



Grant Workplan Targeted Watershed 2015

Grant Title - 2015 - Targeted Watershed (Scott County WMO)

Grant ID - P15-0833

Organization - Scott County WMO

Grant Awarded Amount	\$2,200,000.00	Grant Execution Date	
Required Match Amount	\$550,000.00	Grant End Date	3/31/2019
Required Match %	25%	Grant Day To Day Contact	Ryan Holzer

Budget Summary

	Budgeted	Spent	Balance Remaining
Total Grant Amount	\$2,200,000.00	\$0.00	\$2,200,000.00
Total Match Amount	\$613,500.00	\$0.00	\$613,500.00
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$2,813,500.00	\$0.00	\$2,813,500.00

**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	Local Fund	Scott WMO levy	\$100,000.00			Y
Citizen Engagement - General Outreach	Education/Information	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$10,000.00			N
Citizen Engagement - General Outreach	Education/Information	Local Fund	Scott WMO levy	\$10,000.00			Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Citizen Engagement - Land Owner Surveys	Special Projects	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$55,000.00			N
Cover crop & Nutrient Management Pilots	Non-Structural Management Practices	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$25,000.00			N
Cover crop & Nutrient Management Pilots	Non-Structural Management Practices	Local Fund	Scott WMO levy	\$10,000.00			Y
Final Report	Administration /Coordination	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$25,000.00			N
Final Report	Administration /Coordination	Local Fund	Scott WMO levy	\$7,500.00			Y
In-Lake Management - McMahan Lk Alum Application	Special Projects	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$40,000.00			N
In-Lake Management - McMahan Lk Alum Application	Special Projects	Local Fund	Scott WMO levy	\$40,000.00			Y
Project Development	Project Development	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$5,000.00			N
Project Development	Project Development	Local Fund	Scott WMO levy, MAWRC Funds	\$66,000.00			Y
TACS Program - Agricultural Structural	Agricultural Practices	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$200,000.00			N
TACS Program - Agricultural Structural	Agricultural Practices	Local Fund	Scott WMO levy and Land Owner share	\$120,000.00			Y
TACS Program - Wetland Rest	Wetland Restoration/Cr eation	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$40,000.00			N
TACs Program - Agricultural Nonstructural	Agricultural Practices	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$240,000.00			N
Targeted Capital Projects	Streambank or Shoreline Protection	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$860,000.00			N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Targeted Capital Projects	Streambank or Shoreline Protection	Local Fund	Scott WMO levy or LGU	\$100,000.00			Y
Targeted Riparian Projects	Streambank or Shoreline Protection	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$120,000.00			N
Targeted Riparian Projects	Streambank or Shoreline Protection	Local Fund	Scott WMO	\$20,000.00			Y
Technical/Engineering Assistance	Technical/Engineering Assistance	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$580,000.00			N
Technical/Engineering Assistance	Technical/Engineering Assistance	Local Fund	Scott WMO levy	\$140,000.00			Y

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Size / Unit
563M - Alum addition - In Lake	1	0	0 AC
590 - Nutrient Management	1	0	0 AC
340 - Cover Crop	1	0	0 AC

Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
---------------	----------------	---------------	-----------	------------------	----------

Grant Activity

Grant Activity - Administration	
Description	<p>This activity consists of financial and contract management with vendors and partners, financial tracking, overall coordination, project management and reporting.</p> <p>Existing contracts between Scott County and the SWCDs will either be amended to include the new work under the grant, or new contracts will be completed. A new contract will also be put in place for Great River Greening's efforts, and for Engineering firms as they are selected. An agreement or Letter of Understanding will be completed with MAWRC documenting their contributions to the project. Contracts and Agreements will be posted to e-Link as attachments as they are completed. It is anticipated that agreements/contracts will be completed in March 2015.</p> <p>Reporting will consist of semi-annual reports through e- Link and it is anticipated that results in terms of number of practices encumbered and completed will be included in tabular form, as well as reporting actual on-the-ground results. The end of year report, each year, will also include a brief assessment of progress toward the project goals.</p> <p>Staff lead for this activity and qualifications are presented in Work Plan Attachment 2. The schedule/gant chart for the project including this Activity is presented in Work Plan Attachment 1.</p>
Category	ADMINISTRATION/COORDINATION
Rates and Hours	

Grant Activity - Citizen Engagement - General Outreach	
Description	<p>Citizen Engagement - General Outreach. This activity consists of the development and distribution of general outreach materials such as press releases, fact sheets, success stories, etc.</p> <p>Staff lead for this activity and qualifications are presented in Work Plan Attachment 2. The schedule/gant chart for the project including this Activity is presented in Work Plan Attachment 1.</p>
Category	EDUCATION/INFORMATION
Rates and Hours	

Grant Activity - Citizen Engagement - Land Owner Surveys

Description

This activity consists of completing two surveys. One is a land owner participation satisfaction survey where participants in the TACS program will be surveyed to determine their motivations for participating, how they learned of the TACS program, why they selected the practice(s) they did, how the process went, whether they got satisfactory service, whether the practice is performing as expected, and what we could do better.

The second survey is a repeat of the 2011 survey of Sand Creek watershed land owners, and comparison with the 2011 results to determine if program efforts since that time have reached land owners and affected any of their values and beliefs.

The satisfaction survey will be completed winter/spring of 2017, and the Sand Creek survey in 2018.

Staff lead for this activity and qualifications are presented in Work Plan Attachment 2. The schedule/gant chart for the project including this Activity is presented in Work Plan Attachment 1.

Category

SPECIAL PROJECTS

Rates and Hours

Grant Activity - Cover crop & Nutrient Management Pilots

<p>Description</p>	<p>This activity consists of completing cover crop and nutrient management demonstrations and pilots. This effort will be complemented and promoted through the Farmer Co-op (Activity number 10.b). For nutrient management, expenses will take the form of an incentive payment. For cover crops several approaches will be tried likely including incentive payments, aggregating interested landowners into a single contract with an aerial applicator, and/or purchase of a drill with clearance for late season seeding for interested parties to try and use. Incentive payment rates for nutrient management and payment processes are detailed in the 2015 Scott WMO Cost Share and Incentive Program Docket (Attached). It is anticipated that cover crop incentive rates will follow NRCS rates subjects to some adjustments based on advice from the Farmer Led Co-op (Activity 10.b).</p> <p>It is anticipated that implementation efforts under this activity will start in 2016 since 2015 will focus on startup and organization of the Farmer co-op.</p> <p>This activity will be lead by the Scott SWCD and coordinated with the Farm Led Co-op. Other SWCDs will assist. Staff lead for this activity and qualifications are presented in Work Plan Attachment 2. The schedule/gant chart for the project including this Activity is presented in Work Plan Attachment 1.</p>
<p>Category</p>	<p>NON-STRUCTURAL MANAGEMENT PRACTICES</p>
<p>Rates and Hours</p>	

Activity Action - Watershed Treatments - Cover crop & Nutrient Management Pilots

<p>Practice</p>	<p>590 - Nutrient Management</p>	<p>Count of Activities</p>	<p>2</p>
<p>Description</p>	<p>Incentive for soil testing, nutrient management planning, and nutrient management</p>		
<p>Proposed Size / Units</p>	<p>1000 AC</p>	<p>Lifespan</p>	<p>1 Year</p>

Activity Action - Watershed Treatments - Cover crop & Nutrient Management Pilots

<p>Practice</p>	<p>340 - Cover Crop</p>	<p>Count of Activities</p>	<p>2</p>
<p>Description</p>	<p>Acreage in cover crop pilots through either incentive, joint contracting, or equipment availability</p>		
<p>Proposed Size / Units</p>	<p>100 AC</p>	<p>Lifespan</p>	<p>5 Years</p>

Grant Activity - Final Report	
Description	<p>This activity consists of evaluating the entirety of the grant project, using project metrics, quantifying final outcomes, identifying lessons learned, and producing a final report.</p> <p>Staff lead for this activity and qualifications are presented in Work Plan Attachment 2. The schedule/gant chart for the project including this Activity is presented in Work Plan Attachment 1.</p>
Category	ADMINISTRATION/COORDINATION
Rates and Hours	

Grant Activity - In-Lake Management - McMahan Lk Alum Application	
Description	<p>This activity consists of applying alum to McMahan Lake. This effort is complemented by Activity 11.d Technical /Engineering Assistance. As part of Activity 11.d the effort will be managed by the Scott WMO, a consultant will be used for the sediment core analysis and dosing, and a vendor selected by competitive process for the actual application.</p> <p>This activity will be led by Scott County. Staff lead for this activity and qualifications are presented in Work Plan Attachment 2. The schedule/gant chart for the project including this Activity is presented in Work Plan Attachment 1.</p>
Category	SPECIAL PROJECTS
Rates and Hours	

Activity Action - In-Lake Management - McMahan Lk Alum Application			
Practice	563M - Alum addition - In Lake	Count of Activities	1
Description	Alum treatment McMahan Lake		
Proposed Size / Units	80 AC	Lifespan	15 Years

Grant Activity - Project Development

Description

This activity consists of a number of efforts (largely staff) supporting other activities. A detailed budget and schedule for each effort under this task is provided in Work Plan Attachment 1. Staff lead for the various efforts under this Activity and qualifications are presented in Work Plan Attachment 2.

The various efforts include the following:

Activity 10.a Project Management, outreach and land owner contacts supporting Activity 5: Targeted Riparian Projects.

Activity 10.b Coordination of the Farmer Led Co-op.

Activity 10.c Hosting a Thank You event for cooperators, partners and the public.

Activity 10.d Manage 2 to 3 of the riparian projects as volunteer opportunities.

Category

PROJECT DEVELOPMENT

Rates and Hours

Grant Activity - TACS Program - Agricultural Structural

Description

This Activity consists of installing structural agricultural practices in accordance with the Prioritization and Targeting goals articulated in Attachment 3. Cost share amounts, payments, and installation will follow the specifications in the 2015 Scott WMO Cost Share Program Conservation Practice Payment Docket. The Docket is updated annually. Eligible practices include: critical area planting, diversion, grade stabilization structure, grassed waterway, terrace, underground outlet, streambank stabilization, and water and sediment control basin.

It is estimated that about 50 to 60 practices will be installed.

This Activity will be lead by the Scott SWCD with assistance from Scott County, and the other SWCDs under related Activity 11.a Technical/Engineering Assistance.

Practice approval, design, installation, inspection and maintenance will follow protocol in the 2015 Scott WMO Cost Share Program Conservation Practice Payment Docket (updated annually, copy attached). The Docket uses NRCS and BWSR specifications. A 10 to 15 year contract will be executed with the land owner (Attachment 9), inspections are completed at roughly three year intervals over the contract term, and land owners/operators are provided O&M Guidance (Attachment 10). Prioritization and targeting for land owner contacts and practice promotion will follow the Prioritized, Targeted and Measureable Goals statement processes included as Attachment 3.

Category

AGRICULTURAL PRACTICES

Rates and Hours

Grant Activity - TACS Program - Wetland Rest

Description	<p>This Activity consists of wetland restoration in accordance with the Prioritization and Targeting goals articulated in Attachment 3. Cost share amounts, payments, and installation will follow the specifications in the 2015 Scott WMO Cost Share Program Conservation Practice Payment Docket. The Docket is updated annually.</p> <p>It is estimated that about 20 acres of restoration will be targeted.</p> <p>This Activity will be lead by the Scott SWCD with assistance from Scott County, and the other SWCDs under related Activity 11.a Technical/Engineering Assistance.</p> <p>Practice approval, design, installation, inspection and maintenance will follow protocol in the 2015 Scott WMO Cost Share Program Conservation Practice Payment Docket (updated annually, copy attached). The Docket uses NRCS and BWSR specifications. A 15 year contract will be executed with the land owner (Attachment 9), and inspections are completed at roughly five year intervals over the contract term.</p>
Category	WETLAND RESTORATION/CREATION
Rates and Hours	

Grant Activity - TACs Program - Agricultural Nonstructural

Description	<p>This Activity consists of installing non-structural practices in accordance with the Prioritization and Targeting goals articulated in Attachment 3. Cost share amounts, payments, and installation will follow the specifications in the 2015 Scott WMO Cost Share Program Conservation Practice Payment Docket. The Docket is updated annually. Eligible practices include: filter strip (harvestable and non-harvestable), native grass, natural shoreline restoration and/or stabilization, and riparian buffer with native vegetation.</p> <p>It is estimated that about 100 acres of practices will be installed.</p> <p>This Activity will be lead by the Scott SWCD with assistance from Scott County, and the other SWCDs under related Activity 11.a Technical/Engineering Assistance.</p> <p>Practice approval, design, installation, inspection and maintenance will follow protocol in the 2015 Scott WMO Cost Share Program Conservation Practice Payment Docket (updated annually, copy attached). The Docket uses NRCS and BWSR specifications. A 10 to 15 year contract will be executed with the land owner (Attachment 9), inspections are completed at roughly three year intervals over the contract term, and land owners/operators are provided O&M Guidance (Attachment 10). Prioritization and targeting for land owner contacts and practice promotion will follow the Prioritized, Targeted and Measureable Goals statement processes included as Attachment 3.</p>
Category	AGRICULTURAL PRACTICES
Rates and Hours	

Grant Activity - Targeted Capital Projects

Description	<p>This activity consists of constructing several targeted capital projects for controlling near channel sediment sources. The projects will be in either the Middle Sand Creek or the Picha Creek subwatersheds. Targeting will be based on areas identified in previous studies, and will be refined based on a Feasibility Study completed under the Technical/Engineering Assistance Activity 11.b.</p> <p>Construction of the projects is scheduled for the fall of 2016 and 2017 with the fall of 2018 held in reserve for construction.</p> <p>Staff lead for this activity and qualifications are presented in Work Plan Attachment 2. The schedule/gant chart for the project including this Activity is presented in Work Plan Attachment 1.</p> <p>Design will be completed by qualified professionals selected by competitive process. Design will also geomorphic principals in order to work with natural stream processes and maximize the life of the improvement. Contractor selection will follow approved County procurement processes. Either perpetual easements (including access agreements) will be obtained, temporary easements for the life of the improvement, or a contract will be entered into with the land owner for construction, maintenance and access for the life expectancy of the improvements estimated as 20 -25 years (subject to BWSR review and approval).</p>
Category	STREAMBANK OR SHORELINE PROTECTION
Rates and Hours	

Grant Activity - Targeted Riparian Projects

Description	<p>This activity consists of riparian vegetation improvements along Sand Creek and its tributaries at 8 to 10 targeted locations. The effort will be lead by Great River Greening under related efforts in Activity 10.a Project Development, and Activity 11.c Technical Engineering/Assistance..</p> <p>Staff lead for this activity and qualifications are presented in Work Plan Attachment 2. The schedule/gant chart for the project including this Activity is presented in Work Plan Attachment 1.</p> <p>Land owners will be required to enter into a 15 year contract (Attachment 9). Specifications for riparian vegetation/buffers will be developed specifically for the project area considering NRCS/BWSR specifications, and may be tailored for individual sites. Land owners will be provided with O&M guidance, and completed plantings will be inspected at about 5 year increments.</p>
Category	STREAMBANK OR SHORELINE PROTECTION
Rates and Hours	

Grant Activity - Technical/Engineering Assistance

Description	<p>This task consists of multiple technical and engineering related efforts supporting various activities. A detailed budget and schedule for each effort under this task is provided in Work Plan Attachment 1. Staff lead for the various efforts under this activity and qualifications are presented in Work Plan Attachment 2.</p> <p>The various efforts include the following:</p> <p>Activity 11.a is the staffing at the three SWCDs to assist land owners with design, inspection and implementation of practices, and a 1/2 time FTE at Scott County to assist and coordinate. Prioritization and targeting for land owner contacts and practice promotion will follow the Prioritized, Targeted and Measureable Goals statement processes included as Attachment 3.</p> <p>Activity 11.b is the staffing and outside engineering necessary to manage and complete property owner contacts, feasibility assessment, design, bidding, and construction supervision for Activity 3: Targeted Capital Projects.</p> <p>Activity 11.c is the staffing necessary to complete the planting designs/pallets and coordination of implementation for Activity 5: Targeted Riparian Projects.</p> <p>Activity 11.d is the staffing and outside engineering expertise needed to complete the alum dosing study, bid documents, and construction supervision for Activity 6: In-Lake Phosphorus Reduction.</p>
Category	TECHNICAL/ENGINEERING ASSISTANCE
Rates and Hours	

Grant Attachments

Document Name	Document Type	Description
2015 Docket adopted	Grant	2015 - Targeted Watershed (Scott County WMO)
2015 Targeted Watershed	Grant Agreement	2015 Targeted Watershed - Scott County WMO
Attachment 1 Targeted Grant Work Plan	Grant	2015 - Targeted Watershed (Scott County WMO)
Attachment 10 OnM	Grant	2015 - Targeted Watershed (Scott County WMO)
Attachment 2: Work Plan - Staff	Grant	2015 - Targeted Watershed (Scott County WMO)

Document Name	Document Type	Description
Attachment 3: Prioritized, Targeted and Measurable Goals	Grant	2015 - Targeted Watershed (Scott County WMO)
Attachment 4: Sand Creek Watershed Demonstration Program Grant Application	Grant	2015 - Targeted Watershed (Scott County WMO)
Attachment 5: Example Contract	Grant	2015 - Targeted Watershed (Scott County WMO)
Attachment 6: Example language of a drainage and utility easement	Grant	2015 - Targeted Watershed (Scott County WMO)
Attachment 7: Memorandum of Understanding	Grant	2015 - Targeted Watershed (Scott County WMO)
Attachment 8: Temporary Construction Easement Language	Grant	2015 - Targeted Watershed (Scott County WMO)
Attachment 9: Example TACS Contract	Grant	2015 - Targeted Watershed (Scott County WMO)
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 02/26/2015
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 01/14/2015