



## Grant All-Detail Report

### Septic Treatment Systems Upgrade - NRBG 2017

**Grant Title** - 2017 - Septic Treatment Systems Upgrade - NRBG (Washington County)

**Grant ID** - P17-5893S

**Organization** - Washington County

<b>Original Awarded Amount</b>	<b>\$17,752.00</b>	<b>Grant Execution Date</b>	
<b>Required Match Amount</b>	<b>\$0.00</b>	<b>Original Grant End Date</b>	12/31/2018
<b>Required Match %</b>	<b>0%</b>	<b>Grant Day To Day Contact</b>	Jessica Collin-Pilarski
<b>Current Awarded Amount</b>	<b>\$17,752.00</b>	<b>Current End Date</b>	12/31/2018

#### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$17,752.00	\$17,752.00	\$0.00
Total Match Amount	\$13,804.00	\$13,804.00	\$0.00
Total Other Funds	\$9,748.00	\$9,748.00	\$0.00
<b>Total</b>	<b>\$41,304.00</b>	<b>\$41,304.00</b>	<b>\$0.00</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
SSTS Replacement	Subsurface Sewage Treatment Systems	Current State Grant	2017 - Septic Treatment Systems Upgrade - NRBG (Washington C..	\$11,000.00	\$11,000.00	6/12/2018	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
SSTS Replacement	Subsurface Sewage Treatment Systems	Landowner Fund	landowner contribution	\$13,804.00	\$13,804.00	6/12/2018	Y
SSTS Replacement	Subsurface Sewage Treatment Systems	Other Funds	2017 - Septic Treatment Systems Upgrade #2 - NRBG (Washingto..	\$5,500.00	\$5,500.00	7/11/2017	N
SSTS Replacement - partial 2017 #2	Subsurface Sewage Treatment Systems	Current State Grant	2017 - Septic Treatment Systems Upgrade - NRBG (Washington C..	\$5,457.00	\$5,457.00	9/21/2017	N
SSTS Replacement - partial 2017 #2	Subsurface Sewage Treatment Systems	Other Funds	2017 - Septic Treatment Systems Upgrade #2 - NRBG (Washingto..	\$43.00	\$43.00	9/21/2017	N
SSTS Replacement 2018 partial	Subsurface Sewage Treatment Systems	Current State Grant	2017 - Septic Treatment Systems Upgrade - NRBG (Washington C..	\$1,295.00	\$1,295.00	12/31/2018	N
SSTS Replacement 2018 partial	Subsurface Sewage Treatment Systems	Other Funds	2018 - Septic Treatment Systems Upgrade - NRBG (Washington C..	\$4,205.00	\$4,205.00	12/31/2018	N

### Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
126M - Septic System Improvement	4	4	1 COUNT	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>BOD 5</b>	1,008.00	LBS/YR
<b>PATHOGENS (E. COLI)</b>	206,400,000,000,000.00	CFU
<b>Total Suspended Solids (TSS)</b>	390.00	Mg/L
<b>NITROGEN</b>	75.00	LBS/YR
<b>PHOSPHORUS (EST. REDUCTION)</b>	36.00	LBS/YR

### Grant Activity

Grant Activity - SSTS Replacement	
<b>Description</b>	Assist low-income property owners with financial assistance in replacing a failed subsurface sewage treatment system.
<b>Category</b>	SUBSURFACE SEWAGE TREATMENT SYSTEMS
<b>Start Date</b>	<b>End Date</b>
<b>Has Rates and Hours?</b>	No
<b>Actual Results</b>	<p>No funds expended in 2016.</p> <p>rants were awarded on a first come, first serve basis, using income eligibility requirements from USDA. Our partner the Community Development Agency (CDA) reviews financial data for applicants. We broke awards into two tiers: low income and very low income.</p> <p>In 2017, the county awarded 1 full grant and 1 partial grant with these grant funds. (the balance of the second grant then came from another grant source, but it was small, so the system is accounted for in this report).</p> <p>In 2018, the county awarded one full grant and one partial grant utilizing these funds.</p>

Activity Action - SSTS Replacement #1 in Lake Elmo			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	SSTS installed according to county ordinance and MN state rules.		
Proposed Size / Units	1.00 COUNT	Lifespan	30 Years
Actual Size/Units	COUNT	Installed Date	7-Sep-17
Mapped Activities	1 Point(s)		

Final Indicator for SSTS Replacement #1 in Lake Elmo			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	4
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		
Final Indicator for SSTS Replacement #1 in Lake Elmo			
Indicator Name	PATHOGENS (E. COLI)	Value	2.58E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		
Final Indicator for SSTS Replacement #1 in Lake Elmo			
Indicator Name	NITROGEN	Value	17
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		
Final Indicator for SSTS Replacement #1 in Lake Elmo			
Indicator Name	Total Suspended Solids (TSS)	Value	42
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		
Final Indicator for SSTS Replacement #1 in Lake Elmo			
Indicator Name	BOD 5	Value	76
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

Activity Action - SSTS Replacement 2018 #2 in Scandia			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	SSTS installed according to county ordinance and MN state rules.		
Proposed Size / Units	1.00 COUNT	Lifespan	30 Years
Actual Size/Units	COUNT	Installed Date	23-May-18
Mapped Activities	1 Point(s)		

Final Indicator for SSTS Replacement 2018 #2 in Scandia			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	12
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		
Final Indicator for SSTS Replacement 2018 #2 in Scandia			
Indicator Name	PATHOGENS (E. COLI)	Value	8.6E13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		
Final Indicator for SSTS Replacement 2018 #2 in Scandia			
Indicator Name	Total Suspended Solids (TSS)	Value	278
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		
Final Indicator for SSTS Replacement 2018 #2 in Scandia			
Indicator Name	BOD 5	Value	504
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		
Final Indicator for SSTS Replacement 2018 #2 in Scandia			
Indicator Name	NITROGEN	Value	18
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

**Grant Activity - SSTS Replacement - partial 2017 #2**

Description	SSTS replacement.		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results			

<b>Activity Action - SSTS Replacement in Lake Elmo - Jamaca Ave</b>			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	SSTS replaced according to state and local rules.		
Proposed Size / Units	1.00 COUNT	Lifespan	30 Years
Actual Size/Units	COUNT	Installed Date	7-Sep-17
Mapped Activities	1 Point(s)		

<b>Final Indicator for SSTS Replacement in Lake Elmo - Jamaca Ave</b>			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	6
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

<b>Final Indicator for SSTS Replacement in Lake Elmo - Jamaca Ave</b>			
Indicator Name	PATHOGENS (E. COLI)	Value	4.3E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

<b>Final Indicator for SSTS Replacement in Lake Elmo - Jamaca Ave</b>			
Indicator Name	NITROGEN	Value	29
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

<b>Final Indicator for SSTS Replacement in Lake Elmo - Jamaca Ave</b>			
Indicator Name	BOD 5	Value	126
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)

Waterbody	groundwater		
Final Indicator for SSTS Replacement in Lake Elmo - Jamaca Ave			
Indicator Name	Total Suspended Solids (TSS)	Value	70
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

<b>Grant Activity - SSTS Replacement 2018 partial</b>			
Description	Partial cost of SSTS replacement.		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results			

<b>Activity Action - SSTS Replacement #3 2018 in May Twp</b>			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	SSTS installed.		
Proposed Size / Units	1.00 COUNT	Lifespan	30 Years
Actual Size/Units	COUNT	Installed Date	31-Dec-18
Mapped Activities	1 Point(s)		

<b>Final Indicator for SSTS Replacement #3 2018 in May Twp</b>			
Indicator Name	BOD 5	Value	302
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

<b>Final Indicator for SSTS Replacement #3 2018 in May Twp</b>			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	7
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

<b>Final Indicator for SSTS Replacement #3 2018 in May Twp</b>			
Indicator Name	PATHOGENS (E. COLI)	Value	5.16E13

<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) CFU	<b>Calculation Tool</b>	Septic System Improvement Estimator (SSIE)
<b>Waterbody</b>	groundwater		
Final Indicator for SSTS Replacement #3 2018 in May Twp			
<b>Indicator Name</b>	PHOSPHORUS (EST. REDUCTION)	<b>Value</b>	7
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	Septic System Improvement Estimator (SSIE)
<b>Waterbody</b>	groundwater		
Final Indicator for SSTS Replacement #3 2018 in May Twp			
<b>Indicator Name</b>	NITROGEN	<b>Value</b>	11
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	Septic System Improvement Estimator (SSIE)
<b>Waterbody</b>	groundwater		

## Grant Attachments

Document Name	Document Type	Description
<b>2017 Financial Report</b>	Grant	2017 - Septic Treatment Systems Upgrade - NRBG (Washington County)
<b>2017 NRBG Addendum</b>	Grant Agreement	2017 Natural Resources Block Grant Addendum - Washington County
<b>2017 NRBG Addendum executed</b>	Grant Agreement	2017 Natural Resources Block Grant Addendum - Washington County
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/30/2017
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 05/15/2017
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/25/2019
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/24/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 05/22/2018
<b>Financial Report</b>	Grant	2017 - Septic Treatment Systems Upgrade - NRBG (Washington County)





## Grant All-Detail Report WCA-NRBG 2018

**Grant Title** - 2018 - Wetland Conservation Act - NRBG (Washington County)

**Grant ID** - P18-2005

**Organization** - Washington County

<b>Original Awarded Amount</b>	<b>\$41,551.00</b>	<b>Grant Execution Date</b>	<b>11/15/2017</b>
<b>Required Match Amount</b>	\$41,551.00	<b>Original Grant End Date</b>	12/31/2020
<b>Required Match %</b>	100%	<b>Grant Day To Day Contact</b>	Stephanie Holt
<b>Current Awarded Amount</b>	\$41,551.00	<b>Current End Date</b>	12/31/2020

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$41,551.00	\$41,551.00	\$0.00
Total Match Amount	\$41,551.00	\$43,438.17	\$-1,887.17
Total Other Funds	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$83,102.00</b>	<b>\$84,989.17</b>	<b>\$-1,887.17</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
Admin/Coordination	Administration /Coordination	Current State Grant	2018 - Wetland Conservation Act - NRBG (Washington County)	\$41,551.00	\$41,551.00	12/31/2018	N
Admin/Coordination	Administration /Coordination	Local Fund	WCD Match	\$12,551.00	\$15,080.50	12/31/2018	Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Technical services to the county	Technical/Engineering Assistance	Local Fund	County match	\$18,000.00	\$18,000.00	12/31/2018	Y
WCD Education	Education/Information	Local Fund	WCD Match	\$11,000.00	\$10,357.67	12/31/2018	Y

### 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 - Admin/Coordination			
Description	The WCD is the principle implementing agency for the Wetland Conservation Act and serves as a clearinghouse for information. The WCD provides: 1) information to LGU's, 2) Recordkeeping for WCA, 3) program coordination throughout the county, and 4) technical assistance through TEP membership, enforcement, and permit application review.		
Category	ADMINISTRATION/COORDINATION		
Start Date	1-Jan-18	End Date	31-Dec-18
Has Rates and Hours?	No		
Actual Results	In 2018 the WCD provided technical and administrative support for WCA program.		

Grant Activity - Technical services to the county			
Description	WCA Assistance to county departments and technical assistance to LGU's.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-Jan-18	End Date	31-Dec-18
Has Rates and Hours?	No		
Actual Results	Provide WCA assistance to LGUs and residents. Includes WCA services to Washington county departments.		

Grant Activity - WCD Education			
Description	WCA Education/Information		
Category	EDUCATION/INFORMATION		
Start Date	1-Jan-18	End Date	31-Dec-18
Has Rates and Hours?	No		
Actual Results	Educate Washington County residents about wetlands and the WCA. Provide wetland and WCA content in site visits, presentations, events, website, educational materials, and other opportunities as they arise.		

## Grant Attachments

Document Name	Document Type	Description
<b>2018/2019 Natural Resources Block Grant</b>	Grant Agreement	2018/2019 Natural Resources Block Grant - Washington County
<b>2018/2019 Natural Resources Block Grant executed</b>	Grant Agreement	2018/2019 Natural Resources Block Grant - Washington County
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/25/2019
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 05/17/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/25/2019
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/10/2018



# Grant All-Detail Report Shoreland-NRBG 2018

Grant Title - 2018 - Shoreland-NRBG (Washington County)

Grant ID - P18-7119

Organization - Washington County

Original Awarded Amount	\$2,615.00	Grant Execution Date	11/15/2017
Required Match Amount	\$2,615.00	Original Grant End Date	12/31/2020
Required Match %	100%	Grant Day To Day Contact	Stephanie Holt
Current Awarded Amount	\$2,615.00	Current End Date	12/31/2020

## Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$2,615.00	\$2,615.00	\$0.00
Total Match Amount	\$33,092.69	\$33,092.69	\$0.00
Total Other Funds	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$35,707.69</b>	<b>\$35,707.69</b>	<b>\$0.00</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
Shoreland Regs	Regulations/Ordinances/Enforcement	Current State Grant	2018 - Shoreland-NRBG (Washington County)	\$2,615.00	\$2,615.00	12/31/2018	N
Shoreland Regs	Regulations/Ordinances/Enforcement	Local Fund	County funds	\$33,092.69	\$33,092.69	12/31/2018	Y

## 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 - Shoreland Regs			
Description	Implement shoreland regulations countwide.		
Category	REGULATIONS/ORDINANCES/ENFORCEMENT		
Start Date	1-Jan-18	End Date	31-Dec-18
Has Rates and Hours?	No		
Actual Results	<p>No funds expended in 2017, budgeted for 2018.</p> <p>In 2018, work under shoreland ordinance includes review of plans and preparing orders, requirements, decisions or determinations to the board of adjustment and appeals. Minor revisions were made to the shoreland ordinance, as part of an overall update of the county's development code. The revised ordinance was adopted in June 2018. Under the shoreland program, the county administered 26 permits, 1 variance, and 1 violation in 2017. There were 0 platted subdivisions within the Shoreland District.</p>		

## Grant Attachments

Document Name	Document Type	Description
<b>2018/2019 Natural Resources Block Grant</b>	Grant Agreement	2018/2019 Natural Resources Block Grant - Washington County
<b>2018/2019 Natural Resources Block Grant executed</b>	Grant Agreement	2018/2019 Natural Resources Block Grant - Washington County
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 05/17/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/25/2019
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/10/2018
<b>Financial Report</b>	Grant	2018 - Shoreland-NRBG (Washington County)



# Grant All-Detail Report

## Septic Treatment Systems Upgrade - NRBG 2018

**Grant Title** - 2018 - Septic Treatment Systems Upgrade - NRBG (Washington County)

**Grant ID** - P18-5888

**Organization** - Washington County

<b>Original Awarded Amount</b>	<b>\$25,931.00</b>	<b>Grant Execution Date</b>	<b>11/15/2017</b>
<b>Required Match Amount</b>	<b>\$0.00</b>	<b>Original Grant End Date</b>	<b>12/31/2020</b>
<b>Required Match %</b>	<b>0%</b>	<b>Grant Day To Day Contact</b>	<b>Stephanie Holt</b>
<b>Current Awarded Amount</b>	<b>\$25,931.00</b>	<b>Current End Date</b>	<b>12/31/2020</b>

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$4,205.00	\$4,205.00	\$21,726.00
Total Match Amount	\$0.00	\$0.00	\$0.00
Total Other Funds	\$1,295.00	\$1,295.00	\$0.00
<b>Total</b>	<b>\$5,500.00</b>	<b>\$5,500.00</b>	<b>\$21,726.00</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
SSTS Replacement - 2019	Subsurface Sewage Treatment Systems	Current State Grant	2018 - Septic Treatment Systems Upgrade - NRBG (Washington C..	\$0.00			N



Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
SSTS Replacement 2018 partial	Subsurface Sewage Treatment Systems	Current State Grant	2018 - Septic Treatment Systems Upgrade - NRBG (Washington C..	\$4,205.00	\$4,205.00	12/31/2018	N
SSTS Replacement 2018 partial	Subsurface Sewage Treatment Systems	Other Funds	2017 - Septic Treatment Systems Upgrade - NRBG (Washington C..	\$1,295.00	\$1,295.00	12/31/2018	N

### Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
126M - Septic System Improvement	1	1	1 COUNT	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
BOD 5	302.00	LBS/YR
PATHOGENS (E. COLI)	51,600,000,000,000.00	CFU
NITROGEN	11.00	LBS/YR
PHOSPHORUS (EST. REDUCTION)	14.00	LBS/YR

## Grant Activity

Grant Activity - SSTS Replacement - 2019			
Description	SSTS Replacement		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	1-Jan-18	End Date	31-Jan-19
Has Rates and Hours?	No		
Actual Results	No funds in expended in 2017. Partial funds expended in 2018 for one system in May Township		

Grant Activity - SSTS Replacement 2018 partial			
Description	Partial cost of SSTS replacement.		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results			

Activity Action - SSTS Replacement #3 2018 in May Twp			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	SSTS installed.		
Proposed Size / Units	1.00 COUNT	Lifespan	30 Years
Actual Size/Units	COUNT	Installed Date	31-Dec-18
Mapped Activities	1 Point(s)		

Final Indicator for SSTS Replacement #3 2018 in May Twp			
Indicator Name	NITROGEN	Value	11
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		
Final Indicator for SSTS Replacement #3 2018 in May Twp			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	7

Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		
Final Indicator for SSTS Replacement #3 2018 in May Twp			
Indicator Name	PATHOGENS (E. COLI)	Value	5.16E13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		
Final Indicator for SSTS Replacement #3 2018 in May Twp			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	7
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		
Final Indicator for SSTS Replacement #3 2018 in May Twp			
Indicator Name	BOD 5	Value	302
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

## Grant Attachments

Document Name	Document Type	Description
<b>2018/2019 Natural Resources Block Grant</b>	Grant Agreement	2018/2019 Natural Resources Block Grant - Washington County
<b>2018/2019 Natural Resources Block Grant executed</b>	Grant Agreement	2018/2019 Natural Resources Block Grant - Washington County
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 05/17/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/25/2019
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/10/2018



## Grant All-Detail Report

### Septic Treatment Systems Incentive - NRBG 2018

**Grant Title** - 2018 - Septic Treatment Systems Incentive - NRBG (Washington County)

**Grant ID** - P18-7773

**Organization** - Washington County

<b>Original Awarded Amount</b>	<b>\$3,000.00</b>	<b>Grant Execution Date</b>	<b>11/15/2017</b>
<b>Required Match Amount</b>	<b>\$0.00</b>	<b>Original Grant End Date</b>	<b>12/31/2020</b>
<b>Required Match %</b>	<b>0%</b>	<b>Grant Day To Day Contact</b>	<b>Stephanie Holt</b>
<b>Current Awarded Amount</b>	<b>\$3,000.00</b>	<b>Current End Date</b>	<b>12/31/2020</b>

#### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$3,000.00	\$3,000.00	\$0.00
Total Match Amount	\$0.00	\$0.00	\$0.00
Total Other Funds	\$276,687.41	\$276,687.41	\$0.00
<b>Total</b>	<b>\$279,687.41</b>	<b>\$279,687.41</b>	<b>\$0.00</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
2018 SSTS Administration/Coordination	Administration /Coordination	Other Funds	2018 - Septic Treatment Systems - NRBG (Washington County)	\$18,600.00	\$18,600.00	12/31/2018	N
2018 SSTS Administration/Coordination	Administration /Coordination	Other Funds	Local program funds	\$258,087.41	\$258,087.41	12/31/2018	Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
SSTS Admin/Coordination	Administration /Coordination	Current State Grant	2018 - Septic Treatment Systems Incentive - NRBG (Washington..	\$3,000.00	\$3,000.00	12/31/2018	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 - SSTS Admin/Coordination			
Description	Funds are budgeted for 2018 - no funds expended in 2017.		
Category	ADMINISTRATION/COORDINATION		
Start Date	1-Jan-18	End Date	31-Dec-18
Has Rates and Hours?	No		
Actual Results	<p>Department continues to represent Metro Counties on the Minnesota Pollution Control Agency's SSTS Advisory Committee, to provide input on rulemaking and overall SSTS coordination. The County updated the SSTS ordinance (#206), with minor revisions, in June 2018. The ordinance, which is Chapter Four of the Washington County Development Code, conforms with Minnesota Rules Chapter 7080-7083,</p> <p>A total of 325 permits were issued in 2018. This includes 47 operating permits, with the remainder as new or replacement systems. For standard permits, 79 were new systems and 177 were for replacement. The remainder were for tank replacement, repairs, or system abandonment. The county also renewed two permits for land application, in addition to providing oversight for 10+ currently permitted sites.</p> <p>The county also oversees a maintenance requirement for existing systems, tracking tank maintenance records for all known systems in the county.</p> <p>In addition, the county participated in or led various education efforts for realtors and homeowners. This includes general technical assistance to hundreds of callers, as well as participating in a realtor class and homeowner, class, both of which are reported in more detail in the Local Water Management report (as part of GW Plan implementation).</p>		

## Grant Attachments

Document Name	Document Type	Description
<b>2018/2019 Natural Resources Block Grant</b>	Grant Agreement	2018/2019 Natural Resources Block Grant - Washington County
<b>2018/2019 Natural Resources Block Grant executed</b>	Grant Agreement	2018/2019 Natural Resources Block Grant - Washington County
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 05/17/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/30/2019
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/10/2018

Document Name	Document Type	Description
<b>Financial Report</b>	Grant	2018 - Septic Treatment Systems Incentive - NRBG (Washington County)



## Grant All-Detail Report SSTS-NRBG 2018

**Grant Title** - 2018 - Septic Treatment Systems - NRBG (Washington County)

**Grant ID** - P18-3971

**Organization** - Washington County

<b>Original Awarded Amount</b>	<b>\$18,600.00</b>	<b>Grant Execution Date</b>	<b>11/15/2017</b>
<b>Required Match Amount</b>	<b>\$0.00</b>	<b>Original Grant End Date</b>	<b>12/31/2020</b>
<b>Required Match %</b>	<b>0%</b>	<b>Grant Day To Day Contact</b>	<b>Stephanie Holt</b>
<b>Current Awarded Amount</b>	<b>\$18,600.00</b>	<b>Current End Date</b>	<b>12/31/2020</b>

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$18,600.00	\$18,600.00	\$0.00
Total Match Amount	\$258,087.41	\$258,087.41	\$0.00
Total Other Funds	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$276,687.41</b>	<b>\$276,687.41</b>	<b>\$0.00</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
2018 SSTS Administration/Coordination	Administration /Coordination	Current State Grant	2018 - Septic Treatment Systems - NRBG (Washington County)	\$18,600.00	\$18,600.00	12/31/2018	N
2018 SSTS Administration/Coordination	Administration /Coordination	Local Fund	Local program funds	\$258,087.41	\$258,087.41	12/31/2018	Y



## 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 - 2018 SSTS Administration/Coordination			
Description	<p>No 2018 funds expended in 2017.</p> <p>The WCPHE will administer the SSTS program according to the county SSTS ordinance, including tracking of septic maintenance (pumping), soil reviews, inspections and responding to complaints. The WCPHE will assist the MPCA and other local agencies in the implementation of a maintenance (pumping) program.</p>		
Category	ADMINISTRATION/COORDINATION		
Start Date	1-Jan-18	End Date	31-Dec-18
Has Rates and Hours?	No		
Actual Results	<p>Department continues to represent Metro Counties on the Minnesota Pollution Control Agency's SSTS Advisory Committee, to provide input on rulemaking and overall SSTS coordination. The County updated the SSTS ordinance (#206), with minor revisions, in June 2018. The ordinance, which is Chapter Four of the Washington County Development Code, conforms with Minnesota Rules Chapter 7080-7083,</p> <p>A total of 325 permits were issued in 2018. This includes 47 operating permits, with the remainder as new or replacement systems. For standard permits, 79 were new systems and 177 were for replacement. The remainder were for tank replacement, repairs, or system abandonment. The county also renewed two permits for land application, in addition to providing oversight for 10+ currently permitted sites.</p> <p>The county also oversees a maintenance requirement for existing systems, tracking tank maintenance records for all known systems in the county.</p> <p>In addition, the county participated in or led various education efforts for realtors and homeowners. This includes general technical assistance to hundreds of callers, as well as participating in a realtor class and homeowner, class, both of which are reported in more detail in the Local Water Management report (as part of GW Plan implementation).</p>		

## Grant Attachments

Document Name	Document Type	Description
2018/2019 Natural Resources Block Grant	Grant Agreement	2018/2019 Natural Resources Block Grant - Washington County
2018/2019 Natural Resources Block Grant executed	Grant Agreement	2018/2019 Natural Resources Block Grant - Washington County

Document Name	Document Type	Description
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 12/21/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 05/08/2018



## Grant All-Detail Report LWM-NRBG 2018

**Grant Title** - 2018 - Local Water Management - NRBG (Washington County)

**Grant ID** - P18-4178

**Organization** - Washington County

<b>Original Awarded Amount</b>	<b>\$8,094.00</b>	<b>Grant Execution Date</b>	<b>11/15/2017</b>
<b>Required Match Amount</b>	<b>\$0.00</b>	<b>Original Grant End Date</b>	<b>12/31/2020</b>
<b>Required Match %</b>	<b>0%</b>	<b>Grant Day To Day Contact</b>	<b>Stephanie Holt</b>
<b>Current Awarded Amount</b>	<b>\$8,094.00</b>	<b>Current End Date</b>	<b>12/31/2020</b>

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$8,094.00	\$8,094.00	\$0.00
Total Match Amount	\$97,799.50	\$97,799.50	\$0.00
Total Other Funds	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$105,893.50</b>	<b>\$105,893.50</b>	<b>\$0.00</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
2018 Monitoring & Data Collection	Monitoring/Data Collection	Local Fund	county funds	\$18,712.45	\$18,712.45	12/31/2018	Y
2018 Rain Barrell Sale	Special Projects	Local Fund	County funds	\$14,000.00	\$14,000.00	12/31/2018	Y
Administration/Coordination	Administration/Coordination	Current State Grant	2018 - Local Water Management - NRBG (Washington County)	\$8,094.00	\$8,094.00	12/31/2018	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Administration/Coordination	Administration /Coordination	Local Fund	County funds	\$33,087.05	\$33,087.05	12/31/2018	Y
LWM Education/Information	Education/Information	Local Fund	County funds	\$2,000.00	\$2,000.00	12/31/2018	Y
MNTAP Partnership	Special Projects	Local Fund	County funds	\$30,000.00	\$30,000.00	12/31/2018	Y

### 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 - 2018 Monitoring & Data Collection			
Description	The county will 1. assist licensed food establishments (non - community, transient wells) in collection of water samples. 2. assist residents and communities with water sampling efforts as requested.		
Category	MONITORING/DATA COLLECTION		
Start Date	1-Jan-18	End Date	31-Dec-18
Has Rates and Hours?	No		
Actual Results	<p>Staff:</p> <ol style="list-style-type: none"> <li>1. Regularly data and information concerning groundwater resources, as requested.</li> <li>2. Took approximately 178 water samples for 49 transient non-community water suppliers, primarily food, beverage and lodging establishments, and 64 total distributions. This includes communicating the results to the establishments, follow up testing, and answering questions as needed. Staff also conducted sanitary surveys for several establishments.</li> <li>3. Processed 600 water samples for water quality testing through the department's well water testing program for county residents. Staff communicated results to residents and answered questions as needed.</li> <li>4. Took 24 samples for VOCs.</li> </ol>		

Grant Activity - 2018 Rain Barrell Sale			
Description	County provided incentive/rebate for residents who wished to purchase rain barrels (in conjunction with compost bin sale as well). \$20 rebate offered for each barrel.		
Category	SPECIAL PROJECTS		
Start Date	1-Jan-18	End Date	31-Dec-18
Has Rates and Hours?	No		
Actual Results	Participated in a program to promote sales of compost bins and rain barrels. Groundwater program provided a \$20 rebate to residents for purchased rain barrels. A total of 700 barrels were purchased in 2018, and 546 were sold. The remainder will be sold in 2019.		

## Grant Activity - Administration/Coordination

Description	<p>No 2018 LWM funds were expended in 2017.</p> <p>County-wide water resources efforts are coordinated by two planners, with support from other staff on certain projects. Major tasks include: 1. Implementation and monitoring of 10 year Groundwater Plan 2. Administering an abandoned well sealing program 3. Working with state and local government on water issues specific to Washington County, 4. Working with watershed districts on their water management plans, TMDLs, WRAPS 5. County wide water planning with LGU's 6. Working with watersheds and stakeholders through the Water Consortium 7. Serving the public at large.</p>		
Category	ADMINISTRATION/COORDINATION		
Start Date	1-Jan-18	End Date	31-Dec-18
Has Rates and Hours?	No		
Actual Results	<p>No 2018 LWM funds were expended in 2017.</p> <p>2018 activities include: Staff activities included: 1. Implementation of Groundwater Plan, including facilitation of 2 Groundwater Advisory Committee (GWAC) meetings 2. Worked with landowners to seal 8 wells through the 50% cost share well sealing program. 3. Participation in TAC meetings for Rice Creek WD plan update 4. Meetings with MDA and WCD about nitrate testing and outreach in Cottage Grove and Denmark Township. 5. Continued working with MDH and the communities of Baytown and West Lakeland Townships on Trichloroethylene (TCE) contamination. 6. Continued attendance as needed at various WMO meetings. 7. Coordinated with MDH and MPCA on new MDH-issued health based values and subsequent testing of private wells. Attended public and stakeholder meetings related to PFCs. 8. Participated on North &amp; East Metro Groundwater Management Area advisory meetings. 10. Participated in and monitored meetings related to the PFAS/3M settlement. 11. Administered partnership grant with MNTAP program out of the University of Minnesota, to provide assistance to facilities in the county for water efficiency. 12. Multiple meetings with WMOs in the county and BWSR, regarding Metro Watershed Based Funding. 13. Coordinated a spring meeting for all watersheds and county board of commissioners to facilitate conversation and relationship building. 14. Hired new planner to help further watershed-county communications and develop a more robust on boarding process for new watershed managers. 15. Participated in 1W1P process for Lower St Croix (time match elsewhere. 16. Reviewed 8 Local Water Management Plans, in addition to providing comments on 21 city comprehensive plans 17. Continued implementation of delegated non-community water supply program, including well testing and sanitary surveys.</p>		

## Grant Activity - LWM Education/Information

<b>Description</b>	Educating public employees, officials and the citizens of the county are important elements of the WCPHE's activities to protect and conserve groundwater resources. The county will: 1. Continue to assist with the Metro Area Children's Water Festival. 2. Educate public officials about the Groundwater Plan. 3. Educate citizens on current groundwater and surface water resource issues. 4. Distribute copies of general information handouts regarding drinking water and water resources concerns to local units of government and citizens. 5. Continue to hold monthly meetings of the Water Consortium.		
<b>Category</b>	EDUCATION/INFORMATION		
<b>Start Date</b>	1-Jan-18	<b>End Date</b>	31-Dec-18
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	<p>in 2018, the county continued funding support for the Children's Water Festival and Clean Water MN. Staff also participated in planning and execution of the CWF.</p> <p>In addition, 10 consortium meetings took place, including two tours of a wastewater treatment plant and MSP airport.</p> <p>The county also participated in a homeowner class, led by the U of M and MDH, featuring septic system basics and private well testing and maintenance. 74 residents attended. The county also led a realtor class on Environmental Topics, with 30 realtors attending and learning about septic systems, wells, shoreland, and healthy homes.</p>		



## Grant Activity - MNTAP Partnership

<b>Description</b>	<p>County continued partnership with MN Technical Assistance Program (MNTAP) to provide assessments/education to high water users, along with funding for a 2018 MNTAP intern.</p> <p>MNTAP staff and a student worker conducted a study and final report on carwash best practices, which will be disseminated to cities. Included site visits with several carwashes in the county.</p> <p>An intern placed with City of Woodbury successfully completed a project to pilot sprinkler head replacements on residential properties.</p>		
<b>Category</b>	SPECIAL PROJECTS		
<b>Start Date</b>		<b>End Date</b>	
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>			

## Grant Attachments

Document Name	Document Type	Description
<b>2018/2019 Natural Resources Block Grant</b>	Grant Agreement	2018/2019 Natural Resources Block Grant - Washington County
<b>2018/2019 Natural Resources Block Grant executed</b>	Grant Agreement	2018/2019 Natural Resources Block Grant - Washington County
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 05/08/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/30/2019
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 12/21/2017
<b>Financial Report</b>	Grant	2018 - Local Water Management - NRBG (Washington County)