



Grant All-Detail Report Cost Share 2019

Grant Title - 2019 - State Cost-Share Fund (Cottonwood SWCD)

Grant ID - P19-6923

Organization - Cottonwood SWCD

Original Awarded Amount	\$14,091.00	Grant Execution Date	12/6/2017
Required Match Amount	\$3,522.75	Original Grant End Date	12/31/2020
Required Match %	25%	Grant Day To Day Contact	Kay Gross
Current Awarded Amount	\$14,091.00	Current End Date	12/31/2020

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$13,169.82	\$5,183.57	\$8,907.43
Total Match Amount	\$9,735.41	\$2,100.56	\$7,634.85
Total Other Funds	\$8,942.83	\$10,419.83	\$-1,477.00
Total	\$31,848.06	\$17,703.96	\$15,065.28

*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
18-02 Steve Halland	Agricultural Practices	Current State Grant	2019 - State Cost-Share Fund (Cottonwood SWCD)	\$2,796.86	\$2,796.86	9/26/2019	N
18-02 Steve Halland	Agricultural Practices	Landowner Fund	Landowner Cash Match	\$932.34	\$1,553.53	9/26/2019	Y
18-02 Steve Halland	Agricultural Practices	Other Funds	2018 - State Cost-Share Fund (Cottonwood SWCD)	\$6,707.17	\$6,707.17	9/26/2019	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
18-02 Steve Halland	Agricultural Practices	Other Funds	Landowner Contribution	\$2,235.66	\$3,712.66	9/26/2019	Y
19-01 Clark Fast Cancelled	Wind Erosion	Current State Grant	2019 - State Cost-Share Fund (Cottonwood SWCD)	\$0.00			N
19-01 Clark Fast Cancelled	Wind Erosion	Landowner Fund	Landowner cash match	\$0.00			Y
19-02 City of Mt Lake	Forestry Practices	Current State Grant	2019 - State Cost-Share Fund (Cottonwood SWCD)	\$1,350.00	\$1,350.00	6/27/2019	N
19-02 City of Mt Lake	Forestry Practices	Landowner Fund	Landowner Cash Match	\$300.00	\$300.00	6/27/2019	Y
19-02 City of Mt Lake	Forestry Practices	Local Fund	District Tree Program Profit Donation	\$247.03	\$247.03	6/27/2019	Y
19-03 Shirley Matzke	Agricultural Practices	Current State Grant	2019 - State Cost-Share Fund (Cottonwood SWCD)	\$4,029.76			N
19-03 Shirley Matzke	Agricultural Practices	Landowner Fund	Landowner cash match	\$578.04			Y
19-04 Rod Fruehling	Conservation Drainage	Current State Grant	2019 - State Cost-Share Fund (Cottonwood SWCD)	\$675.00			N
19-04 Rod Fruehling	Conservation Drainage	Landowner Fund	Landowner cash match	\$225.00			Y
19-05 City of Mt Lake	Forestry Practices	Current State Grant	2019 - State Cost-Share Fund (Cottonwood SWCD)	\$1,500.00			N
19-05 City of Mt Lake	Forestry Practices	Landowner Fund	City cash match	\$500.00			Y
Administration and Technical Assistance	Technical/Engineering Assistance	Current State Grant	2019 - State Cost-Share Fund (Cottonwood SWCD)	\$2,818.20	\$1,036.71	9/26/2019	N

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
612 - Tree/Shrub Establishment	1	2	1560 LINEAR FEET	1560 LINEAR FEET
412 - Grassed Waterway and Swales	1	1	1300 LINEAR FEET	1300 LINEAR FEET

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
172M - Alternative Tile Intake - Gravel Inlet	1	1	1 COUNT	COUNT
412 - Grassed Waterway and Swales	1	1	1859 LINEAR FEET	1859 LINEAR FEET
612 - Tree/Shrub Establishment	2	2	800 LINEAR FEET	LINEAR FEET

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
SOIL (EST. SAVINGS)	3.33	TONS/YR
SEDIMENT (TSS)	3.34	TONS/YR
NUTRIENTS (NITRATE)	0.50	LBS/YR
PHOSPHORUS (EST. REDUCTION)	4.82	LBS/YR

Grant Activity - 18-02 Steve Halland

Description	18-02 Steve Halland: The SWP TSA is assisting in the engineering of this grassed waterway project on behalf of the Cottonwood SWCD. The project is slated for construction during 2019. **18-02 Steve Halland contract is split between FY2018 Cost-Share funds and FY2019 Cost Share funds**		
Category	AGRICULTURAL PRACTICES		
Start Date	28-Jun-18	End Date	26-Sep-19
Has Rates and Hours?	No		

Actual Results

18-02 Steve Halland-
Approved C-S contract 6-28-18; Grassed Waterway, Storden section 8.
Project cost: \$12,672.00
C-S encumbered: 9,504.00
(Amendment 9/25/18 to get landowner up to 75%, original C-S was \$9,300.17 due to District funds at the time of original encumbrance)

Construction slated for 2019 due to wet weather conditions in 2018.

Halland project overall total = \$12,672.00

Total 2018 = \$8942.80
State Funds = \$6,707.14
Match Funds = \$2,235.66 (24.99%)

Total 2019 = \$3,729.20
State Funds = \$2,796.86
Match Funds = \$932.34 (25.0%)

****18-02 Steve Halland contract is split between FY2018 Cost-Share funds and FY2019 Cost Share funds****

Waterway was completed in 2019 construction season. Cost-share was spent 9/26/19.

Final total cost: \$14,770.19

Total 2018 = \$10,419.80
State Funds = \$6,707.14
Match Funds = \$3,712.66 (35.6%)

Total 2019 = \$4,350.39
State Funds = \$2,796.86
Match Funds = \$1,553.53 (35.7%)

Activity Action - 18-02 Steve Halland			
Practice	412 - Grassed Waterway and Swales	Count of Activities	1
Description	Install grassed waterway in Storden section 8		
Proposed Size / Units	1,859.00 LINEAR FEET	Lifespan	15 Years
Actual Size/Units	1,859.00 LINEAR FEET	Installed Date	9-Aug-19
Mapped Activities	1 Polygon(s)		

Final Indicator for 18-02 Steve Halland			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	3.82
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	29077		
Final Indicator for 18-02 Steve Halland			
Indicator Name	SOIL (EST. SAVINGS)	Value	3.33
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	29077		
Final Indicator for 18-02 Steve Halland			
Indicator Name	SEDIMENT (TSS)	Value	3.33
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	29077		

Grant Activity - 19-01 Clark Fast Cancelled			
Description	Field windbreak (380) located in Midway township section 29 SW 1/4. Project will install 1 row of trees/shrubs approximately 800 feet in length.		
Category	WIND EROSION		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results	19-01 Clark Fast - Approved C-S contract 2-28-2019; Field Windbreak Midway 29. Project Cost - \$550.00 C-S Encumbered - \$412.50 Match - \$137.50 6/10/2019 Landowner requested to cancel contract.		

Grant Activity - 19-02 City of Mt Lake			
Description	Tree Planting (612) for urban stormwater management around stormwater pond in Mountain Lake section 4.		
Category	FORESTRY PRACTICES		
Start Date	28-Feb-19	End Date	27-Jun-19
Has Rates and Hours?	No		
Actual Results	<p>The Cottonwood SWCD encumbered \$1,350.00 based on an estimated cost of \$1,800.00.</p> <p>The tree planting consisted of two rows of mixed trees/shrubs, one on the north side of the pond and one on the south side of the pond for a total of 1,560 feet.</p> <p>Total cost: \$1,897.03 FY19 Cost Share: \$1,350.00 Landowner contribution: \$300.00 District Tree Program Profit Donation: \$247.03</p>		

Activity Action - 19-02 City of Mt Lake			
Practice	612 - Tree/Shrub Establishment	Count of Activities	1
Description	1560 feet of trees in two rows, one on north side and one on south side of pond		
Proposed Size / Units	1,560.00 LINEAR FEET	Lifespan	20 Years
Actual Size/Units	1,560.00 LINEAR FEET	Installed Date	8-Apr-19
Mapped Activities	2 Polygon(s)		

Final Indicator for 19-02 City of Mt Lake			
Indicator Name	SEDIMENT (TSS)	Value	.0065
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Literature Value
Waterbody	31058		

Final Indicator for 19-02 City of Mt Lake			
Indicator Name	NUTRIENTS (NITRATE)	Value	.5
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Literature Value
Waterbody	31058		

Final Indicator for 19-02 City of Mt Lake			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	1
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Literature Value

Waterbody	31058
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Grant Activity - 19-03 Shirley Matzke	
Description	Grassed Waterway (412) for Shirley Matzke located in Highwater section 36.
Category	AGRICULTURAL PRACTICES
Start Date	25-Apr-19
End Date	
Has Rates and Hours?	No
Actual Results	<p>Grassed waterway was designed by the SWPTSA and earthwork and tile construction was completed October 2019. Weather conditions did not allow for seeding or mulching, which will have to be completed Spring 2020.</p> <p>Total estimated cost: \$11,560.80 Cost-Share encumbered: \$4,029.76 Landowner match: \$578,04</p>

Activity Action - 19-03 Shirley Matzke			
Practice	412 - Grassed Waterway and Swales	Count of Activities	1
Description	Grassed waterway 1300 feet in length		
Proposed Size / Units	1,300.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	1,300.00 LINEAR FEET	Installed Date	26-Sep-19
Mapped Activities	1 Polygon(s)		

Grant Activity - 19-04 Rod Fruehling	
Description	Alternative Intake (rock intake) practice for Rod Fruehling in Amboy section 8.
Category	CONSERVATION DRAINAGE
Start Date	26-Sep-19 End Date
Has Rates and Hours?	No
Actual Results	<p>Landowner to install rock intake as an alternative tile intake in Amboy section 8.</p> <p>Total estimated cost: \$900.00 Cost share encumbered: \$675.00 Landowner match: \$225.00</p>

Activity Action - 19-04 Rod Fruehling			
Practice	172M - Alternative Tile Intake - Gravel Inlet	Count of Activities	1
Description	Rock intake		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	COUNT	Installed Date	
Mapped Activities	1 Point(s)		

Grant Activity - 19-05 City of Mt Lake	
Description	Tree rows installed as part of stormwater pond runoff. Two rows installed on either side of stormwater pond #2 in Mountain Lake township section 4.
Category	FORESTRY PRACTICES
Start Date	End Date
Has Rates and Hours?	No
Actual Results	

Activity Action - 19-05 City of Mt Lake			
Practice	612 - Tree/Shrub Establishment	Count of Activities	2
Description	Two tree rows to establish on either side of stormwater pond #2		
Proposed Size / Units	800.00 LINEAR FEET	Lifespan	20 Years
Actual Size/Units	LINEAR FEET	Installed Date	
Mapped Activities	2 Polygon(s)		

Grant Activity - Administration and Technical Assistance

Description	The Cottonwood SWCD staff will oversee the Administration and Technical aspects of all State Cost-Share Projects. If projects are above a job class approval authority authorized for our office the District will use the Southwest Prairie TSA Engineer - Russell Hoogendoorn; Area II River Basin Inc. Engineer Joe DeSchepper and NRCS Civil Engineering Technician Paul Spartz.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	13-Dec-17	End Date	
Has Rates and Hours?	No		
Actual Results	<p>January - December 2017: No grant activity.</p> <p>JANUARY - DECEMBER 2018:</p> <p>18-02 - Steve Halland encumbered. Technical provided by David Bucklin, District Technician. TOTAL: \$699.21</p> <p>(FUNDS HAVE BEEN ENCUMBERED FOR THESE PROJECTS BUT SPENT - SO AT THIS TIME FUNDING IS NOT BEING EXPENDED THROUGH ELINK. STAFF TIME HAS BEEN COMPLETED BUT T&E COST-SHARE FUNDS MAY NOT BE GIVEN TO THE DISTRICT FOR ALL THE PROJECTS.) FUNDS WILL BE RECORDED WHEN PROJECTS HAVE BEEN COMPLETED).</p> <p>JANUARY - DECEMBER 2019:</p> <p>18-02 - Steve Halland completed. Technical provided by David Bucklin, District Technician. TOTAL: \$699.21</p> <p>19-02 - City of Mt Lake completed. Technical provided by David Bucklin, District Technician. TOTAL: \$337.50</p> <hr/>		

Grant Attachments

Document Name	Document Type	Description
2018/2019 Programs and Operations Grants	Grant Agreement	2018/2019 SWCD Programs and Operations Grants - Cottonwood SWCD
2018/2019 Programs and Operations Grants executed	Grant Agreement	2018/2019 SWCD Programs and Operations Grants - Cottonwood SWCD
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/28/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/14/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/29/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/13/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/25/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/23/2020