



Grant All-Detail Report

Watershed Based Funding Metro 2019

Grant Title - 2019 - Watershed Based Funding Metro (Coon Creek WD)

Grant ID - P19-3261

Organization - Coon Creek WD

Original Awarded Amount	\$191,973.00	Grant Execution Date	10/22/2018
Required Match Amount	\$19,197.30	Original Grant End Date	12/31/2021
Required Match %	10%	Grant Day To Day Contact	Justine Dauphinais
Current Awarded Amount	\$191,973.00	Current End Date	12/31/2021

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$191,973.00	\$0.00	\$191,973.00
Total Match Amount	\$530,352.00	\$672.84	\$529,679.16
Total Other Funds	\$220,992.00	\$0.00	\$220,992.00
Total	\$943,317.00	\$672.84	\$942,644.16

*Grant balance remaining is the difference between the Awarded Amount and the Spent Amount. Other values compare budgeted and spent amounts.

Budget Details

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Administration/Coordination	Administration /Coordination	Local Fund	CCWD	\$21,744.00	\$672.84	12/31/2018	Y
Construction	Urban Stormwater Management Practices	Current State Grant	2019 - Watershed Based Funding Metro (Coon Creek WD)	\$191,973.00			N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Construction	Urban Stormwater Management Practices	Local Fund	CCWD or potential FY19 state grant	\$220,992.00			N
Construction	Urban Stormwater Management Practices	Local Fund	City of Blaine	\$200,000.00			Y
Construction	Urban Stormwater Management Practices	Local Fund	City of Coon Rapids	\$217,000.00			Y
Project Development	Project Development	Local Fund	CCWD	\$9,108.00			Y
Technical & Engineering	Technical/Engineering Assistance	Local Fund	CCWD	\$82,500.00			Y

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
712M - Bioretention Basin	2		2 COUNT	COUNT

Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
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Final Indicators Summary

Indicator Name	Total Value	Unit
PATHOGENS (E. COLI)	160.00	CFU

PHOSPHORUS (EST. REDUCTION)	72.00	LBS/YR
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Grant Activity - Administration/Coordination

Description	This activity includes regular coordination & progress meetings and execution of Joint Powers Agreements with project partners (20%), construction project management (securing permits, bid process, contracts, oversight; 50%), and financial tracking & all required grant reporting (30%). This activity will be carried out by CCWD staff as in-kind match. Specifically, Justine Dauphinais, Water Quality Coordinator will be responsible for day-to-day project management, financial tracking, and grant reporting with administrative oversight by Tim Kelly, District Administrator and Julie Peterson, Accountant. Jon Janke, O&M Coordinator, will be responsible for construction management in conjunction with the District Engineer (See Technical/Engineering Assistance Activity for associated engineering budget). CCWD staff will work immediately to execute Joint Powers Agreements with the Cities of Blaine and Coon Rapids that provide proper assurances for access, construction, and long-term operations & maintenance for each stormwater filter project. These agreements will be submitted to BWSR for review and approval prior to expending any grant funds. Key Milestones: Year 1 (thru Dec 2019): -Submit annual grant report to BWSR by Feb 1 -Execute JPA with City of Coon Rapids for Woodcrest Pond filter BMP by March 30 -Execute JPA with City of Blaine for Pleasure Creek Pond filter BMP by March 30 -Approve final design plans for bid packet by June 30 -Work plan progress check-in meeting with BWSR Board Conservationist by July 31 -Award contractor(s) for both projects by October 31 -Work plan progress check-in meeting with BWSR Board Conservationist by Dec 31 Year 2 (thru Dec 2020): -Submit annual grant report to BWSR by Feb 1 -Sign off on substantial completion of constructed projects by March 30 -Work plan progress check-in meeting with BWSR Board Conservationist by July 31 -Work plan progress check-in meeting with BWSR Board Conservationist by Dec 31		
Category	ADMINISTRATION/COORDINATION		
Start Date	14-Dec-18	End Date	
Has Rates and Hours?	Yes		

Grant Activity - Construction

Description

This activity includes construction site prep & maintenance, installation of 2 stormwater filters & interpretive signage, and site restoration. All work will be completed by one or more qualified contractors selected using a competitive sealed bid process. Access, staging, & construction will all occur on City-owned land. Revegetation practices will adhere to BWSR's Native Vegetation Establishment guidelines.

One iron-enhanced sand filter basin (divided into two cells, one with biochar media added) will be installed S of Blaine stormwater pond #303. This filter basin will receive stormwater from pond 303 via a pump system and discharge treated water to Pleasure Creek via an underdrain system. This project is expected to reduce TP loading to Pleasure Creek by 25 lbs per yr & also reduce E. coli loading. The City of Blaine intends to contribute \$200,000 towards construction as match.

One iron and biochar-enhanced sand filter bench will also be installed along the N edge of Woodcrest Drive Pond in Coon Rapids. Water will be treated via gravity filtration & discharged to Woodcrest Creek. This project is expected to reduce TP loading to Coon Creek by 47 lbs per yr & also reduce E. coli loading. The City of Coon Rapids intends to contribute \$217,000 towards construction as match.

Preliminary feasibility studies have been completed by Wenck for both proposed filters (attached).

CCWD will contribute the remaining funds towards construction. The CCWD has applied for a FY19 CWF P&P grant to cover these costs and to expand the Woodcrest filter (if awarded, these funds are not eligible as match, but the required match for the current grant is satisfied by other local funds)

Key Milestones:

Year 1 (thru Dec 2019):

- Contractor(s) awarded for both projects by Oct 31

Year 2 (thru Dec 2020):

- Substantial completion of both projects by Mar 30
- Both filters on-line by Apr 30
- Vegetation establishment by July 31

Category

URBAN STORMWATER MANAGEMENT PRACTICES

Start Date		End Date	
Has Rates and Hours?	No		
Actual Results			

Activity Action - Filter BMPs			
Practice	712M - Bioretention Basin	Count of Activities	2
Description	iron-enhanced filter basins amended with biochar media as retrofits to existing stormwater ponds		
Proposed Size / Units	2.00 COUNT	Lifespan	25 Years
Actual Size/Units	COUNT	Installed Date	
Mapped Activities	No		

Final Indicator for Filter BMPs			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	25
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	Pleasure Creek		
Final Indicator for Filter BMPs			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	47
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	Coon Creek		
Final Indicator for Filter BMPs			
Indicator Name	PATHOGENS (E. COLI)	Value	80
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Literature Value
Waterbody	Pleasure Creek		
Final Indicator for Filter BMPs			
Indicator Name	PATHOGENS (E. COLI)	Value	80
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Literature Value
Waterbody	Coon Creek		

Grant Activity - Project Development

Description	Efforts will be made to engage the public and other stakeholders throughout the entire project. Two public open houses will be held to discuss local water quality impairments, the proposed BMPs, and to gather feedback (15%). Regular project updates will be published in City newsletters and on the CCWD's website (40%). Content for interpretive signage to be installed at each project site will be developed (30%). Furthermore, to engage water resource professionals, the results of this project, including pollutant reductions, will be presented at the annual MN Water Resources Conference (15%). This activity will be carried out by CCWD staff as in-kind match. Specifically, Dawn Doering, Information & Education Coordinator, will oversee all public engagement efforts with assistance from Britta Dornfeld, Outreach Assistant. Justine Dauphinais, Water Quality Coordinator, will present the results of the project at the MN WRC. Key Milestones: Year 1 (thru Dec 2019): -Host 2 public open house meetings by June 30 -Create project webpage by June 30 -Publish 2 articles in City newsletters by October 31 Year 2 (thru Dec 2020): -Complete interpretative signage content/design by March 30 -Update project webpage by April 30 -Present project and preliminary monitoring results at UMN Water Resources Conference by October 31		
Category	PROJECT DEVELOPMENT		
Start Date		End Date	
Has Rates and Hours?	Yes		
Actual Results			

Grant Activity - Technical & Engineering

Description	The District Engineer, Wenck Associates, will provide technical and engineering assistance throughout the Project under the direction of CCWD staff. The Engineer will develop and complete design plans and specifications including any surveying, geotechnical analyses, and permitting (50%), implement the competitive bidding process (25%), and provide construction oversight (25%). Ed Matthiesen, P. E., a licensed professional, will be the lead Engineer and will adhere to recognized design standards for all constructed practices. The engineers at Wenck Associates have experience with the design of similar systems and have successfully filled this role many times for the CCWD over the past several years. Key Milestones: Year 1 (thru Dec 2019): -Finalized design plans and specifications completed for both filters by June 30 -Both projects advertised for competitive bid by September 30 Year 2 (thru Dec 2020): -Sign off on substantial completion of constructed projects by March 30		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results			

Grant Attachments

Document Name	Document Type	Description
2019 Watershed Based Funding Metro	Grant Agreement	2019 Watershed Based Funding Metro - Coon Creek WD
2019 Watershed Based Funding Metro EXECUTED	Grant Agreement	2019 Watershed Based Funding Metro - Coon Creek WD
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/31/2019
Anoka Co. Collaborative PTM plan	Grant	2019 - Watershed Based Funding Metro (Coon Creek WD)
In kind match documentation	Progress	Progress Dated - 01/31/2019
Notes on related FY 19 Competitive grant application	Journal	Journal Dated - 10/08/2018
PCIESF Executed JPA with landowner	Grant	2019 - Watershed Based Funding Metro (Coon Creek WD)
PCIESF OM Plan	Grant	2019 - Watershed Based Funding Metro (Coon Creek WD)

Document Name	Document Type	Description
Pleasure Creek Pond 303 Cost Estimate	Grant	2019 - Watershed Based Funding Metro (Coon Creek WD)
Pleasure Creek Pond 303 Prelim Design Sketch	Grant	2019 - Watershed Based Funding Metro (Coon Creek WD)
WCIESF Executed JPA with Landowner	Grant	2019 - Watershed Based Funding Metro (Coon Creek WD)
WCIESF OM Plan	Grant	2019 - Watershed Based Funding Metro (Coon Creek WD)
Woodcrest Drive Pond Figures & Cost Estimate (HALF SCALE as proposed)	Grant	2019 - Watershed Based Funding Metro (Coon Creek WD)
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 09/11/2018