



Grant All-Detail Report 2013 - Accelerated Implementation Grant

Grant Title - 2013 - Accelerated Implementation Grant - Sauk River WD (WSHED)

Grant ID - C13-0349

Organization - Sauk River WD

Grant Awarded Amount	\$72,950.00	Grant Execution Date	
Required Match Amount	\$18,237.50	Grant End Date	1/1/2020
Required Match %	25%	Grant Day To Day Contact	Lynn Nelson

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$72,950.00	\$67,478.03	\$5,471.97
Total Match Amount	\$21,500.00	\$27,740.25	\$-6,240.25
Total Other Funds	\$1,000.00	\$0.00	\$1,000.00
Total	\$95,450.00	\$95,218.28	\$231.72

*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
BMP STRATEGY - ACCELERATED IMPLEMENTATION - TECHNICAL ASSISTANCE	Technical/Engineering Assistance	Current State Grant	2013 - Accelerated Implementation Grant - Sauk River WD (WSHED)	\$60,750.00	\$55,319.16	12/31/2015	N
BMP STRATEGY - ACCELERATED IMPLEMENTATION - TECHNICAL ASSISTANCE	Technical/Engineering Assistance	Local Fund	ORGANIZATION MATCHING FUNDS - SRWD	\$17,000.00	\$21,779.50	7/1/2014	Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
BMP STRATEGY - ACCELERATED IMPLEMENTATION - TECHNICAL ASSISTANCE	Technical/Engineering Assistance	Other State funds not in eLINK	ORGANIZATION MATCHING FUNDS WITHIN THE SRWD	\$1,000.00			Y
BMP STRATEGY - ACCELERATED IMPLEMENTATION - ADMINISTRATIVE-PROJECT MNGT & REPORTING -	Administration/Coordination	Current State Grant	2013 - Accelerated Implementation Grant - Sauk River WD (WSHED)	\$2,300.00	\$2,265.53	9/30/2015	N
BMP STRATEGY - ACCELERATED IMPLEMENTATION - ADMINISTRATIVE-PROJECT MNGT & REPORTING -	Administration/Coordination	Landowner Fund	INKIND MATCH- Landowners - in SRWD	\$1,000.00			Y
BMP STRATEGY - ACCELERATED IMPLEMENTATION - ADMINISTRATIVE-PROJECT MNGT & REPORTING -	Administration/Coordination	Local Fund	ORGANIZATION MATCHING FUNDS - WITHIN THE SRWD	\$1,000.00	\$1,580.75	7/6/2015	Y
BMP STRATEGY - ACCELERATED IMPLEMENTATION-PROJECT DEVELOPMENT	Project Development	Current State Grant	2013 - Accelerated Implementation Grant - Sauk River WD (WSHED)	\$3,900.00	\$3,891.80	12/31/2013	N
BMP STRATEGY - ACCELERATED IMPLEMENTATION-PROJECT DEVELOPMENT	Project Development	Landowner Fund	INKIND MATCH- Landowners - in SRWD	\$1,000.00			Y
BMP STRATEGY - ACCELERATED IMPLEMENTATION-PROJECT DEVELOPMENT	Project Development	Local Fund	ORGANIZATION MATCHING FUNDS - WITHIN THE SRWD	\$500.00	\$4,380.00	12/31/2013	Y
TA-COMPUTER EQUIPMENT FOR NEW TOOLS	Agricultural Practices	Current State Grant	2013 - Accelerated Implementation Grant - Sauk River WD (WSH..	\$6,000.00	\$6,001.54	10/20/2015	N

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
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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
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Grant Activity

Grant Activity - BMP STRATEGY - ACCELERATED IMPLEMENTATION - TECHNICAL ASSISTANCE

<p>Description</p>	<p>The HSPF model conducted on the Sauk River watershed by MPCA's consultant was done at a large watershed-wide scale. The SRWD will contract technical assistance to further define the model to smaller subwatershed scale within each management area, resulting in a more subwatershed specific priority action plan. Additional model scenarios will be run to determine what types of BMPs would be most effective for each area. A consultant will be contracted to create a web based, interactive, multi-layered map showing priority areas within the SRWD and link it to the SRWD supporting database for SRWD and others to access while in the field to assist in Targeting priority BMPs. Information will be shared and completed projects will be tracked for all agencies to review. A contracted consultant will assist the SRWD to develop the land-use based runoff rates for the Water Management Districts to generate funds from an annual stormwater runoff fee. The SRWD and its consultants will work with local agencies to develop a successful targeting tool to implement BMPS in a cost effective manner.</p>		
<p>Category</p>	<p>TECHNICAL/ENGINEERING ASSISTANCE</p>		
<p>Start Date</p>	<p>2-Feb-13</p>	<p>End Date</p>	
<p>Has Rates and Hours?</p>	<p>No</p>		

Actual Results

2015- RESPEC presented Water Management unit Tool and HSPF results to new SRWD Board members to demonstrate the WMU tool and how the HSPF assists in targeting and implementing BMP projects. Staff continues to address the watershed boundaries utilizing more accurate digital data and compiling the database. Adjust budget to cover cost of computer for targeting tools.

Dec 31 2014- SRWD worked with legal counsel to correct watershed boundaries in order to initiate the WMU fees. 7-14-2014 The SRWD worked with RESPEC to develop a hydrologic and water- quality model of SRWD using HSPF. Simulations of watershed runoff volumes and P loads were used to develop runoff coefficients and phosphorus export coefficients for multiple land classifications. Coefficients were applied to parcels to determine relative contribution of each parcel for surface water runoff and P loads within each MU. Cost per parcel for volume and P will be based on this contribution. The SRWD received a Coefficient generator and fee calculation tool (in excel) for future use.

Met with partners to review the HSPF model, scenarios and demonstrated the MU runoff rates. HSPF scenario results were reported and shared with project partners. Houston completed a GIS review of the SRWD's legal boundaries versus geological boundaries. Results were presented to the SRWD Board for discussion. RESPEC presented the WMU fee schedule and explained the runoff coefficients for TP and volume. SRWD continues to develop and build the BMP data base.

2013 The SRWD worked with Houston to develop wireframes and run through examples, and adjusted as needed, for database. Information will be linked to the interactive map which will be made available to county agencies on website. RESPEC has been working on the HSPF modeling for the subwatershed areas to determine the priority areas. The Districts is working with RESPEC developing scenarios to run for each subwatershed to determine cost effective BMPs.

Grant Activity - BMP STRATEGY - ACCELERATED IMPLEMENTATION -ADMINISTRATIVE-PROJECT MNGT & REPORTING -

Description	<p>The SRWD's Advance Watershed-wide BMP Implementation Strategy CWF project will address impaired water resources through a three phase process. CWF dollars will be used to conduct an advanced sub-watershed model utilizing the MPCA's initial HSPF watershed wide model and refining it to a smaller scale. Sharing priority information, data and tracking completed BMP projects with local agencies through a web based mapping tool. The SRWD will use CWF dollars to develop a Basic Water Management project under MN state statute 103D.720 to activate "water management districts" (WMD) within the SRWD to generate annual funds for project assistance. Funds from this CWF project will be used for SRWD staff to track project progress, reporting, expenditures tracking, and expenses generated to completed 103D statutory requirements, such as public notices for funding.</p>		
Category	ADMINISTRATION/COORDINATION		
Start Date	2-Feb-13	End Date	
Has Rates and Hours?	No		
Actual Results	<p>December 2015- tracked project expenditures and worked with local agencies to track BMPs completed within the SRWD. December 31 2014- SRWD staff tract inkind and staff expenses. Worked with the local partners to begin tracking BMP projects.</p> <p>July 2014: Tracked the in-kind match from the District for the modeling and MU portion of the project, processed invoices and payment requests. Tracked all expenditures and completed the required semiannual progress report and expenditures and entered in Elink.</p> <p>2013: BMP project information was compiled in an excel spreadsheet and screened for any duplications. The final spreadsheet will be converted into an access spreadsheet for the web-based data base. Additional information will need to be added manually.</p> <p>Tracked the in-kind match from the District for the database portion of the project - SRWD funds used to create database for interactive mapping tool.</p> <p>Completed the required semiannual report and expenditures tracking.</p>		

Grant Activity - BMP STRATEGY - ACCELERATED IMPLEMENTATION-PROJECT DEVELOPMENT

<p>Description</p>	<p>This project will utilize technology to determine where high priority runoff areas are within the Sauk River watershed. CWF dollars will be used to conduct an advanced sub-watershed model utilizing the MPCA’s initial HSPF watershed wide model and refining it to a smaller scale. CWF dollars will be used to develop a web based database and interactive mapping system to improve communication with local agencies. CWF funds will also be used to develop the Water Management Districts stormwater utility funding system. CWFs will be to for SRWD staff and consultants to develop the initial framework for the database to present to the local project partners to get their input on the how the database will work, and access to the database. Funds will be used for SRWD staff and consultant's time to develop the model scenarios for the HSPF model and gather data for the water management districts. This would also include presentations to the SRWD and SWCD boards and other local agencies.</p>		
<p>Category</p>	<p>PROJECT DEVELOPMENT</p>		
<p>Start Date</p>	<p>2-Feb-13</p>	<p>End Date</p>	
<p>Has Rates and Hours?</p>	<p>No</p>		
<p>Actual Results</p>	<p>December 2015. Work with landowners in identifying sites and surveying drainage areas.</p> <p>July 2014: Met with project partners to discuss possible scenarios to run for the HSPF model - The group chose four scenarios : 1)agriculture achievable, 2) agriculture aggressive, 3) urban achievable, and 4) urban aggressive.</p> <p>2013 BMP project information was compiled in an excel spreadsheet and screened for any duplications. The final spreadsheet will be converted into an access spreadsheet for the web-based data base. Additional information will need to be added manually.</p> <p>Worked with RESPEC to develop landuse categories and types to run the HSPF model scenarios and to run the runoff coefficients for each water management unit.</p>		

Grant Activity - TA-COMPUTER EQUIPMENT FOR NEW TOOLS

Description	Computer Equipment for GIS and WMU tools		
Category	AGRICULTURAL PRACTICES		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results	Purchased a Dell Computer large enough to run the HSPF model data, the WMU assessment tool and other GIS tools needed to track BMP efforts within the SRWD		

Grant Attachments

Document Name	Document Type	Description
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/13/2014
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/02/2014
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/08/2015
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/20/2015
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/20/2015
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 07/08/2013
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/20/2015
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/20/2015
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/11/2016
Amendment	Grant	2013 - Accelerated Implementation Grant - Sauk River WD (WSHED)
SRWD Second Payment Request	Grant	2013 - Accelerated Implementation Grant - Sauk River WD (WSHED)
grant_app_general-added.rpt	Grant	2013 - Accelerated Implementation Grant - Sauk River WD (WSHED)