Budget: 1.45 M \$1,450,000.00

Phase 1 Spent:

Engineering:		\$114,493.98
Blowers		\$17,680.00
Block Molds		\$14,618.75
Engineering		\$6,233.29
Grinder		\$618,000.00
Geoprobe		
Sampling/Analysis		

Total: **\$771,026.02**

Phase 1 FY'17 Invoice Pending

Power	(partially done - not invoiced)	\$22,595.00
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FY '17 Capital spent \$2,093,621.02

Phase 1 Planned Carryover to FY'18

Total Remaining Capital Outlay Not Spent In FY'17: \$678,973.98
 \$1.45 M minus purchases

FY'18

<u>Carry Over</u>	<u>Complete Transitional Production Facility</u>	
Mixer (Will be delivered	and invoiced mid July FY '18)	\$224,745.00
Blower Equipment	(to be advertised for bid in late July	\$184,666.00
Concrete Blocks	(production has begun)	\$102,084.00
Remaining Phase 1 Engineering		\$66,263
Contingency		\$101,216.25
		\$678,973.98

New Capital FY'18

Trommel Screen	(If approved)	\$241,500
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Differed Phase 2

Telestacker with concrete floors