

Row	ID #	Applicant	County	Grant Title	Grant Abstract	Grant Request	Grant Recommendation	Total Score
1	C17-6520	Pennington Soil and Water Conservation District	Pennington	Thief River Watershed PTMApp	The goal of the project is to identify priority locations for project implementation using the Prioritize, Targeting, and Measuring Application (PTMApp) in the Thief River Watershed. The PTMApp will be used to identify and evaluate the suitability and effectiveness of best management practices including treatment scenarios, and provide estimates of sediment, nitrogen, and phosphorus delivered to various pour points within the Thief River Watershed.	\$ 60,560	\$ 60,560	92.92
2	C17-1924	Middle St. Croix River Watershed Management Organization	Washington	Lily Lake Storm water Retrofit Feasibility and Design to Achieve State Water Quality Standards	After nearly a decade of intensive targeting, design and installation of water quality improvement practices, Lily Lake has an improving trend in long-term summer total phosphorous concentrations for the first time since monitoring began in 1985. To date, 36 storm water quality improvement projects have reduced 100 pounds of annual phosphorous discharging to Lily Lake. This project will engage residents and stakeholders in the targeting and design of the final water quality practices to complete the final 45 pounds annual phosphorous reduction necessary to remove Lily Lake from the State of Minnesota impaired waters list.	\$ 58,000	\$ 58,000	92.33
3	C17-0395	Browns Creek Watershed District	Washington	Brown's Creek Riparian Shading Study – Assessment of Stream Shade Provided by Unforested Riparian Buffer Vegetation	The purpose of the project is to target the type and location of riparian vegetation restoration needed to shade three miles of unforested buffer on Brown's Creek, a metro area trout stream impaired for thermal and sediment loading. The project will conduct a riparian shading analysis, cost-benefit analysis, and modeling of restoration scenarios based on field measurements of shade in the unforested buffer of Brown's Creek. The study will accelerate the implementation of the 13,155 feet of thermal buffer improvement projects by targeting where shade mitigation is needed most and identifying the best-suited vegetation for shading at each site.	\$ 51,525	\$ 51,525	91.75
4	C17-1393	Comfort Lake-Forest Lake Watershed District	Chisago; Washington	Forest Lake Enhanced Street Sweeping Plan	This project will develop an enhanced street sweeping plan for the City of Forest Lake that optimizes phosphorus removal from increasing sweeping frequency with the cost of additional sweeps. In addition, this project will identify road-specific street sweeping timing and frequency, quantify expected phosphorus load reductions, itemize costs of enhanced street sweeping, and recommend funding options to the City of Forest Lake. The goal of this project is develop a formal agreement between the Comfort Lake Forest Lake Watershed District and the City of Forest Lake to implement enhanced street sweeping for at least 10 years.	\$ 36,000	\$ 36,000	91.67
5	C17-9608	Shingle Creek Watershed Management Commission	Hennepin	Minneapolis Subwatershed Assessment	The proposed project is a subwatershed assessment of that part of the City of Minneapolis that is within the Shingle Creek watershed. This subwatershed drains to three Impaired Waters: Crystal Lake, Ryan Lake, and Shingle Creek. The assessment will identify the most feasible and cost-effective best management practices for retrofit in this densely urban, fully developed subwatershed. The project includes workshops with neighborhood organizations to help them educate residents and organize implementation projects. It also includes a survey to identify barriers to implementation and will	\$ 38,000	\$ 38,000	89.58
6	C17-6651	Washington County	Washington	SSTS Records Catalog	The Washington County Department of Public Health and Environment is seeking funds to conduct countywide records catalog and subsequent risk analysis of subsurface sewage treatment systems, or septic systems, in the county. The records catalog will involve the collection, digitization and review of historical permit records from 1972-2004. The risk analysis will utilize information from the historical review, in addition to other pertinent available data. This will assist the county and local partners in identifying problem areas, as well as continue discussion on seeking additional resources to assist	\$ 100,000	\$ 100,000	89.08

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7	C17-6898	Nine Mile Creek Watershed District	Hennepin	Targeting BMPS on Lands Owned by Nonprofits	The objective of the project is to develop a targeted storm water Best Management Practice implementation and outreach program focused on non-profit partners. This project will lead to more effective implementation of practices on private, non-profit sites by providing these organizations with education and technical assistance to conceptualize and design storm water management practices on their site(s) in prioritized subwatersheds.	\$ 83,339	\$ 83,339	88.17
8	C17-9721	Mille Lacs Soil and Water Conservation District	Multiple Counties	Mille Lacs Lake Watershed and Upper Rum River Watershed Coordinator	This grant will fund the creation of a new Coordinator position with a primary focus on the Mille Lacs Lake subwatershed. Although not currently impaired, the Lake faces increasing development and land use pressure. Implementation of protection strategies is essential to the Lake's long-term health but current staffing does not allow sufficient time to be spent on project development and outreach to identify interested landowners. The Coordinator's principle activity will be implementation of the Mille Lacs Lake Watershed Management Group's Lake Stewardship Program which incentivizes increased water quality protection using recognition and financial assistance.	\$ 268,747	\$ 268,747	88.00
9	C17-9328	Dakota Soil and Water Conservation District	Dakota	Vermillion River Upper Mainstem, Pine Creek, and Lake Byllesby Sub-watershed Assessments	The purpose of this project is to complete subwatershed analysis for Cannon River and Vermillion River sub-watersheds to prioritize and target Best Management Practices based on cost-effectiveness with regard to pollutant reduction. This process is intended to proactively assist local water management and partner agencies in maximizing the value of each dollar spent to improve water quality in the respective rivers. Each subwatershed is primarily agricultural and rural practices will be evaluated through the subwatershed analysis process resulting in specific practices being identified and prioritized based on the cost effectiveness to remove pollutants.	\$ 40,000	\$ 40,000	87.75
10	C17-6760	Washington Conservation District	Chisago;Washington	Expanding Master Water Stewards' programming to engage citizens and catalyze clean water projects in exurban and rural communities	The goal of this project is to adapt and expand the existing successful Master Water Stewards program to engage citizens and catalyze clean water projects in suburban, exurban and rural communities of Washington and southern Chisago Counties. As part of this project, 20 citizens stewards will be recruited and trained to work in partnership with the Washington Conservation District and area watershed management organizations to implement clean water projects in identified priority areas. Stewards will complete a total of 10 water quality improvement projects in addition to participating in and providing support for education and civic engagement activities, such as community clean-ups.	\$ 81,000	\$ 81,000	87.67
11	C17-6089	Buffalo-Red River Watershed District	Multiple Counties	Prioritizing and Targeting Conservation in the Buffalo-Red: PTMApp and Geomorphic Assessment	This project will result in the development of three critical pieces of information. They include: 1. Development of restoration and protection strategies for all waterbodies in the district relative to the State's Non-point Source Funding plan 2. Use of PTMApp to tie the WRAPs implementation tables from the Buffalo and Red River Watersheds to targeted on-the-ground projects and practices that will provide measurable water quality improvements, and 3. Conduct a geomorphic assessment of the districts streams to target practices that improve the geomorphic stability of waterways within the District.	\$ 168,000	\$ 168,000	87.67
12	C17-7482	Winona County	Winona	Lake Winona-Gilmore Creek Watershed Targeted Implementation Assessment	The purpose of this project is to develop a Lake Winona Water Quality Improvement Report that will include a prioritized, targeted, and measurable implementation plan. This plan can be used to effectively restore Lake Winona and its watershed.	\$ 99,600	\$ 99,600	86.58

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13	C17-7645	City of Apple Valley	Dakota	Keller Lake Subwatershed Assessment	The City proposes to conduct a subwatershed assessment on the sections of Apple Valley draining to Keller Lake to target potential projects. The goal is to identify potential cost effective retrofit projects and operations improvements capable of fulfilling needed phosphorus reductions ahead of a number of planned infrastructure projects tentatively scheduled for 2018-2022. The information gathered will be used to explore which efforts are worth pursuing further and will provide some cost efficiencies by having potential projects identified ahead of infrastructure improvement project feasibility studies, design and installation.	\$ 30,000	\$ 30,000	86.50
14	C17-5813	Douglas Soil and Water Conservation District	Douglas	Soil Investigations for Liquid Manure Storage Areas in Hydrologically Vulnerable Townships in Douglas County	This project seeks to inventory twenty registered feedlots identified as having an Unpermitted Liquid Manure Storage Area. Specifically, this inventory would include offering cost-share for soils investigations. These feedlots are located in three townships that have also been identified as having groundwater that is vulnerable to nutrient pollution, necessitating a need for nitrate testing per MN Department of Agriculture. These townships also house the vast majority of remaining unpermitted Liquid Manure Storage Areas in the County.	\$ 93,000	\$ 93,000	86.33
15	C17-0056	Lake Soil and Water Conservation District	Lake	Urban Storm water Assessment	This project will include mapping urban surface and sub-surface storm water flow to determine flow paths, pour points, and areas of limited storm water infrastructural capacity. The results of this assessment will be an assessment with prioritized and targeted opportunities for municipal infrastructure retrofits or best management practice installation on both public and private land. This project will serve to identify and delineate sub-watersheds on the urban landscape of both Two Harbors and Silver Bay, quantify and assess the capacity of the existing storm water infrastructure, and provide targeted and prioritized recommendations to City governments to guide future storm water retrofits and upgrades.	\$ 71,000	\$ 71,000	86.17
16	C17-2231	Minnehaha Creek Watershed District	Hennepin	Minnehaha Creek Storm water Management	In 2014, the District experienced record flooding resulting in substantial erosion and tree loss along Minnehaha Creek. In 2015, the District completed an assessment of flood damage and received FEMA funding for bank repair at 31 sites along the Creek within Minneapolis Park and Recreation Board property. Before moving forward with stream restoration, the District would like to explore opportunities to align these improvements with storm water management opportunities in the area. Receipt of an Accelerated Implementation Grant would allow MCWD to implement these two complementary water quality practices simultaneously and efficiently.	\$ 35,952	\$ 35,952	85.67
17	C17-0564	Elm Creek Watershed Management Commission	Hennepin	Rush Creek Headwaters Subwatersheds Assessment	Seven lakes and four streams in the Elm Creek watershed are impaired by excess nutrients, bacteria, low oxygen, and unhealthy biotic communities. Modeling completed for the Watershed Restoration and Protection Strategy identified areas that contribute high loads of sediment and nutrients to the streams and lakes in the watershed, however, the scale of that modeling was not sufficient to pinpoint to the field level where BMPs would be most effective. The Rush Creek Headwaters Subwatershed Assessment will evaluate four high pollutant loading catchments. The proposed subwatershed assessment will undertake much finer-scaled modeling using PTMApp and additional analyses to develop a prioritized map and list of potential projects and practices and their cost/benefit so load reduction actions and proactive outreach can begin immediately.	\$ 50,280	\$ 50,280	83.67

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18	C17-4810	North Fork Crow River Watershed District	Pope;Stearns	NFCRWD - JD1 Subwatershed Analysis for Targeted Implementation	The District is seeking to further its goals of meeting multipurpose drainage management requirements under its obligations as a 103E drainage authority. Judicial Ditch 1 is the largest system in the District, and proportionally one of the largest contributors of sediment and nutrients to the downstream reaches of the North Fork Crow River. The goal of this project is to target opportunities for projects and practices in the Judicial Ditch 1 watershed that provide measurable improvements to the public drainage system management by reducing peak flows, erosion and sediment, and nutrient loading.	\$ 48,500	\$ 48,500	83.58
19	C17-0535	Pennington Soil and Water Conservation District	Pennington	Drainage System Outlet Analysis	Numerous County ditch systems in Pennington County end at a natural drainage prior to outleting into a river or other watercourse and these outlets can be in a very erosive state. The goal of this project is to inventory these systems to determine needs and prioritize projects for implementation. In cooperation with the Northland Aerospace Foundation and the Northland Community and Technical College, our inventory will be accomplished utilizing the small Unmanned Aerial Systems (UAS) to collect the data needed to analyze the condition of these areas and use LiDAR to create maps that are georeferenced to find erosion and bank failures. By having a complete inventory, the legal ditch authority can be informed of the ditch system outlet conditions.	\$ 332,749	\$ 332,749	83.17
20	C17-3891	North Fork Crow River Watershed District	Stearns	NFCRWD Subwatershed Assessment	This Subwatershed Assessment study will evaluate three high loading subwatershed catchments in the North Fork Crow River Watershed. This study will use finer-scaled models (such as PTMApp) and additional subwatershed analyses to develop prioritized maps and an itemized list of potential projects and practices with cost/benefit analyses, expected load reductions.	\$ 50,000	\$ 50,000	82.50
21	C17-8483	Otter Tail, East Soil and Water Conservation District	Multiple Counties	Identifying Best Management Practices and Barriers to Adoption	The purpose of this project is to identify effective irrigation and nutrient management best management practices and technologies and the barriers that prevent irrigators, producers, and other agricultural partners from adopting them. The goal is to reduce nitrate in areas where groundwater is susceptible to contamination as mapped by The Minnesota Department of Health by identifying effective BMPs and addressing the barriers to their adoption.	\$ 58,000	\$ 58,000	82.08
22	C17-5153	St. Louis County	St. Louis	Middle St. Louis River Watershed Culvert Inventory	This project will create a culvert inventory database for county and township roads in the southwest portion of the county that contains the St. Louis River watershed .Data will be used by the County Public Works Department to identify and prioritize stream crossings in need of replacement or increasing upstream storm water retention to reduce the potential for culvert failure during large runoff events, factoring in stream health (fish habitat and passage, sediment transport and hydrologic connection) while protecting infrastructure.	\$ 205,000	\$ 205,000	80.83
23	C17-7804	Beltrami Soil and Water Conservation District	Beltrami	Beltrami County lake screening for future protection efforts	In 2012, Beltrami County completed screening on 19 of our large lakes with heavy land use development. What we found was that none of the lakes had enough chemical data for a trend analysis. Since that time, we have been sampling a large number of lakes for water quality and now have the data available for trend analysis on those lakes and would like to update our lake reports and add 20 additional lakes to our list of lakes with in-depth reports completed.	\$ 37,000	\$ 37,000	80.83

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24	C17-8442	Greater Blue Earth River Basin Alliance	Multiple Counties	Watonwan Watershed Resource Specialist - Greater Blue Earth River Basin Alliance	GBERBA first received funding for a Watonwan Watershed Resource Specialist from the Clean Water Fund in FY2012. Since then, the Watonwan Watershed Resource Specialist has been a crucial connector between landowners and natural resource professionals in the Watonwan Watershed. As the technical ability and responsibilities of the WWRS expands, the need and urgency to secure extended funding becomes a priority. This project will fund half of the Watonwan Watershed Research Specialist position through year 2020.	\$ 99,000	\$ 99,000	80.75
25	C17-6943	Otter Tail, East Soil and Water Conservation District	Becker; Otter Tail	Otter Tail and Becker County PTM App	The purpose of this project is to develop a detailed tool that can be used in all watersheds within the Otter Tail and Becker counties to prioritize, target, and measure implementation practices at the field scale. The PTM App will significantly increase the targeting capabilities in Otter Tail and Becker Counties. The Watershed Restoration and Protection Strategy has not been completed for Otter Tail County, yet, and the PTM App will be able to assist targeting and prioritizing when those documents are created.	\$ 471,000	\$ 471,000	80.00
26	C17-7416	Elk River Watershed Association	Benton; Sherburne	2017 Elk River Watershed Strategic BMP Assessments	A completed Total Maximum Daily Load (TMDL) study has identified mid to late summer phosphorus loading as a significant stressor to lakes and streams within the Big Elk Lake watershed. While this comprehensive study serves its role as the unifying document that identifies pollutants and sources, further work is required in order to develop site-specific Best Management Practices, design these practices, and oversee their implementation in order to reach clean water goals. The proposed work in this application includes hiring technical staff to develop relationships with watershed landowners and ultimately carry out the recommendations and strategies set forth by the Big Elk Lake Nutrient TMDL.	\$ 182,500	\$ 182,500	79.42
27	C17-6916	Nobles Soil and Water Conservation District	Nobles	Missouri River Basin Hydro Conditioning, BMP Targeting Analysis and 1W1P Acceleration	The partners within the Missouri River Basin are asking for financial assistance to complete Intensive Hydraulic Conditioning on the remaining 60% of the watershed to be able to utilize the Prioritize, Target, and Measure application (PTMApp). The basin has 1.1 million acres of drainage with approximately 630,000 acres remaining to be hydro conditioned. With the advancement in targeting pollution sources within the watershed and state, the partners intend to be able to more accurately target conservation practices with the hydraulic conditioning completed.	\$ 102,500	\$ 102,500	79.25
28	C17-1029	Douglas Soil and Water Conservation District	Douglas	Lake Ida & Ditch 23 Wetland Project	The Lake Ida & Ditch 23 Wetland Project will investigate and review the phosphorus loading of Lake Ida and design a project by to protect Lake Ida water quality. Lake Ida is a 'high quality, unimpaired lake at the highest risk of becoming impaired' according to MPCA's Lakes of Phosphorus Sensitivity Significance. With the County Ditch 23 inlet identified as a priority area to reduce phosphorous, a professional engineering firm will explore the best solution to reduce phosphorus.	\$ 227,430	\$ 227,430	75.50
29	C17-9194	Blue Earth County Soil and Water Conservation District	Blue Earth	Targeted Implementation within the LeSueur River Watershed	The LeSueur River Watershed is one of the highest nutrient loading watersheds for both phosphorus and nitrogen in the State of Minnesota. The LeSueur River Watershed Restoration and Protection Strategies (WRAPS) Report was completed in August 2015 and further identifies pollutant sources and reduction goals within the LeSueur River Watershed. The WRAPS report highlights the Beauford Ditch watershed and the Madison Lake watershed area amongst the highest sources of nutrient loading to the LeSueur River. This project will target these high loading watersheds to prioritize and implement the most cost-effective best management practices to meet the nutrient reduction goals.	\$ 60,000	\$ 60,000	75.50

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30	C17-2408	Nicollet Soil and Water Conservation District	Nicollet	From PTMApp to Projects - project scale prioritization and planning for ravine stabilization in Nicollet County	This project will layer hydrologic, hydraulic, geomorphic, and pollutant loading analysis with existing countywide PTMApp outputs to identify the four highest priority areas for BMP implementation in an eastern Nicollet County ravine system experiencing dramatic mass wasting events. Three alternatives for each priority site will be presented, including an evaluation of water quality benefit, construction costs, and a cost-benefit summary.	\$ 90,400	\$ 90,400	74.58
31	C17-6201	Otter Tail, West Soil and Water Conservation District	Becker; Otter Tail	Purchase of Survey Grade Equipment to Accelerate Survey, Design, and Installation of BMPs	Realizing the need for increased technical capacity in the field offices, the Becker, East Otter Tail and West Otter Tail Soil and Water Conservation Districts have developed an agreement that will increase technical capacity while minimizing costs to each district. The first step was taken in this agreement through the recent hire of an engineer in the Becker SWCD office. Currently, minimal survey grade equipment is owned by the districts. This grant would be used to purchase an integrated survey system.	\$ 54,800	\$ 54,800	74.00
32	C17-1326	Pennington Soil and Water Conservation District	Pennington	CD 21 Soil Health Inventory	The purpose of this project is to target one subwatershed in Pennington County in which each field will be monitored to document tillage practices, amount of cover and determine which landowners could use soil health practices to preserve valuable topsoil, improve productivity, infiltration, soil organic matter, and nutrient holding capabilities. In cooperation with the Northland Aerospace Foundation and the Northland Community and Technical College, our transect survey will be accomplished utilizing the small Unmanned Aerial Systems (UAS) to collect the data needed to analyze the soil health condition.	\$260,482	\$ -	73.25
33	C17-8083	Carlton Soil and Water Conservation District	Carlton	Resources Assessment Reports for Lake Association, Watershed Groups, and Water Plan Task Force Engagement	This goal of this project is to produce Lake Assessment Reports for 98 Carlton County lakes and Stream Assessment Reports for the primary rivers and streams from the 117 identified in the Carlton County Water Plan. Using summary information from these reports, the Carlton SWCD will re-engage the Water Plan Task Force to solicit input on priority water resources and water quality issues for future program and project funding.	\$50,778	\$ -	72.75
34	C17-8581	Greater Blue Earth River Basin Alliance	Multiple Counties	Le Sueur Watershed Technician - Greater Blue Earth River Basin Alliance	The Le Sueur Watershed Technician will provide highly focused targeting of conservation programs and practices in this key watershed. The technician will implement 50 projects/practices over a three year period. The Le Sueur watershed is largely agricultural based and contributes high amounts of sediment and nutrients to the Minnesota River. The MPCA has completed its assessment of the Le Sueur River making this an ideal time to work with landowners in the watershed and to provide engagement and outreach to residents.	\$147,400	\$ -	72.75
35	C17-4599	Chisago Soil and Water Conservation District	Chisago	2017 Targeted Road Ditch Inventory	Noticeable roadside erosion has been occurring in many locations throughout Chisago County, but especially along the escarpment of the St. Croix River. Along many of the gravel roads, erosion of the road itself is also occurring. The proposal is to do an inventory of the roads and ditches within 3 miles of the St. Croix River to gain a better understanding of how much sediment and phosphorus they may contribute to the St. Croix River.	\$30,000	\$ -	72.25
36	C17-8261	Greater Blue Earth River Basin Alliance	Multiple Counties	Blue Earth Watershed Resource Specialist - Greater Blue Earth River Basin Alliance	A Resource Specialist will be hired to assist local and county elected officials, technicians and land use professionals with coordinated, watershed-based efforts to 1) target subwatersheds and County drainage systems using the best available targeting tools and information, 2) identify practices to reduce the magnitude and duration of peak flows, reduce nitrogen transport to surface and groundwater, and reduce upland erosion and phosphorus transport to surface water, 3) conduct civic engagement and outreach activities at the local and watershed scale.	\$192,500	\$ -	71

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37	C17-8573	Minnesota River Headwaters and Whetstone River Restoration Project	Multiple Counties	Minnesota River Headwaters and Whetstone River Restoration Project	The project will be a cooperative effort to restore the historic Whetstone River channel between Big Stone Lake and Minnesota River. The restoration will improve ecological integrity and water quality on Big Stone Lake, and the headwaters of the Minnesota River, which is the major subject of the Lake Pepin Total Maximum Daily Load.	\$243,000	\$ -	63.1
<b>Total</b>						<b>\$</b>	<b>3,383,882</b>	