



Grant All-Detail Report Watershed Based Funding Metro 2019

Grant Title - 2019 - Watershed Based Funding Metro (Eagan-Inver Grove Heights Watershed Management Organization)

Grant ID - P19-3295

Organization - Eagan-Inver Grove Heights Watershed Management Organization

Original Awarded Amount	\$124,160.00	Grant Execution Date	10/22/2018
Required Match Amount	\$12,416.00	Original Grant End Date	12/31/2021
Required Match %	10%	Grant Day To Day Contact	Ashley Gallagher
Current Awarded Amount	\$124,160.00	Current End Date	12/31/2022

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$124,160.00	\$77,575.24	\$46,584.76
Total Match Amount	\$1,542,040.00	\$286,937.96	\$1,255,102.04
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$1,666,200.00	\$364,513.20	\$1,301,686.80

*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	Administration /Coordination	Current State Grant	2019 - Watershed Based Funding Metro (Eagan-Inver Grove Heig..	\$6,208.00	\$3,489.24	3/31/2021	N
Eagan TMDL Projects	Urban Stormwater Management Practices	Current State Grant	2019 - Watershed Based Funding Metro (Eagan-Inver Grove Heig..	\$73,354.00	\$29,488.00	2/4/2020	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Eagan TMDL Projects	Urban Stormwater Management Practices	Local Fund	Eagan Local Funds	\$1,508,960.00	\$279,536.65	2/4/2020	Y
Lebanon Hills SWA Projects	Urban Stormwater Management Practices	Current State Grant	2019 - Watershed Based Funding Metro (Eagan-Inver Grove Heig..	\$22,729.31	\$22,729.31	4/20/2021	N
Lebanon Hills SWA Projects	Urban Stormwater Management Practices	Local Fund	Dakota County Local Funds	\$33,080.00	\$7,401.31	4/20/2021	Y
Schulze Lake Alum Treatment	Non-Structural Management Practices	Current State Grant	2019 - Watershed Based Funding Metro (Eagan-Inver Grove Heig..	\$15,110.00	\$15,110.00	2/4/2020	N
Technical and Engineering	Technical/Engineering Assistance	Current State Grant	2019 - Watershed Based Funding Metro (Eagan-Inver Grove Heig..	\$6,758.69	\$6,758.69	4/20/2021	N

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
712M - Bioretention Basin	1	1	1 COUNT	1 COUNT
712M - Bioretention Basin	1		1 COUNT	COUNT
468 - Lined Waterway or Outlet	1	1	1 COUNT	1 COUNT
563M - Alum addition - In Lake	1	1	1 COUNT	1 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
PHOSPHORUS (EST. REDUCTION)	39.90	LBS/YR

Grant Activity

Grant Activity - Administration	
Description	<p>E-IGHWMO administrator will manage the State funds and local match to include tracking time, referencing BWSR Grants Administration Manual, providing interim and final eLINK reports, financial record keeping, providing website updates and developing a feasibility study.</p> <p>It is anticipated that the E-IGHWMO will enter into a JPA with Dakota County SWCD for 2018-2021 to administer the FY19 grant. The final workplan will be loaded to eLink once approved by both organizations.</p>
Category	ADMINISTRATION/COORDINATION
Start Date	22-Oct-18
End Date	
Has Rates and Hours?	Yes
Actual Results	<p>JPA's were executed with the City of Eagan and Dakota County. The Feasibility Study for Schulze Lake was submitted and approved by BWSR. There was coordination on projects before, during and after implementation.</p> <p>Coordination with City of Eagan and Dakota County continues, as well as keeping the E-IGHWMO Board updated. Grant extended to December 31, 2022.</p>

Grant Activity - Eagan TMDL Projects

Description	<p>Funds will be used to install two projects from the Eagan Neighborhood Lakes TMDL and Management Plans Report (2015).</p> <p>Project design, construction, oversight and certification will be provided through contractors. The City of Eagan will contract and manage the project. E-IGHWMO will provide oversight for grant management purposes.</p> <p>E-IGHWMO will enter into a JPA with the City of Eagan to allow grant dollars to pass through. Grant funds will only be used towards construction costs. The JPA will be uploaded to eLink upon approval by both entities.</p>		
Category	URBAN STORMWATER MANAGEMENT PRACTICES		
Start Date	22-Oct-18	End Date	
Has Rates and Hours?	No		
Actual Results	<p>One of two TMDL projects, the iron enhanced sand filter for pond DP-3 in Le May Lake watershed, was completed at the end of 2019. Coordination on results and payment will occur in 2020.</p> <p>The Carlson Lake TMDL Filtration System project is being assessed. The City of Eagan completed an Alum Treatment and is weighing the cost/benefit of further reductions from the proposed Filtration System.</p> <p>In 2020, LeMay Lake project payment/reporting was completed. Carlson Lake had a further study done by the City of Eagan and Wenck to fine-tune the cost-benefit of the filtration system. City of Eagan intends to move forward with the project but construction timeline is not yet determined.</p> <p>In 2021, JPA amended to allow shifting of funds to the Carlson Project. Carlson Lake project was contracted but unable to be constructed due to materials shortage. Construction will occur in 2022. Grant extended by a year to accommodate delays.</p>		

Activity Action - Le May Lake TMDL - IESF			
Practice	712M - Bioretention Basin	Count of Activities	1
Description	The City of Eagan went out for bid on the project in Spring 2019. Construction started in July and was complete by September. Wenck was contracted for project design and construction oversight. Wenck assigned a Certified Professional Engineer to the project. The JPA between the City of Eagan and E-IGHWMO establishes the City as the responsible entity for maintenance over the next 25 years.		
Proposed Size / Units	1.00 COUNT	Lifespan	25 Years
Actual Size/Units	1.00 COUNT	Installed Date	12-Sep-19
Mapped Activities	1 Point(s)	Technical Assistance Provider	

Final Indicator for Le May Lake TMDL - IESF			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	28
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	Le May Lake		

Activity Action - Carlson Lake Filtration System			
Practice	712M - Bioretention Basin	Count of Activities	1
Description	Project was identified as part of the Eagan Lakes TMDL and would reduce the amount of phosphorus entering the lake. Project is still in the design phase.		
Proposed Size / Units	1.00 COUNT	Lifespan	25 Years
Actual Size/Units	COUNT	Installed Date	
Mapped Activities	No	Technical Assistance Provider	

Grant Activity - Lebanon Hills SWA Projects

Description	<p>Funds will be used to install a project from the Lebanon Hills Regional Park Subwatershed Assessment (2017).</p> <p>Project design, construction, oversight and certification will be provided through contractors. Dakota County will contract and manage the project. E-IGHWMO will provide oversight for grant management purposes.</p> <p>E-IGHWMO will enter into a JPA with Dakota County to allow grant dollars to pass through. Grant funds will only be used towards construction costs. The JPA will be uploaded to eLink upon approval by both entities.</p>		
Category	URBAN STORMWATER MANAGEMENT PRACTICES		
Start Date	22-Oct-18	End Date	
Has Rates and Hours?	No		
Actual Results	<p>The Holland Lake Channel project has been surveyed and is in the design phase. The project requires coordination and acceptance of the design by many partners, including Dakota County Parks.</p> <p>In 2020, the Holland Lake project was completed. Invoices are being processed, contractor invoices were under budget. A workplan amendment may be requested to shift funds to a new T/E activity to support the Holland Lake work.</p> <p>In 2021, project costs exceeded the County-EIGHWMO JPA amount, final payment was made and T/E for the Holland Lake project was shifted into its own eLink activity. Activity is complete.</p>		

Activity Action - Holland Lake Channel Stabilization			
Practice	468 - Lined Waterway or Outlet	Count of Activities	1
Description	Gully erosion is occurring in the drainage from the Tamarack Swamp to Holland Lake. A channel stabilization project will hold soil in place, slow water flow and therefore reduce the amount of soil that reaches the lake.		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	7-Dec-20
Mapped Activities	1 Line(s)	Technical Assistance Provider	SWCD

Final Indicator for Holland Lake Channel Stabilization			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	1
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	Holland Lake		

Grant Activity - Schulze Lake Alum Treatment

Description	<p>Alum treatment for Schulze Lake consistent with the Lebanon Hills Subwatershed Assessment (2017) and the Schulze Lake Feasibility Study.</p> <p>Project design, construction, oversight and certification will be provided through contractors. Dakota County will contract and manage the project. E-IGHWMO will provide oversight for grant management purposes.</p> <p>E-IGHWMO will enter into a JPA with Dakota County to allow grant dollars to pass through. The JPA will be uploaded to eLink upon approval by both entities.</p>		
Category	NON-STRUCTURAL MANAGEMENT PRACTICES		
Start Date	22-Oct-18	End Date	01-Oct-19
Has Rates and Hours?	No		
Actual Results	<p>JPA completed in 2019. The Schulze Lake alum treatment project started in the fall of 2019 with the first dose of alum being applied. A second dose is still planned for fall 2020. Dakota County will monitor water quality during the 2020 season. Partners will work on processing a partial payment in 2020.</p> <p>Partial payment was made in early 2020. Water monitoring by Dakota County occurred through out the season. Assessment of effectiveness began.</p> <p>In 2021, water monitoring continued and the consultant determined one dose to be effective in meeting reduction goals. Decision made that a second dose of alum was not needed. Activity is complete.</p>		

Activity Action - Schulze Lake Alum Treatment			
Practice	563M - Alum addition - In Lake	Count of Activities	1
Description	Aluminum sulfate treatment for phosphorus in Schulze lake		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	1-Oct-19
Mapped Activities	1 Point(s)	Technical Assistance Provider	Private Consultant

Final Indicator for Schulze Lake Alum Treatment			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	10.9
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	Schulze Lake		

Grant Activity - Technical and Engineering

Description	Survey, design, construction oversight and certification for Holland Lake Channel Stabilization. Work to be completed by Dakota SWCD.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	22-Oct-18	End Date	07-Dec-20
Has Rates and Hours?	Yes		
Actual Results	<p>In 2019, the project was surveyed and designed. Project was awaiting review by partners, including Dakota County Parks.</p> <p>In 2020, the project was constructed and certified. Project was checked throughout the first season and remained effective. Workplan shift to T/E activity needed.</p> <p>In 2021, project was paid and workplan change was made. Activity is complete.</p>		

Grant Attachments

Document Name	Document Type	Description
2019 WBIF Metro amendment EXECUTED	Grant Agreement Amendment	
2019 Watershed Based Funding Metro	Grant Agreement	2019 Watershed Based Funding Metro - Eagan-Inver Grove Heights Watershed Management Organization
2019 Watershed Based Funding Metro EXECUTED	Grant Agreement	2019 Watershed Based Funding Metro - Eagan-Inver Grove Heights Watershed Management Organization
2021 P19-3295 Grant Amendment	Grant Agreement Amendment	
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/28/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/09/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/27/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/26/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/21/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/23/2020

Document Name	Document Type	Description
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/02/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/29/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/07/2022
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/07/2022
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/31/2022
Alum Effectiveness Memo	Grant	2019 - Watershed Based Funding Metro (Eagan-Inver Grove Heights Watershed Management Organization)
Collaborative PTM Implementation Plan	Grant	2019 - Watershed Based Funding Metro (Eagan-Inver Grove Heights Watershed Management Organization)
Executed Assurance Agreement P19-3295	Journal	Journal Dated - 08/24/2021
Expense Log	Grant	2019 - Watershed Based Funding Metro (Eagan-Inver Grove Heights Watershed Management Organization)
Financial Report - Signed	Grant	2019 - Watershed Based Funding Metro (Eagan-Inver Grove Heights Watershed Management Organization)
JPA with Eagan	Grant	2019 - Watershed Based Funding Metro (Eagan-Inver Grove Heights Watershed Management Organization)
JPA with SWCD	Grant	2019 - Watershed Based Funding Metro (Eagan-Inver Grove Heights Watershed Management Organization)
Key Milestones	Grant	2019 - Watershed Based Funding Metro (Eagan-Inver Grove Heights Watershed Management Organization)
Schulze lake Feasibility Study_FINAL	Grant	2019 - Watershed Based Funding Metro (Eagan-Inver Grove Heights Watershed Management Organization)
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 11/01/2021
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 11/30/2021
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 10/11/2018
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 09/21/2018