



Grant All-Detail Report SWCD Local Capacity Services 2018

Grant Title - 2018 - SWCD Local Capacity Services (Rock SWCD)

Grant ID - P18-1302

Organization - Rock SWCD

Original Awarded Amount	\$118,226.00	Grant Execution Date	1/17/2018
Required Match Amount	\$0.00	Original Grant End Date	12/31/2020
Required Match %	0%	Grant Day To Day Contact	Mary Thompson
Current Awarded Amount	\$118,226.00	Current End Date	12/31/2020

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$118,226.00	\$118,226.00	\$0.00
Total Match Amount	\$18,226.00	\$18,226.00	\$0.00
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$136,452.00	\$136,452.00	\$0.00

**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
Excess Nutrients	Technical/Engineering Assistance	Current State Grant	2018 - SWCD Local Capacity Services (Rock SWCD)	\$9,000.00	\$9,000.00	12/31/2019	N
GIS Needs	Technical/Engineering Assistance	Current State Grant	2018 - SWCD Local Capacity Services (Rock SWCD)	\$5,400.00	\$9,084.88	12/31/2019	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Soil Erosion Administration/Coordination	Administration /Coordination	Current State Grant	2018 - SWCD Local Capacity Services (Rock SWCD)	\$7,400.00	\$5,195.09	12/31/2019	N
Soil Erosion Administration/Coordination	Administration /Coordination	Local Fund	County Match	\$1,400.00	\$1,400.00	12/31/2019	Y
Soil Erosion Technician	Technical/Engineering Assistance	Current State Grant	2018 - SWCD Local Capacity Services (Rock SWCD)	\$96,426.00	\$94,946.03	12/31/2020	N
Soil Erosion Technician	Technical/Engineering Assistance	Local Fund	County Match	\$16,826.00	\$16,826.00	12/31/2019	Y
Water Storage and Treatment	Technical/Engineering Assistance	Current State Grant	2018 - SWCD Local Capacity Services (Rock SWCD)	\$0.00			N

Activity Details Summary

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

Proposed Activity Indicators

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

Final Indicators Summary

Indicator Name	Total Value	Unit
----------------	-------------	------

Grant Activity

Grant Activity - Excess Nutrients

Description	<p>Funds will be used for local staff and contracted staff in working with landowners and farm operators in the two drinking water supply management areas and those areas where elevated levels of nitrates have been found in groundwater resources. Staff will work to educate landowners and farm operators on the benefits of Best Management Practices and aid in their implementation.</p> <p>With the current results from the MDA Targeted Township private well survey showing over 50 percent of the private wells exceeding Department of Health nitrate standards, our plan is to meet with producers and review their nitrogen/nutrient management practices specific to their respective cropping operations. We will present probable solutions to crop production practices in the interest of reducing nitrate leaching into the vulnerable aquifers and the 7 high priority townships identified in the survey. The practices promoted will include reduction or elimination of fall nitrogen application, split nitrogen applications, use of nitrification inhibitors, and cover crops.</p> <p>Estimated contracted staff time: \$1,000.00</p>		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	17-Jan-18	End Date	31-Dec-19
Has Rates and Hours?	Yes		
Actual Results	<p>2019:</p> <p>Staff have met personally with crop farmers in the DWSMA area around the public wells to promote Best Management Practices (BMPs) for Nitrogen Management. Through education and incentives the farmers have adopted the nitrogen BMPs of no fall application, split application, nitrification inhibitors, variable rate application per soil type and lower rates of nitrogen. Additionally, staff have worked extensively with landowners closest to the wells to enroll their farm ground into a permanent easement program and seeded to permanent prairie grass.</p> <p>Areas outside of the DWSMAs staff have reviewed nutrient management plans of feedlot operators to ensure allowed application rates for nitrogen, BMPs for nitrogen management and educating agronomists on the new ground water rule concerning nitrogen.</p> <p>2019 SWCD Staff Time</p> <p>Assistant Director: $115 \times 61.52 = \\$7,074.80$</p> <p>Engineer Technician: $42 \times 46.67 = 1,960.14$</p> <p>Total: \$9,034.94</p>		

Grant Activity - GIS Needs		
Description	<p>Funds will be used to cover the cost of annual ongoing maintenance/licenses for advanced GIS products the County has already invested in for the purposes of designing conservation practices and computing alternative practices subject to the Buffer Law.</p> <p>Since the Rock County USDA Service Center has moved to another location, Rock LMO/SWCD staff has lost much of their access to the USDA computer systems and programming for designing conservation practices and computing alternative practices subject to the Buffer Law. In September of 2017, Rock County invested \$25,299.00 into advanced GIS systems for these services. To continue the ongoing licensing, the cost to the Rock County Land Management Office will be no less than \$5,884.</p>	
Category	TECHNICAL/ENGINEERING ASSISTANCE	
Start Date	17-Jan-18	End Date
Has Rates and Hours?	No	
Actual Results	<p>Paid 2018 ESRI Invoice 93438614 for \$2,801.54 attached in documents.</p> <p>Paid 2019 ESRI invoice for \$6,258.34. Increase is for the addition of the 3D Analyst and Spacial Analyst for one staff Engineer Tech and the Spacial Analyst for two staff Engineer Techs.</p> <p>Paid: \$2,598.46 from GIS Needs \$2,204.91 from Soil Admin \$1,479.97 from Soil Tech Total: 6,283.34</p>	

Grant Activity - Soil Erosion Administration/Coordination

Description	Funds will be spent by the SWCD staff to complete the administration of this grant. The administration includes, but is not limited to, completing the required E-link reporting, supervision of new staff hired in 2016. Other tasks include coordination of the activities associated with this grant, such as the purchase of equipment and supplies for such staff, providing administrative and clerical support for staff, providing/obtaining IT support, and updating the SWCD Board and County Board of Commissioners on the progress of grant activities.		
Category	ADMINISTRATION/COORDINATION		
Start Date	17-Jan-18	End Date	31-Dec-19
Has Rates and Hours?	Yes		
Actual Results	<p>2019 - Staff has completed administration of the grant agreement, completed ELINK reporting and updated the SWCD and County Boards on the progress of the grant activity.</p> <p>SWCD staff has supervised and coordinated ongoing training for staff hired after 2016 and for new staff hired in 2019.</p> <p>Office Manager: 5 x 30.27 = 151.35</p> <p>Director: 16.5 x 69.88 = 1153.02</p> <p>Assistant Director: 86 x 61.52 = 5290.12</p> <p>Total: 6,595.09</p> <p>Remaining balance of \$2,204.91 spent in GIS Needs to cover ESRI invoice.</p>		

Description

Funds will be used for staff hired in 2016 and shall work with landowners to implement conservation practices in the interest of reducing/mitigating/controlling soil erosion on lands within Rock County. Through this grant, the Rock LMO/SWCD will provide/obtain training for this staff to possess/obtain certifications deemed appropriate for providing the services necessary to the landowners within Rock County. This grant will also assist in obtaining the training and certifications necessary to further develop existing staff allowing the Rock LMO/SWCD to provide a higher degree of professional conservation oriented services and expertise to the landowners of Rock County.

Estimated contracted staff time for LMO/SWCD staff training \$30,000.00

Start Date

17-Jan-18

End Date

31-Dec-20

Has Rates and Hours?

Yes

Actual Results

2018 - Technicians have continued additional training on NRCS Toolkit, GPS Total Station Survey Equipment, have field shadowed NRCS Field Staff and Jay Murphy (Centrol Consultant, Former Rock County NRCS Technician) and Dawn Madison (SW Prairie TSA Consultant, former NRCS employee), have done survey and design review with TSA Engineer. Technicians have been working with landowners to implement conservation practices through initial contact, site assessment & evaluation, survey and design according to NRCS standards, review of project proposal and estimate with landowners and overseeing implementation of the project. One technician has attained TA, second technician is working toward TA.

Technician 1:

$$43.5 \times 36.40 = 1583.40$$

Technician 2:

$$88.25 \times 36.24 = 3198.18$$

Total staff time: 4781.58

2019:

Staff continued training and working with landowners as they did in 2018.

SWCD Staff:

Eningeer Technician

$$460.5 \times 43.06 = 19,829.13$$

Engineer Technician

$$1175 \times 40.62 = 47,728.50$$

Engineer Technician

$$127.75 \times 36.57 = 4,671.82$$

Total: 72,229.45 (\$16,826.00 used for match)

Additional \$1,479.97 spent in GIS Needs to cover ESRI invoice. Remaining Soil Tech funds to spend \$34,761.00.

2020 - Staff continued work as they did in 2018 and 2019.

Engineer Tech

$$464 \times 36.28 = 16,883.92$$

Engineer Tech

428 x 41.92 = 17,941.76
 Total: 34,775.68

Grant Activity - Water Storage and Treatment

Description	<p>Funds will be used for staff to work with landowners and farm operators to replace and/or enhance wetlands on private lands in order to reduce runoff, rate, and volume, as well as treat the water discharged into the wetland in order to reduce pollution.</p> <p>There have been two probable site identified for wetland replacement. The largest site is approximately 15 acres in size. The specific standards employed would be the NRCS wetland practices of 657, 658, or 659. The Southwest Prairie Technical Service Area would provide the engineering services involved in the planning, design, and oversight of the construction of these wetland site.</p> <p>Estimated contract staff time with SW Prairie TSA \$2,000.00</p>		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	17-Jan-18	End Date	31-Dec-19
Has Rates and Hours?	Yes		
Actual Results	12/31/2019 - There has been no interest in this activity and staff does not foresee any interest moving forward. This funding moved to Excess Nutrients.		

Grant Attachments

Document Name	Document Type	Description
2018 SWCD Capacity Amendment EXECUTED - Rock SWCD	Grant	2018 - SWCD Local Capacity Services (Rock SWCD)
2018 SWCD Capacity Amendment UNEXECUTED - Rock SWCD	Grant	2018 - SWCD Local Capacity Services (Rock SWCD)
2018/2019 Programs and Operations Grants	Grant Agreement	2018/2019 SWCD Programs and Operations Grants - Rock SWCD
2018/2019 Programs and Operations Grants executed	Grant Agreement	2018/2019 SWCD Programs and Operations Grants - Rock SWCD
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/27/2021

Document Name	Document Type	Description
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/03/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/03/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/11/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/31/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/04/2021
County Match Funds	Grant	2018 - SWCD Local Capacity Services (Rock SWCD)
ESRI Invoice	Grant	2018 - SWCD Local Capacity Services (Rock SWCD)
Financial Report	Grant	2018 - SWCD Local Capacity Services (Rock SWCD)
Selected Budget Report	Grant	2018 - SWCD Local Capacity Services (Rock SWCD)
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 01/05/2018
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 12/01/2017
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 08/31/2017
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 02/21/2018
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 01/22/2020