



## Grant All-Detail Report 2013 - Clean Water Assistance Grant

**Grant Title** - 2013 - Clean Water Assistance Grant - South Washington WD (WSHED)

**Grant ID** - C13-4630

**Organization** - South Washington WD

<b>Grant Awarded Amount</b>	<b>\$566,500.00</b>	<b>Grant Execution Date</b>	
<b>Required Match Amount</b>	\$141,625.00	<b>Grant End Date</b>	1/1/2020
<b>Required Match %</b>	25%	<b>Grant Day To Day Contact</b>	

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$566,500.00	\$566,500.00	\$0.00
Total Match Amount	\$169,950.00	\$249,289.06	\$-79,339.06
Total Other Funds	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$736,450.00</b>	<b>\$815,789.06</b>	<b>\$-79,339.06</b>

\*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
CWF FY2013 Colby Water ReUse Grant Administration and Coordination	Administration /Coordination	Current State Grant	2013 - Clean Water Assistance Grant - South Washington WD (WSHED)	\$0.00			N
CWF FY2013 Colby Water ReUse Grant Administration and Coordination	Administration /Coordination	Local Fund	Local in-kind match Grant Administration for CWF FY2013 Colby Water ReUse	\$5,000.00	\$4,958.00	10/9/2015	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
CWF FY2013 Colby Water ReUse Technical/Engineering	Technical/Engineering Assistance	Current State Grant	2013 - Clean Water Assistance Grant - South Washington WD (WSHED)	\$0.00			N
CWF FY2013 Colby Water ReUse Technical/Engineering	Technical/Engineering Assistance	Local Fund	City of Woodbury in-kind match Technical/Engineering for CWF FY2013 Colby Water ReUse	\$10,000.00	\$10,000.00	9/8/2015	N
CWF FY2013 Colby Water ReUse Technical/Engineering	Technical/Engineering Assistance	Local Fund	Washington County in-kind match Technical/Engineering for CWF FY2013 Colby Water ReUse	\$139,169.94	\$139,169.94	9/8/2015	N
Eagle Valley Golf Course Re-use System	Special Projects	Current State Grant	2013 - Clean Water Assistance Grant - South Washington WD (WSHED)	\$218,000.00	\$211,328.85	9/9/2015	N
Eagle Valley Golf Course Re-use System	Special Projects	Local Fund	Colby-Bailey Water Reuse-Local Match	\$65,400.00	\$52,832.22	1/2/2014	Y
Prestwick Golf Course Reuse System	Special Projects	Current State Grant	2013 - Clean Water Assistance Grant - South Washington WD (WSHED)	\$348,500.00	\$355,171.15	9/9/2015	N
Prestwick Golf Course Reuse System	Special Projects	Local Fund	Colby-Bailey Water Reuse-Local Match	\$104,550.00	\$196,456.84	9/9/2015	Y

### Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
636 - Water Reuse	2	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
<b>VOLUME REDUCED (ACRE-FEET/YEAR)</b>	120.00	ACRE-FEET/YR
<b>PHOSPHORUS (EST. REDUCTION)</b>	100.00	LBS/YR

## Grant Activity

### Grant Activity - CWF FY2013 Colby Water ReUse Grant Administration and Coordination

<b>Description</b>	<p>Grant administration and coordination for the CWF FY2013 Colby Water ReUse grant. All administration and coordination was completed by SWWD Water Resources Program Manager John Loomis. No grant funds were used for this initiative, nor are local funds identified as match.</p> <p>This initiative includes development and execution of a funding agreement with Washington County and City of Woodbury outlining funding participation of each entity and detailing operation and maintenance and inspection requirements. Through executed agreements, the City of Woodbury is ultimately responsible for ensuring operation and maintenance of the completed water re-use systems for the expected lifetime (25 yrs) of the BMPs. Executed agreements are attached.</p>		
<b>Category</b>	ADMINISTRATION/COORDINATION		
<b>Start Date</b>	1-Apr-13	<b>End Date</b>	20-Oct-15
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	All activities are complete; systems are operational, construction contracts are closed, final payment has been made to Washington County, and reporting is complete with submission of this final report.		

**Grant Activity - CWF FY2013 Colby Water ReUse Technical/Engineering**

<b>Description</b>	Washington County and City of Woodbury are responsible for all technical and engineering initiatives under this grant, including project design and construction management and oversight. While engineering consultants are contracted for the work, all approvals will be made by Wayne Sandberg, Washington County Engineer and Klayton Eckles, City of Woodbury Engineer. Funding for their time is provided by the County and City and is not part of this grant or identified local match. The City engineer will also be responsible for ensuring ongoing operation and maintenance of the reuse systems as detailed in the project agreement.		
<b>Category</b>	TECHNICAL/ENGINEERING ASSISTANCE		
<b>Start Date</b>	1-Apr-13	<b>End Date</b>	08-Sep-15
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	Estimates of County and City staff time and costs for consultants have been included in this final report. Costs were substantial, reflecting the total cost of the project and necessary coordination in installing reuse systems on two existing golf courses.		

**Grant Activity - Eagle Valley Golf Course Re-use System**

<b>Description</b>	The proposed project includes pumping water from an existing retention basin (City pond CD-P47.1) to the Eagle Valley Golf Course's irrigation pond. This nutrient laden water which would otherwise drain to Colby Lake will then be used for irrigation of the golf course, largely reducing the golf course's current reliance on groundwater for irrigation. When the irrigation pond is at capacity, water pumped out of CD-P47.1 will be diverted to existing pond CD-P47.5 (upstream of CD-P47.1) which will result in recirculation of water through several additional ponds as a means to provide additional treatment. Necessary project assurances will be developed as part of the Coordination/Administration Initiative attached to this project.		
<b>Category</b>	SPECIAL PROJECTS		
<b>Start Date</b>	1-Nov-13	<b>End Date</b>	08-Sep-15
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	The system is operational and is being operated and maintained as required under executed agreements. The engineers estimate for the Eagle Valley system was \$283,400.00. The lump sum bid price for the system was \$270,000.00. The final cost of the system was \$264,161.07, after excluding some change orders for primarily aesthetic enhancements. Excess grant funds from the Eagle Valley system have been redirected to the Prestwick system. Washington County has documented expenditures and SWWD has reimbursed the County for the full grant amount. SWWD is now requesting the final 10% grant disbursement from BWSR.		

Activity Action - Eagle Valley Golf Course Re-Use System			
Practice	636 - Water Reuse	Count of Activities	1
Description	Eagle Valley Golf Course Re-Use System		
Proposed Size / Units	1.00 COUNT	Lifespan	25 Years
Actual Size/Units	1.00 COUNT	Installed Date	8-Sep-15

Final Indicator for Eagle Valley Golf Course Re-Use System			
Indicator Name	VOLUME REDUCED (ACRE-FEET/YEAR)	Value	67
Indicator Subcategory/Units	STORMWATER MANAGEMENT ACRE-FEET/YR	Calculation Tool	Other
Waterbody	Colby Lake		
Final Indicator for Eagle Valley Golf Course Re-Use System			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	56
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	Colby Lake		

Grant Activity - Prestwick Golf Course Reuse System			
Description	Existing City ponds CD-P58 and CD-P58.1 will be modified to provide one contiguous reservoir which will receive water via the existing drainage system. A new pump station and related infrastructure will deliver water from the new CD-P58/58.1 reservoir to the existing golf course irrigation system. When irrigation is unnecessary, water will be diverted to other existing ponds within the golf course with high infiltration rates. The new reuse system will result in extensive irrigation of the golf course with nutrient laden water that would otherwise drain to Bailey Lake in place of pumped groundwater. Necessary project assurances will be developed as part of the Coordination/Administration Initiative attached to this project.		
Category	SPECIAL PROJECTS		
Start Date	1-Nov-13	End Date	08-Sep-15
Has Rates and Hours?	No		
Actual Results	<p>The system is operational and is being operated and maintained as required under executed agreements. The engineer's estimate for the Prestwick system was \$453,050.00. The lump sum bid for the system was \$380,000.00. The final cost was \$551,627.99 which reflects substantial change orders necessary to ensure that the newly graded holding pond holds stormwater and can provide a source for irrigation. Given the increased cost, SWWD has redirected excess funds from the Eagle Valley system to Prestwick, and identified increased local match.</p> <p>Washington County has documented all expenditures and SWWD has fully reimbursed them for the total amount of the grant. SWWD is now requesting the final 10% grant disbursement from BWSR.</p>		

Activity Action - Prestwick Golf Course Re-Use System			
Practice	636 - Water Reuse	Count of Activities	1
Description	Prestwick Golf Course water re-use system.		
Proposed Size / Units	1.00 COUNT	Lifespan	25 Years
Actual Size/Units	1.00 COUNT	Installed Date	8-Sep-15

Final Indicator for Prestwick Golf Course Re-Use System			
Indicator Name	VOLUME REDUCED (ACRE-FEET/YEAR)	Value	53
Indicator Subcategory/Units	STORMWATER MANAGEMENT ACRE-FEET/YR	Calculation Tool	Other
Waterbody	Bailey Lake		
Final Indicator for Prestwick Golf Course Re-Use System			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	44
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	Bailey Lake		

## Grant Attachments

Document Name	Document Type	Description
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 03/11/2014
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 02/27/2014
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/28/2015
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/22/2014
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 03/11/2014
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 05/15/2015
<b>Budget Revision Request 2015-09-23</b>	Journal	Journal Dated - 09/25/2015
<b>Eagle Valley Agreement</b>	Grant	2013 - Clean Water Assistance Grant - South Washington WD (WSHED)
<b>Final County Pay Request</b>	Grant	2013 - Clean Water Assistance Grant - South Washington WD (WSHED)
<b>Final Financial Report</b>	Grant	2013 - Clean Water Assistance Grant - South Washington WD (WSHED)
<b>Funding Agreement</b>	Grant	2013 - Clean Water Assistance Grant - South Washington WD (WSHED)
<b>Interim Financial Report</b>	Grant	2013 - Clean Water Assistance Grant - South Washington WD (WSHED)
<b>Prestwick Agreement</b>	Grant	2013 - Clean Water Assistance Grant - South Washington WD (WSHED)
<b>Project Story</b>	Grant	2013 - Clean Water Assistance Grant - South Washington WD (WSHED)
<b>Project Story PDF</b>	Grant	2013 - Clean Water Assistance Grant - South Washington WD (WSHED)

Document Name	Document Type	Description
<b>SWWD Vendor Ledger 01312014</b>	Grant	2013 - Clean Water Assistance Grant - South Washington WD (WSHED)
<b>Vendor Ledger</b>	Grant	2013 - Clean Water Assistance Grant - South Washington WD (WSHED)
<b>Washington County Pay Estimate and Work Certification</b>	Grant	2013 - Clean Water Assistance Grant - South Washington WD (WSHED)
<b>grant_app_general-added.rpt</b>	Grant	2013 - Clean Water Assistance Grant - South Washington WD (WSHED)