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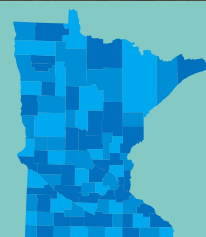
Wastewater

# Future wastewater infrastructure needs and capital cost

Fiscal Year 2018 Biennial Survey of Wastewater Collection and Treatment



**m** MINNESOTA POLLUTION  
CONTROL AGENCY



## Legislative charge

Minnesota Stat. §115.03, subd. 9. Future costs of wastewater treatment; report.

The commissioner shall, by January 15, 1998, and each even-numbered year thereafter, provide the chairs of the house and senate committees with primary jurisdiction over the agency's budget with the following information: (1) an updated list of all wastewater treatment upgrade and construction projects the agency has identified to meet existing and proposed water quality standards and regulations; (2) an estimate of the total costs associated with the projects listed in clause (1), and the projects' priority ranking under Minnesota R. ch. 7077. The costs of projects necessary to meet existing standards must be identified separately from the costs of projects necessary to meet proposed standards; (3) the commissioner's best estimate, developed in consultation with the commissioner of employment and economic development and affected permittees, of the increase in sewer service rates to the residents in the municipalities required to construct the projects listed in clause (1) resulting from the cost of these projects; and (4) a list of existing and proposed state water quality standards which are more stringent than is necessary to comply with federal law, either because the standard has no applicable federal water quality criteria, or because the standard is more stringent than the applicable federal water quality criteria.

HIST: 1945 c 395 s 3; 1969 c 9 s 21; 1969 c 931 s 6; 1973 c 374 s 7-9; 1973 c 412 s 12; 1976 c 76 s 1; 1979 c 147 s 1; 1984 c 597 s 41; 1985 c 248 s 70; 1Sp1985 c 13 s 229; 1986 c 444; 1987 c 186 s 15; 1989 c 335 art 1 s 127; art 4 s 33; 1992 c 601 s 2; 1993 c 87 s 1; 1993 c 186 s 8; 1996 c 437 s 9,10; 1996 c 462 s 38; 1997 c 216 s 93; 2000 c 370 s 1; 1Sp2001 c 2 s 120; 2003 c 128 art 1 s 120,121; 1Sp2003 c 4 s 1

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## Estimated cost of preparing this report *(as required by Minn. Stat. § 3.197)*

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# Executive summary

This report was prepared as required by Minn. Stat. § 115.03 subd.9 to biennially document all identified wastewater treatment upgrade and construction projects and associated costs, project priority rankings, and residential sewer services charges for each community. This report also discusses whether any state water quality standards are more stringent than necessary to comply with federal law.

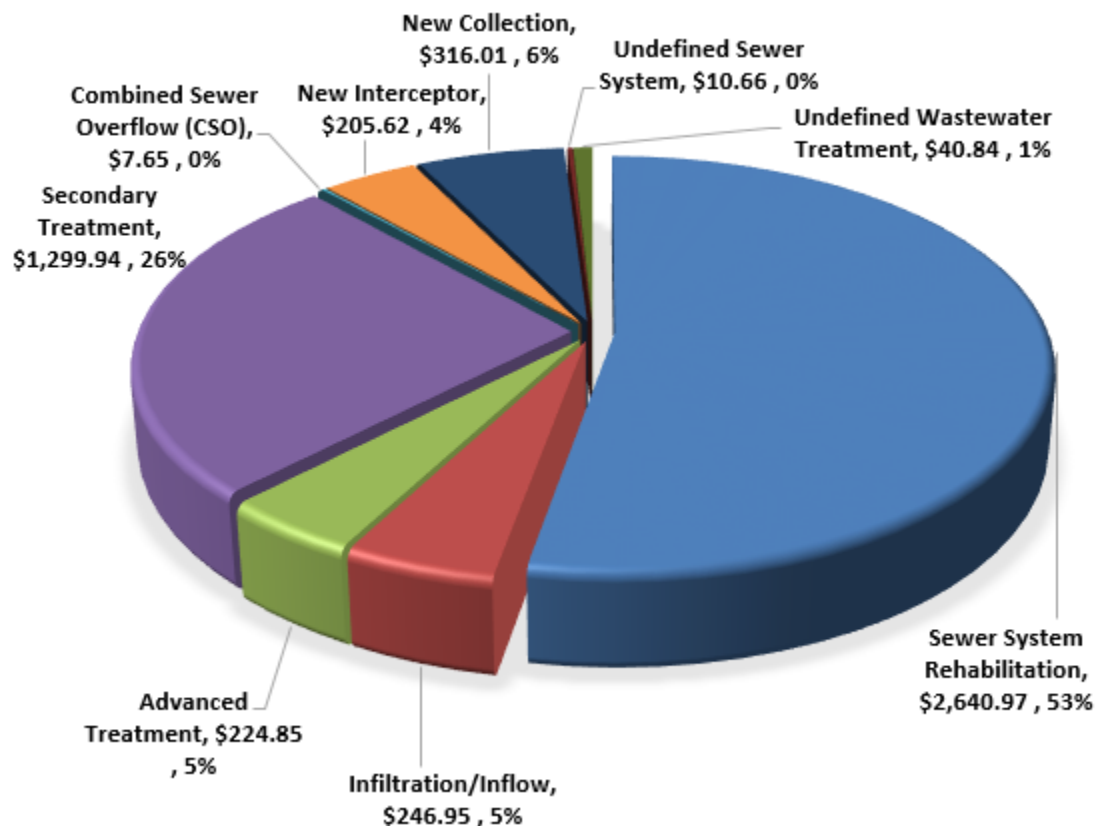
For the first time, the Wastewater Infrastructure Needs Survey (WINS) was conducted electronically using Snap Survey. While this new procedure did generate many user questions, we believe it was a success in terms of resource saving and overall compatibility with previous year WINS reporting.

It should be noted that observed trends could be impacted by the understanding and comfort level of communities completing the new electronic survey rather than actual changes in “needs.” Over the coming years, we will monitor these trends to gain better understanding in what they mean.

## Statewide future infrastructure needs

Responding to the Minnesota Pollution Control Agency (MPCA) 2017 survey of future wastewater treatment and sewer system needs, Minnesota’s communities identified **over 1,050 wastewater infrastructure projects** at a cost of **\$4.99 billion dollars**. These projects are necessary to rehabilitate, expand, and improve wastewater sewer systems and treatment facilities and to extend sewer systems to newly developed or existing unsewered areas. The distribution of costs by type of project can be found in Chart 1.

Chart 1: Statewide wastewater infrastructure needs by project type (millions)



# WINS Data Summary

Some observations in the data submitted in June 2017 include:

- Total projected statewide 20-year future infrastructure need increased from \$4.2 billion in 2015 to almost \$5 billion in 2017.
- The need for sewer system rehabilitation and upgrade (\$3.43 billion) is much more significant than wastewater treatment infrastructure work (\$1.57 billion).
- The Metropolitan Council Environmental Services (MCES) and MCES Service Areas reported a significant increase (\$1 billion) in infrastructure need in comparison to the 2016 WINS report.
- There was a 32% reduction in the number of infrastructure projects completed during this period in comparison to the 2016 WINS report.
- Small communities more frequently struggle with affordability of infrastructure improvements.
- The age of sewer and wastewater treatment infrastructure continues to be a significant issue. A high percentage of sewer and wastewater treatment systems are near the limit of their expected useful life.
- Of the 715 communities that submitted WINS, 221 (31%) reported that they have an Asset Management Plan.

## Introduction

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### The purpose and scope of this report

In keeping with Minn. Stat. § 115.03 subd.9 the MPCA has prepared this report on:

- Future infrastructure needs and capital costs of rehabilitating, improving, and expanding publicly owned wastewater treatment and sewer systems estimated over the next 20 years.
- Cost analysis of residential sewer service charges as a percentage of median household income of the community.
- The affordability of wastewater infrastructure needs and residential costs.

Minnesota's publicly owned wastewater treatment systems are operated according to National Pollution Discharge Elimination System (NPDES) and State Disposal System (SDS) permits issued by the MPCA. The ownership and operation of publicly owned wastewater treatment and sewer systems is the work of approximately 800 Minnesota cities and sanitary districts. Of the latter, MCES and Western Lake Superior Sanitary District are the most prominent in the extent of services provided.

This report does *not* address:

- Privately owned NPDES or SDS permitted wastewater treatment facilities (e.g., industrial and commercial dischargers that do not discharge to publicly owned wastewater treatment facilities).
- Privately owned Subsurface Sewage Treatment Systems (SSTS), which account for approximately 25% of the domestic wastewater discharged by Minnesota residences.
- Stormwater collection systems, management, and treatment practices. Based primarily on population, approximately 200 of Minnesota's municipalities are responsible for stormwater management according to the conditions of NPDES stormwater permits. Stormwater in communities not subject to stormwater permits is managed according to nonpoint source best management practices.

- Publicly owned wastewater treatment facilities with flows less than 10,000 gallons per day (approximately 30 households) and land based disposal. These facilities are not issued NPDES or SDS permits.
- Unsewered communities, which are typically very small rural communities without sewer and wastewater treatment systems.
- Under-sewered communities defined by the MPCA as communities with inadequate or deteriorated sewer systems and substandard or non-existent wastewater treatment with direct discharges. These are typically very small rural communities. (For a discussion of the wastewater needs of unsewered and under-sewered Minnesota communities see: *Small Community Wastewater Needs in Minnesota* issued by the MPCA in June 2008 and available at: <https://www.pca.state.mn.us/sites/default/files/wq-wwtp1-06.pdf>.)

## New survey format

For the first time, WINS was conducted electronically using Snap Survey. Eight hundred forty five (845) Communities and Sanitary Districts were emailed links to complete the survey on June 1, 2017, and approximately 85% of these communities submitted a completed survey by July 26, 2017. The electronic format of the survey significantly reduced cost and staff time needed to print, mail, and manually manage data. Many cities contacted MPCA staff requesting assistance with completing the Snap Survey, suggesting that the survey format was challenging for some first time users. As Snap Survey is used for future WINS, user comfort should increase.

## Data sources

The data in this report have been acquired from sources including:

### The 2017 Wastewater Infrastructure Needs Survey (WINS)

The 2017 WINS survey was emailed to communities and sanitary districts in June 2017 and 715 communities completed the survey. A total of 1,050 projects were identified by those communities that completed the survey. The list of all projects reported in the 2017 WINS are provided in Appendix 1.

### The State Fiscal Year 2018 Project Priority List September 2018

The Clean Water Project Priority List (PPL) consists of project proposals submitted to the MPCA by communities and sanitary districts seeking financial assistance, generally within the next five years, for sewer and wastewater treatment construction projects, as well as stormwater projects. The MPCA prepares the PPL annually by ranking project proposals according to environmental criteria defined by Minn. R. ch. 7077. The PPL is then used by the Public Facilities Authority (PFA) to award grants and low-interest loans. The State Fiscal Year (SFY) 2018 PPL is included as Appendix 2 of this Report. For information regarding PFA grants and loans, see <http://mn.gov/deed/government/public-facilities/funds-programs/>.

It should be noted that 221 projects were identified on the 2018 PPL that did not appear to be reported in the 2017 WINS. The majority of these projects were for unsewered communities that were not sent WINS, or communities that did not complete their WINS. The combined list of WINS and PPL projects used for this report can be found in Appendix 1.

Needs addressed by the 2018 PPL for wastewater projects represent approximately 32% of the number of proposed projects and 40% of project costs for Minnesota as reported in WINS. Needs represented on the 2018 PPL by number of projects and costs are both higher than those numbers reported in 2015

(22% and 30%, respectively), possibly indicating a better understanding by communities about our financial assistance programs in relation to their infrastructure needs.

## Basics of wastewater and wastewater treatment

Wastewater treatment processes range from relatively simple (stabilization ponds) to very complex (activated sludge treatment facilities), but all require careful operation and management to ensure the protection of the receiving water. The wastewater treatment process screens out debris and separates suspended solids and greases from the wastewater. One or more biological treatment processes are then used to remove dissolved organic matter from wastewater. Together this series of processes is referred to as *secondary treatment*. Depending on the need to address specific pollutants or improve conditions in receiving waters, *advanced treatment* may also be required. Advanced treatment typically focuses on one pollutant, such as phosphorous.

For more information on wastewater treatment basics, see any previous WINS Reports or visit the MPCA website on Wastewater: <https://www.pca.state.mn.us/water/wastewater>.

## State water quality standards

Minnesota Stat. § 115.03, subd. 9(4) requires the listing of “...existing and proposed state water quality standards which are more stringent than is necessary to comply with federal law, either because the standard has no applicable federal water quality criteria, or because the standard is more stringent than the applicable federal water quality criteria.” While the federal Clean Water Act (CWA) establishes the requirements to develop and implement standards and the procedures for doing so, the details of water quality protection are left up to the states. This recognizes the “place-based” nature of water quality protection – water bodies in different areas have different characteristics, support different uses, and react differently to pollutants. Therefore, different standards are needed to protect those diverse water bodies. Minnesota’s standards are developed to protect the uses of Minnesota’s waters in conformance with the federal CWA requirements.

Often, the U.S. Environmental Protection Agency (EPA) develops national numeric water quality criteria, and the MPCA adopts water quality standards based on these national criteria by tailoring them to local conditions. Where federal criteria do not exist, states may still need to adopt numeric standards to meet the federal requirement of protecting designated uses.

For example, in Minnesota where wild rice is an important component of the aquatic life community of many waters and is a resource of cultural significance, the state has adopted a standard to protect wild rice from impacts due to excess sulfate. Such a numeric standard does not exist at the federal level, but it fulfills the federal requirement of protecting existing and designated uses. Similarly, Minnesota has adopted nutrient standards to protect lakes and rivers from nutrient enrichment, which affects recreational suitability and aquatic life. Minnesota’s standards are based on Minnesota-specific conditions and considerations. For more information on sulfate standards, see:

<https://www.pca.state.mn.us/water/protecting-wild-rice-waters>.

Additionally, the MPCA has proposed new limits for facilities that have the potential to contribute levels higher than allowed by adopted standards for phosphorus, chloride, and mercury. For more information on the development of eutrophication standards and phosphorus limits, see:

<https://www.pca.state.mn.us/water/phosphorus-wastewater>. For more information on salty water problems, chloride standards, and solutions proposed by the Chloride Work Group (made up of

volunteers from municipalities), see: <https://www.pca.state.mn.us/water/salty-water-growing-problem-minnesota>. For information on the permitting strategy for addressing mercury, see: <https://www.pca.state.mn.us/sites/default/files/wq-wwprm1-16.pdf>.

## **Types of infrastructure costs: capital costs, operation, and maintenance costs**

While this report focuses on future capital costs, publicly owned wastewater treatment and sewer systems are subject to both capital costs and operation and maintenance costs.

Capital cost increases result from one or more of the following factors:

- Infrastructure rehabilitation and replacement
- Community growth requiring infrastructure expansion
- Development of systems to address wastewater collection and treatment in unsewered and under-sewered communities
- Treatment facility upgrades to meet more restrictive wastewater discharge standards

Operation and maintenance cost increases are attributable to:

- Changes in operation and maintenance procedures resulting from capital changes
- Expansion of treatment facility systems and processes
- Sewer system expansion
- Increases in costs for personnel, chemicals, and supplies
- Changes in operation and maintenance to achieve more restrictive discharge standards

Capital projects are identified in the report as follows:

- **Sewer System Projects** – Projects involving the rehabilitation, construction and/or expansion of existing sewer and interceptor systems and projects to correct infiltration and inflow and/or combined sewer overflows. Infiltration and Inflow (I&I) is stormwater and ground water that enters sanitary sewers through leaks or through illegal connections. Combined Sewer Overflows (CSOs) are discharge points in a sewer system that are utilized to release untreated wastewater to surface waters when the combination of wastewater and stormwater exceeds the capacity of wastewater treatment facilities. Sewer systems constructed prior to the 1950s typically combined the collection of wastewater and stormwater. The primary solution to this problem is to construct separate sanitary and storm sewer systems.
- **Wastewater Treatment Projects** – The construction, improvement, and expansion of treatment facilities for the secondary and advanced treatment of wastewater to meet water quality standards.

# Wastewater infrastructure needs and capital costs

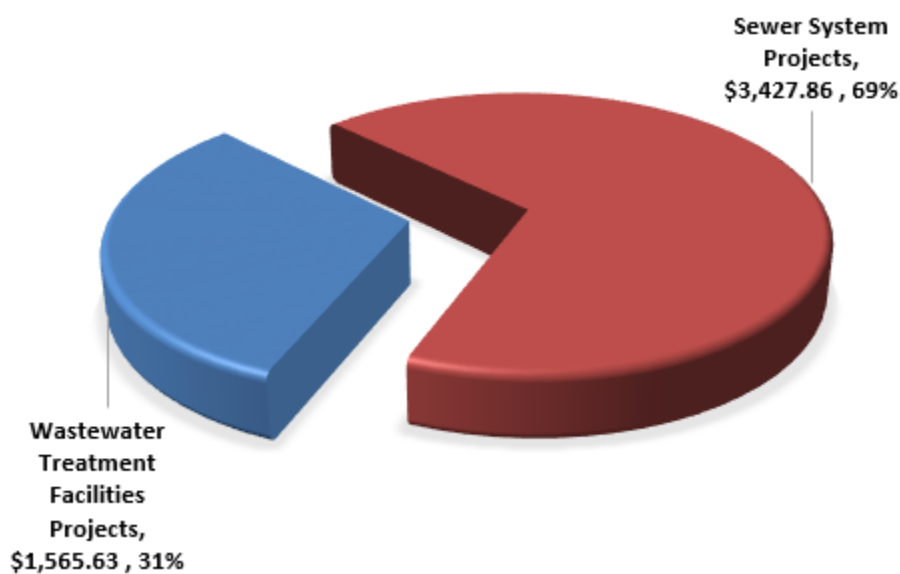
This section provides summary information on future wastewater infrastructure needs and capital costs facing Minnesota communities and sanitary districts. The summary data is based on over 1,050-wastewater infrastructure projects identified as future needs in the 2017 WINS survey and/or listed on the 2018 PPL. Summaries are provided statewide according to project type, the contrasting needs of Greater Minnesota and the Twin Cities Metropolitan Area (TCMA), Minnesota's Economic Development Regions, and the proposer's projected time frame. The following charts and tables provide a basic overview of the projected \$4.99 billion<sup>1</sup> in wastewater infrastructure needs. The specific needs of individual communities as reported in the 2017 WINS survey and PPL are summarized in Appendix 1.

Project costs in WINS were required to be reported in the unit of *millions of dollars*. It should be noted that some projects were reported with an impossibly high cost, and likely the reported value was in *dollars*. For example, there were twelve projects with a cost reported as greater than \$10,000 million that were assumed to be reported in *dollars* and were automatically converted to *millions of dollars*. MPCA staff attempted but was unable to confirm the correct value with some of these communities.

Additionally, some communities provided an overall cost of a project, but did not give data on the type of project (i.e. New Collection or Advanced Treatment). Therefore, these projects are categorized as Undefined Wastewater Treatment and Sewer System Projects.

The \$4.99 billion dollars in project costs are distributed between wastewater treatment and sewer system projects as indicated in Chart 2:

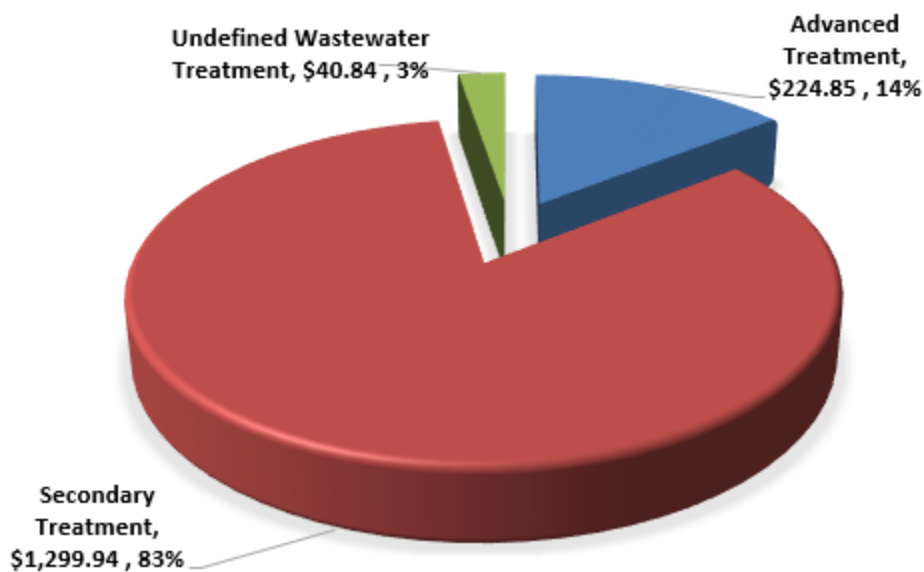
**Chart 2: Statewide wastewater infrastructure needs by project type (millions)**



<sup>1</sup> The reported \$4.99 billion (\$4,990 million) of overall need of the 2018 Report compares to reported needs of previous years (in millions) as follows: 2016 - \$4,207.66; 2014 - \$3,986.77; 2012 - \$3,658; 2010 - \$4,340; 2008 - \$4,526.57; 2006 - \$3,483.59 and 2004 - \$2,539.28. The large increase in cost from 2004 to 2008 is thought to have been caused by an increase in the number of communities completing WINS and higher quality data.

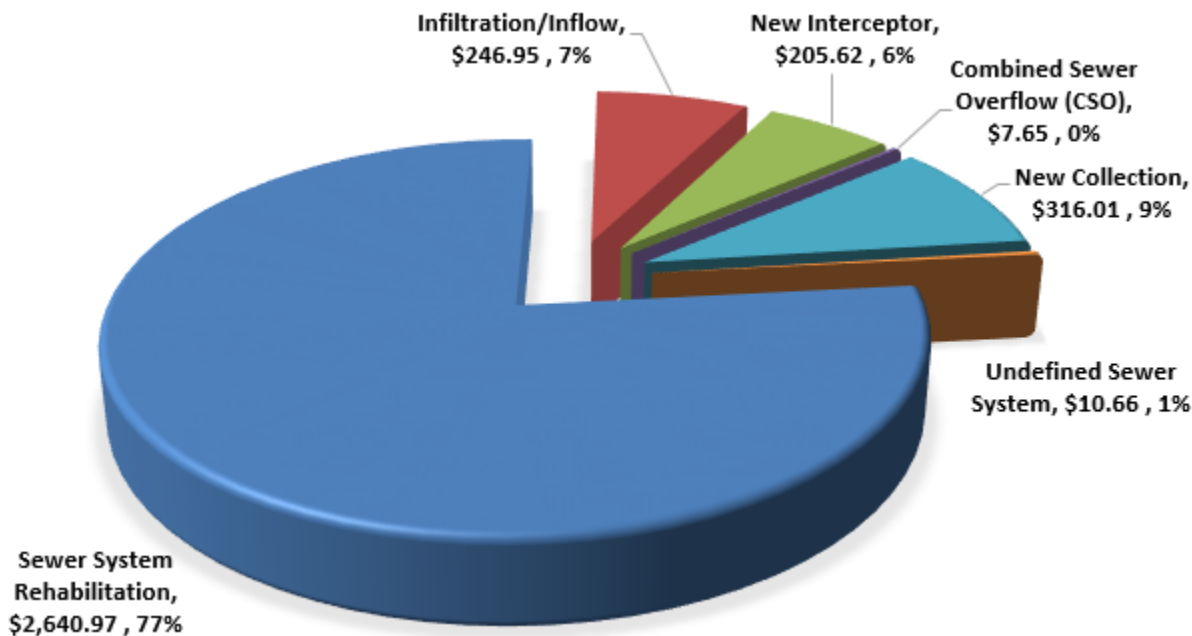
The \$1,565.63 million dollars in wastewater treatment project costs, which include rehabilitation, improvement, and expansion of wastewater treatment facilities, are distributed between secondary and advanced treatment<sup>2</sup> as indicated in Chart 3:

**Chart 3: Statewide distribution of wastewater treatment facility needs according to secondary and advanced treatment (millions)**



Of the \$3,427.86 million dollars of sewer system projects to rehabilitate, improve, and expand sewer and interceptor systems, costs are distributed as indicated in Chart 4:

**Chart 4: Statewide distribution of sewer system needs by type of sewer project (millions)**



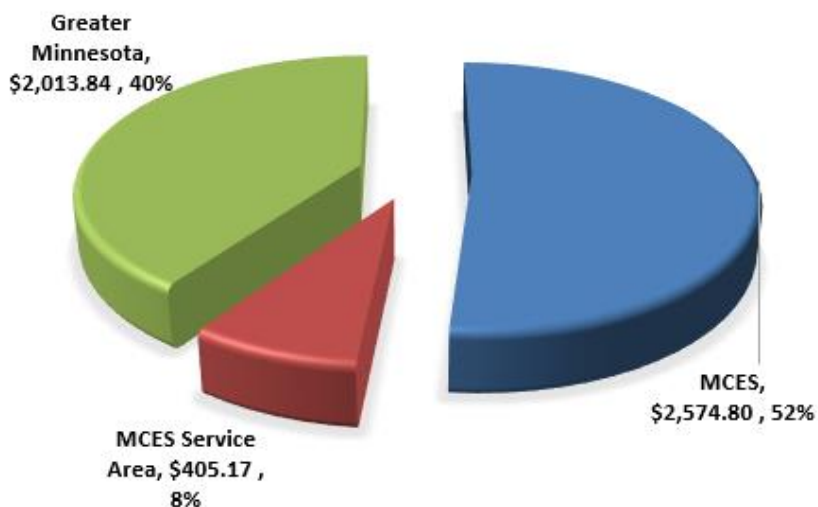
<sup>2</sup> For descriptions of secondary and advanced treatment, please see page 4.

## Greater Minnesota needs and MCES service area needs

This section provides summary information on future wastewater infrastructure needs and capital costs facing Greater Minnesota, as compared to the Metropolitan Twin Cities. Metropolitan area wastewater infrastructure needs and capital costs include those of MCES and MCES Service Area Communities.\*

The distribution of need for Greater Minnesota as compared to the MCES and the approximately 112 communities served by MCES can be found in Chart 5:

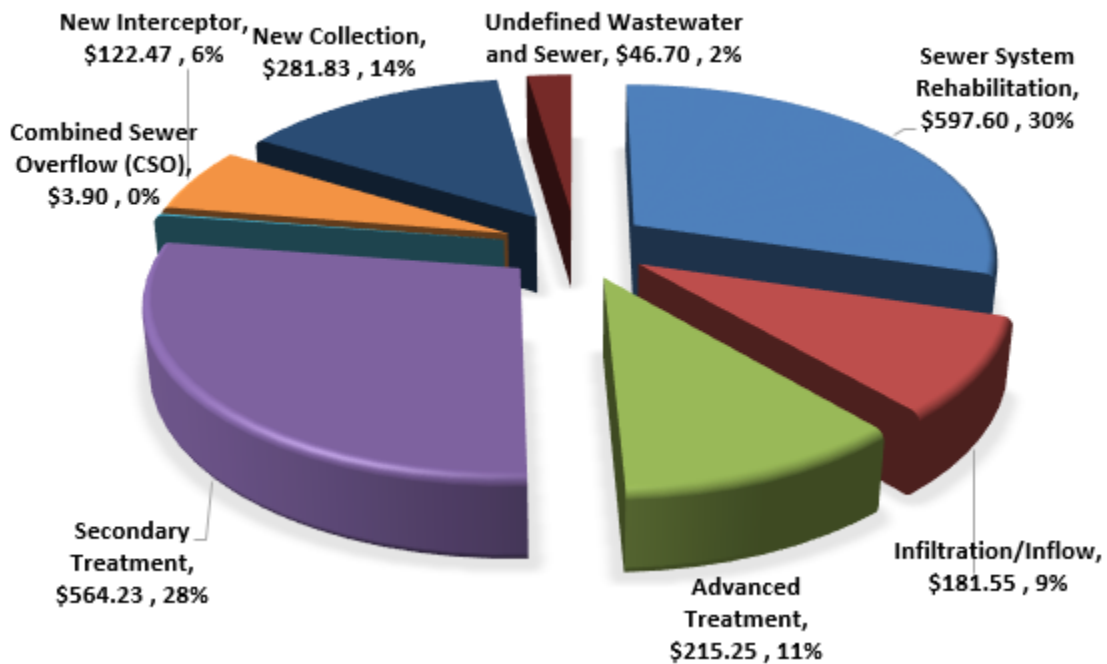
**Chart 5: Statewide wastewater infrastructure needs of Greater Minnesota, MCES, and MCES Service Area Communities (millions)**



\*The MCES service area encompasses approximately 112 communities serving a total population of: 2,608,072, 51% of the State's total population (2010 US Census). See Appendix 3 for a list of MCES Service Area Communities.

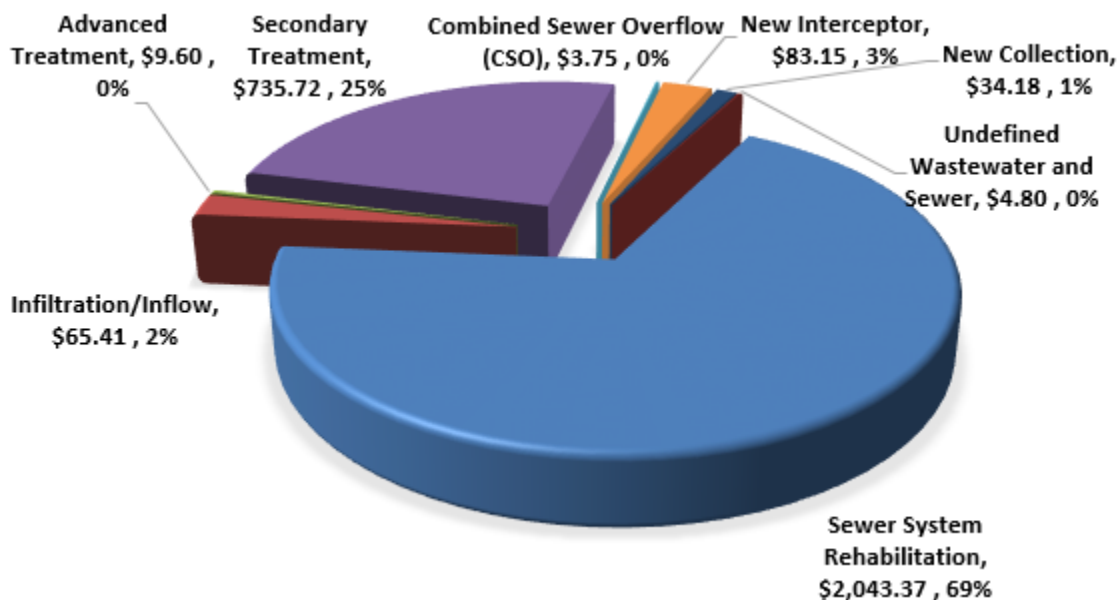
The distribution of costs by type of project as reported by Greater Minnesota can be found in Chart 6:

**Chart 6: Greater Minnesota wastewater infrastructure needs by treatment facilities and sewer system type -- total Greater Minnesota need = \$2,013.53 (millions)**



The distribution of costs by type of project as reported by MCES and MCES Service Area Communities can be found in Chart 7:

**Chart 7: MCES and MCES Service Area Communities wastewater infrastructure needs by treatment facilities and sewer system type – total need = \$2979.98 (millions) \***



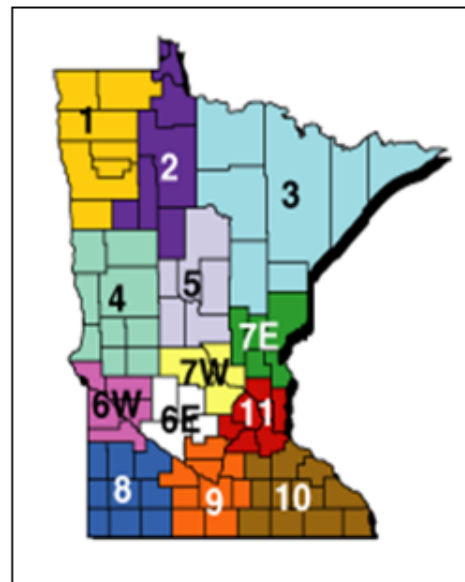
\* The comparatively low percentages for “New Collection” may be influenced by a widespread local community policy of requiring residential developers to incorporate wastewater collection construction into development projects. Consequently, such capital costs are not reported to the WINS survey, which only identifies *public* needs. Also, note that approximately 90% of the \$83.15 million of New Interceptor needs is attributable to MCES.

## Needs by economic development region

Table 1 provides a summary of the total cost of projects as reported in the 2017 WINS for communities in each Economic Development Region (EDR). A map and list of counties located within each EDR are located in Table 1.

**Table 1: Projected wastewater infrastructure needs by Minnesota's Economic Development Regions**

| Economic Development Region (EDR) | Projected Wastewater Infrastructure Needs (millions) |
|-----------------------------------|--|
| 1                                 | \$45.73  |
| 2                                 | \$48.71  |
| 3                                 | \$396.25   |
| 4                                 | \$173.26   |
| 5                                 | \$96.65  |
| 6E                                | \$99.77  |
| 6W                                | \$52.10  |
| 7E*                               | \$75.46  |
| 7W*                               | \$304.92   |
| 8                                 | \$167.62   |
| 9                                 | \$167.48   |
| 10                                | \$283.12   |
| 11**                              | \$3,076.43   |



|              |              |               |               |               |               |              |            |
|--------------|--------------|---------------|---------------|---------------|---------------|--------------|------------|
| <b>EDR 1</b> | Mahnomen     | Otter Tail    | Meeker        | Mille Lacs    | Pipestone     | Dodge        | Dakota     |
| Kittson      | <b>EDR 3</b> | Pope          | Renville      | Pine          | Redwood       | Fillmore     | Hennepin   |
| Marshall     | Aitkin       | Stevens       | <b>EDR 6W</b> | <b>EDR 7W</b> | Rock          | Freeborn     | Ramsey     |
| Norman       | Carlton      | Traverse      | Big Stone     | Benton        | <b>EDR 9</b>  | Goodhue      | Scott      |
| Pennington   | Cook         | Wilkin        | Chippewa      | Sherburne     | Blue Earth    | Houston      | Washington |
| Polk         | Itasca       | <b>EDR 5</b>  | Lac qui       | Stearns       | Brown         | Mower        |            |
| Red Lake     | Koochiching  | Cass          | Parle         | Wright        | Faribault     | Olmstead     |            |
| Roseau       | Lake         | Crow Wing     | Swift         | <b>EDR 8</b>  | Le Sueur      | Rice         |            |
| <b>EDR 2</b> | St. Louis    | Morrison      | Yellow        | Cottonwood    | Martin        | Steele       |            |
| Beltrami     | <b>EDR 4</b> | Todd          | Medicine      | Jackson       | Nicollet      | Wabasha      |            |
| Clearwater   | Becker       | Wadena        | <b>EDR 7E</b> | Lincoln       | Sibley        | Winona       |            |
| Hubbard      | Clay         | <b>EDR 6E</b> | Chisago       | Lyon          | Waseca        | <b>EDR11</b> |            |
| Lake of the  | Douglas      | Kandiyohi     | Isanti        | Murray        | Watsonwan     | Anoka        |            |
| Woods        | Grant        | McLeod        | Kanabec       | Nobles        | <b>EDR 10</b> | Carver       |            |

\* EDRs 7E & 7W include three Twin Cities Metro Counties: Chisago, Sherburne, and Wright

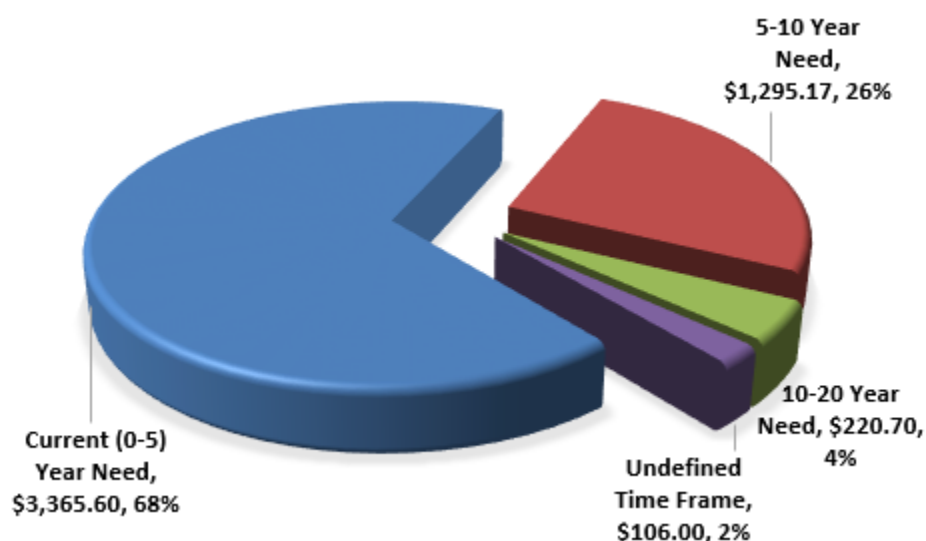
\*\* TCMA includes MCES, MCES Service Area Communities, and a number of projects in communities being integrated into the MCES Service Area.

## Statewide needs by timeframe

Chart 8 illustrates wastewater infrastructure needs by time frame. As indicated, the majority of costs are identified as current needs. Infrastructure costs of 5-10 years and 10-20 years may be underrepresented, in part because such costs are unanticipated. In addition, many communities, particularly smaller communities, lack the planning and fiscal resources to engage in strategic and comprehensive capital improvement planning.

It should be noted that in the 2017 WINS, communities were given a list of projects they previously submitted in the 2015 WINS, and asked to provide updates. In the resulting 2017 dataset, some of these projects have an outdated date of construction (prior to January 2018) and it is assumed that the survey user neglected to update the anticipated date of construction. These projects were added to the *Current (0-5) Year Need* group.

**Chart 8: Wastewater infrastructure needs by time frame (millions)**



## Completed wastewater infrastructure projects 2016 - 2017

During the two-year period from January 1, 2016, through December 31, 2017, a total of 369 wastewater infrastructure projects were completed throughout Minnesota at a total cost of \$1.03 billion. The distribution of costs and projects between Greater Minnesota, MCES, and MCES service area communities are as indicated on Chart 9. The number of completed projects dropped from what was reported in the 2015 WINS (541 projects), but the cost of the completed projects was similar (\$1.19 billion).

It should be noted that errors in rolling data over to the new electronic survey format were noted by communities while the survey was being conducted. This may have reduced the number of projects reported as completed on the 2017 WINS (completed projects may have been marked as “discontinued” if incorrect data was displayed, discontinued projects are not included in the completed project count). Additionally, costs are overall project totals for projects completed during the time period indicated. Multi-year projects may have been initiated and costs incurred prior to January 1, 2016.

**Chart 9: Distribution of \$1,030.86 (millions) of completed projects between Greater Minnesota, MCES and MCES Service Area Communities**

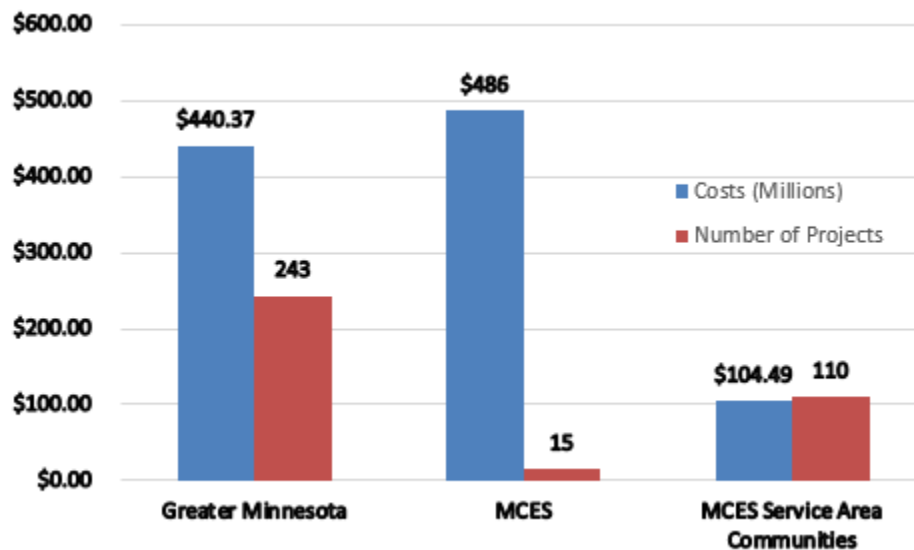


Chart 10 indicates that from January 2016 to December 2017, Greater Minnesota improvements focused on new collection system piping, sewer system rehabilitation (along with I&I correction), and improvement of secondary treatment.

**Chart 10: Distribution of \$440.36 (millions) of completed projects in Greater Minnesota**

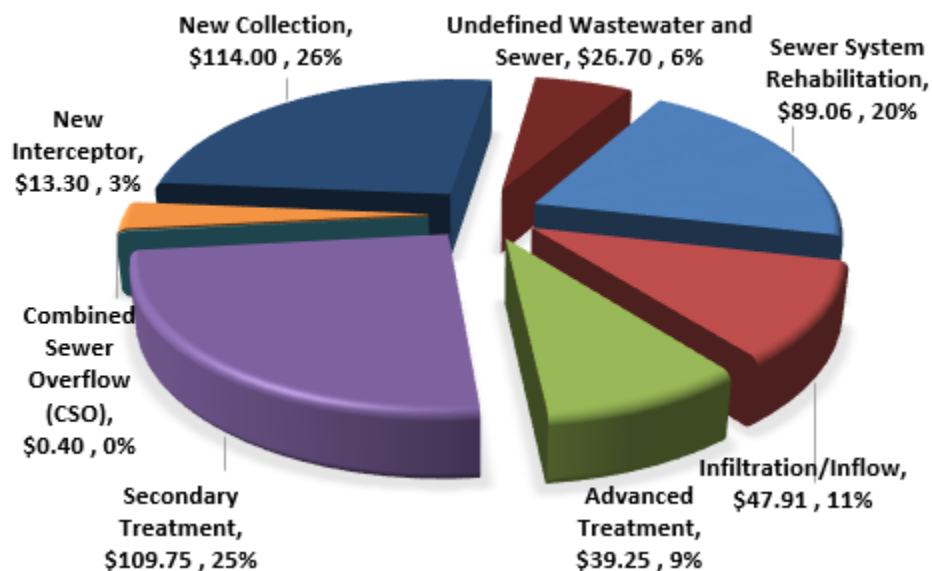


Chart 11 indicates improvements by MCES Service Area Communities from January 2016 to December 2017 focused primarily on I&I correction and sewer rehabilitation.

**Chart 11: Distribution of \$104.49 of completed projects in the MCES Service Area (in millions)**

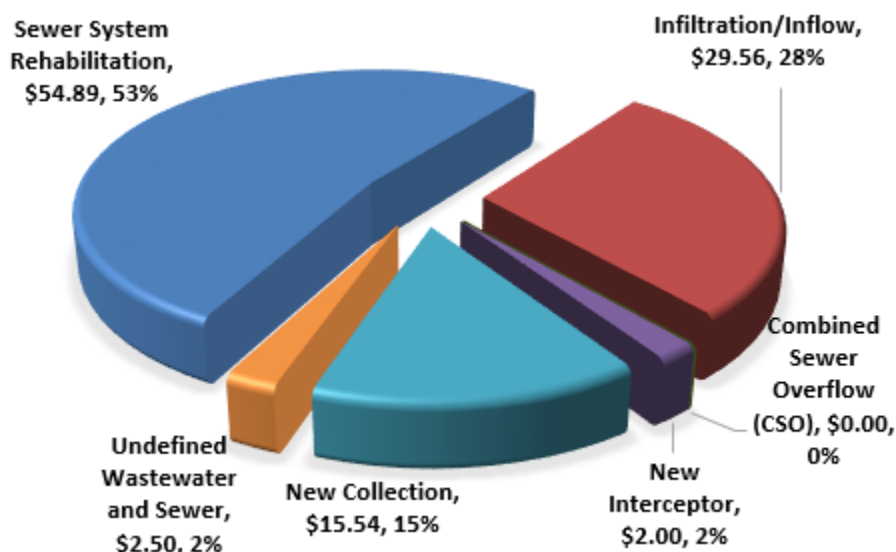
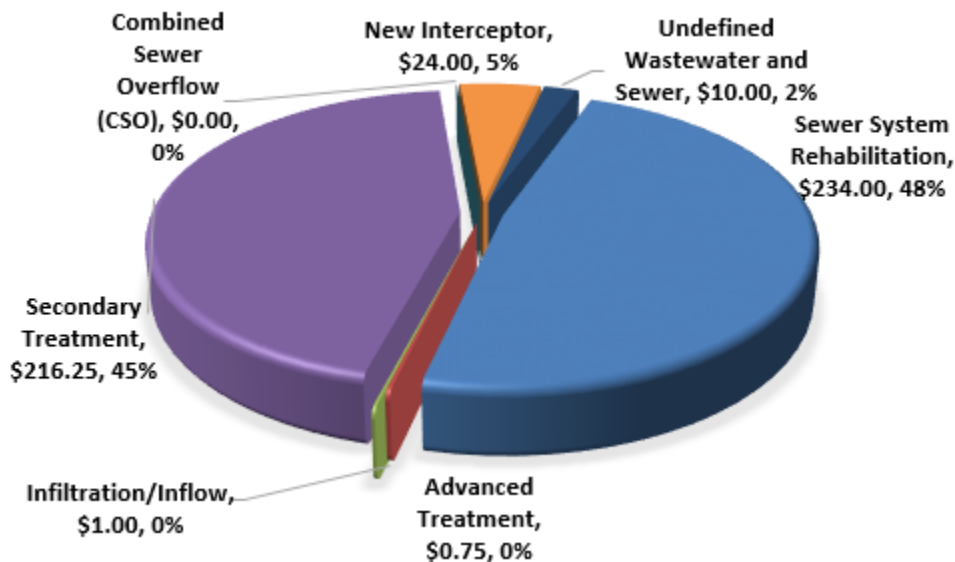


Chart 12 indicates construction activities by MCES from January 2016 to December 2017 focused on sewer rehabilitation and improvement of secondary treatment. It should be noted that the distribution of completed MCES projects from 2017 WINS information varies greatly from data submitted on the 2015 WINS. I&I projects decreased from 58% to 0% of the total, and Sewer System Rehabilitation projects increased from 17% to 49% of the total. This change is likely due to a small number of projects (15) being submitted as “completed” by MCES due to errors in rolling data over into the electronic survey format. In addition, the distinction between sewer I&I and rehabilitation projects is not clear and could have resulted in these reported changes.

**Chart 12: Distribution of \$486 of completed MCES improvement projects (in millions)**



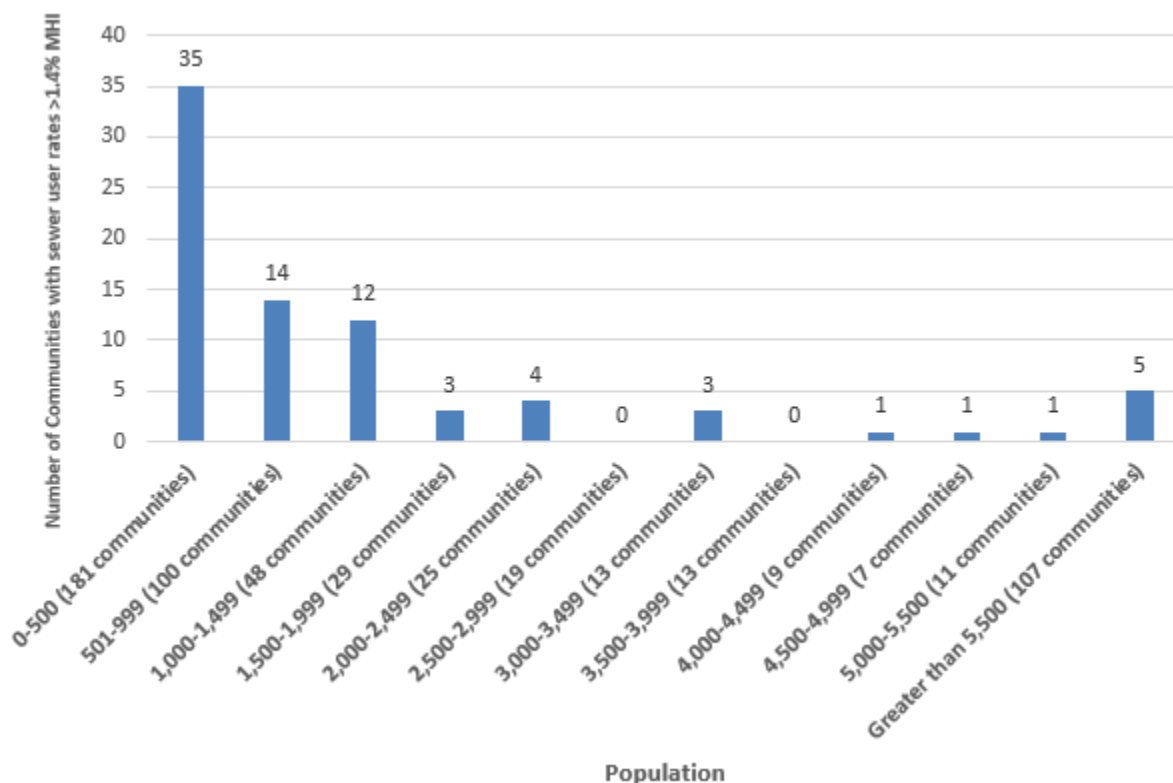
# Wastewater infrastructure needs, household costs, and affordability

This section provides summary information on household costs and a comparative measure of affordability of wastewater infrastructure projects.

Less populous communities frequently struggle with the affordability of wastewater infrastructure and treatment – they lack the economies of scale that help keep costs down in cities with large populations. The Minnesota Public Facilities Authority (PFA) uses 1.4% of median household income as a wastewater costs affordability index for Minnesota communities.

Chart 13 shows the number of communities in each population group that reported household costs greater than 1.4% of median household income. Costs are based on annual average residential sewer services charges, which encompass a community's infrastructure project costs and annual operation and maintenance costs. Household costs are presented as a percentage of annual median household income (2015 American Community Survey (ACS)). Sanitary sewer districts and other communities not listed in the 2015 ACS were not included in this analysis. As indicated, a greater number of smaller communities reported being above the affordability index. Of the 562 communities that provided usable sewer rate data, 19% (61 out of 329) of communities with populations less than 1,500 reported unaffordable rates in comparison to 8% (18 out of 233) being unaffordable for communities with populations greater than 1,500. The sewer charges of individual communities as reported in response to WINS and used to create Chart 13 are listed in Appendix 3.

**Chart 13: Number of communities with wastewater costs greater than 1.4% of MHI, according to population**



# Age and condition of existing wastewater infrastructure

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The American Society of Civil Engineers (ASCE) released an Infrastructure Report Card in 2017, giving the nation a D+ score for wastewater.<sup>3</sup> The report states, “It is expected that more than 56 million new users will be connected to centralized treatment systems over the next two decades, and an estimated \$271 billion is needed to meet current and future demands.” It is projected that by 2032 there will be a 23% increase in demand for wastewater treatment connections to treatment plants as population grows.

**Combined sewer overflows (CSO):** In many areas of the U.S., particularly in major metropolitan areas around and east of the Mississippi River, sewer systems constructed prior to the 1950s combined the collection of wastewater and stormwater. During heavy rainfall, these combined systems generate flows that greatly exceed the capacity of treatment facilities. Consequently, releases to surface water are necessary to keep from overwhelming and damaging treatment facilities.

The EPA considers CSOs to be “a priority water pollution concern for the nearly 860 municipalities across the U.S. that have CSSs.”<sup>4</sup> In many metropolitan areas and states, eliminating CSO discharges comprises a major share of infrastructure needs and costs. In contrast, Minnesota has acted effectively to address this problem. Thanks to a concerted funding effort during the 1980s and construction during the 1980s and 1990s, CSO elimination is now a relatively minor problem. Minnesota has only one remaining CSO permit, which has not reported discharge in many years.

**Aged sewers and treatment facilities:** The expected useful life of sewer piping is approximately 40-80 years. Factors including soils, geological conditions, flows, loadings, maintenance, and the deterioration of materials will determine the actual life of piping. The ongoing condition of sewers will vary, but performance can be enhanced and extended through effective programs of inspection, maintenance, repair, relining, and rehabilitation. Chart 14 presents the age of sewers in Greater Minnesota. As indicated, 42% of sewers in Greater Minnesota are less than 30 years old, 26% are 30-50 years old, and 32% of Greater Minnesota sewers were installed over 50 years ago.

Sewers installed over 50 years ago are frequently beyond their useful life because of their construction with vitrified clay tiles. Accordingly, substantial I&I, outflow, obstruction, and other performance problems tend to be pervasive. Based on current projects documented in WINS, it appears that the large percentage of aging sewer (58% are 30 years or older) correlates to a high percentage of sewer rehabilitation projects (31% of all projects) in Greater Minnesota.

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<sup>3</sup> Available at the ASCE website: <http://www.infrastructurereportcard.org/fact-sheet/wastewater>

<sup>4</sup> See EPA’s website on CSOs: <https://www.epa.gov/npdes/combined-sewer-overflows-csos>. Combined Sewer System (CSS) refers to a combined stormwater and wastewater sewer.

**Chart 14: Greater Minnesota - Age of Sewer Systems (10,890 miles of sewers surveyed)**

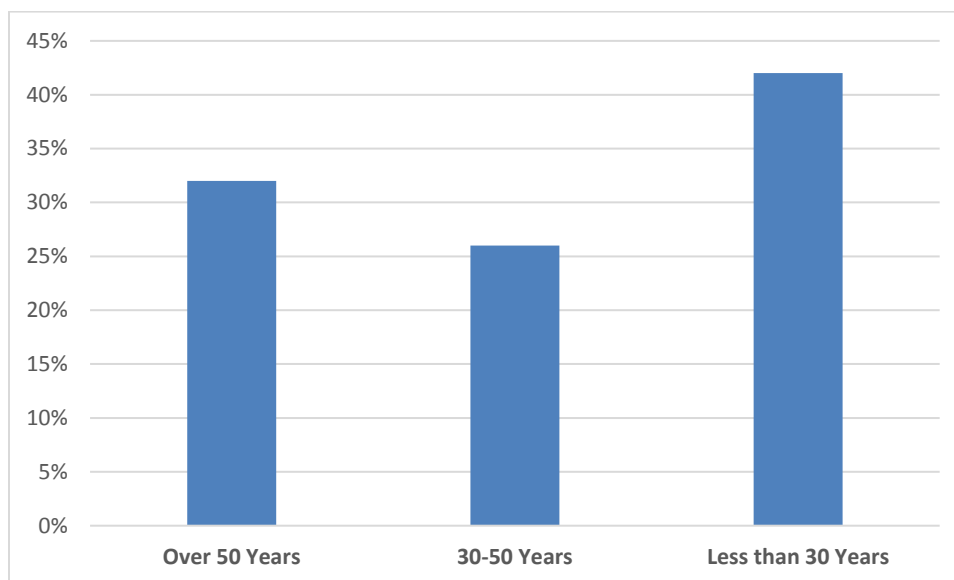
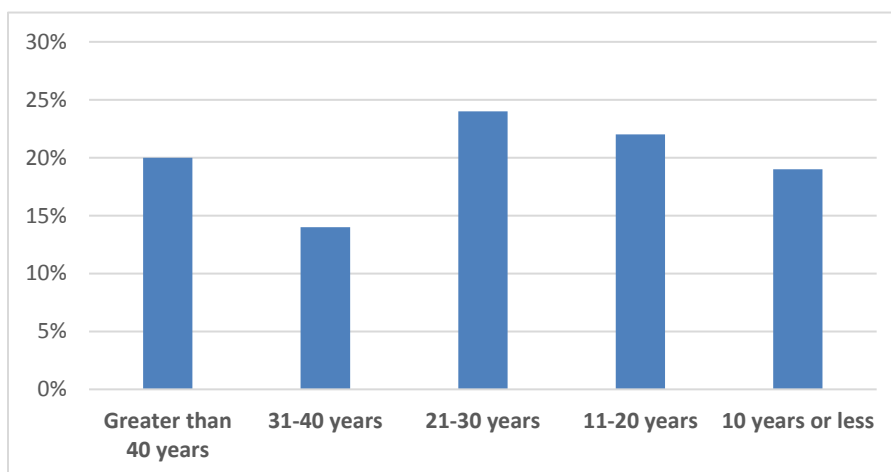


Chart 15 “Greater Minnesota Age of Wastewater Treatment Facilities” indicates the age of treatment facilities in Greater Minnesota.

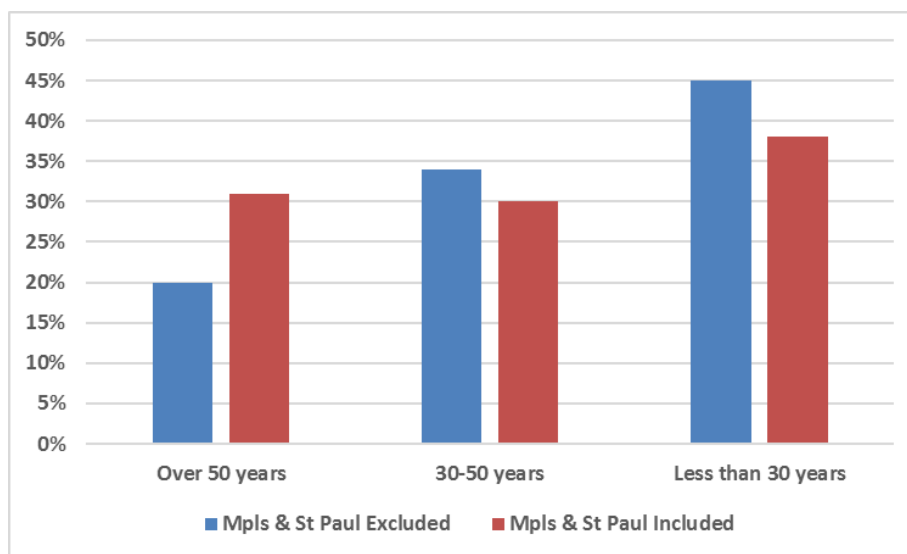
**Chart 15: Greater Minnesota - Age of Wastewater Treatment Facilities (503 facilities surveyed)**



While most wastewater treatment facilities were designed and built for 20 years of growth, the major structural components have an expected useful life of 40 years, dependent on operation and maintenance. As these structures deteriorate beyond their useful life, effectiveness declines, leading to a greater potential for permit violations, spills, unintended discharges, and operational and maintenance expenses. Currently, 20% of Greater Minnesota’s treatment facilities are over 40 years old. Without construction projects, infrastructure demands and costs will continue to increase significantly.

In the Twin Cities, local communities collect sewage from households, businesses, etc. and then route it to the appropriate MCES interceptors. MCES operates an extensive interceptor system, conveying wastewater to its treatment facilities. The age of sewers in the TCMA, excluding and including Minneapolis and St. Paul (MSP), is indicated in Chart 16.

**Chart 16: MCES Service Area Communities (excluding and including MSP) – Age of Sewer Systems**  
**MCES Service Area Communities (excluding MSP) – 7,543 miles of sewers**  
**MSP – 1,578 miles of sewers**



The reason for presenting MCES service area data with and without the Twin Cities is as follows: a) Minneapolis and St. Paul themselves have a high percentage (85%) of sewers constructed over 50 years ago, but have Capital Improvement Plans in place to rehabilitate sewers that were not a part of the circa 1980s and 1990s CSO program and, b) While not minimizing the very substantial investments and the costs being incurred by Minneapolis and St. Paul, these communities have the economies of scale and the established financial resources to complete these projects and are making substantial progress in rehabilitating and replacing older sewers.

Accordingly, in the MCES Service Area, 20% (1,509 miles) of sewers were installed 50 or more years ago. On average, suburban MCES Service Area Communities have a comparatively small percentage of sewers constructed over 50 years ago. However, this average conceals large percentages of communities with sewers 50 years and older, including Richfield, St Louis Park, Crystal, Golden Valley, and Roseville. The age of the sewer systems and wastewater treatment facilities of specific communities as reported in the 2017 WINS survey are provided in Appendix 3.

## Estimating future costs

WINS requests communities and sanitary districts to estimate costs for future needs by using the following time frames to better understand timing for future capital investments:

- Current needs (immediate needs up to 5 years)
- 5 – 10 year needs
- 10 – 20 year needs

The capability of survey responders to accurately estimate the future cost of infrastructure needs correlates with the availability of resources and expertise. The longer the timeframe from the initial estimate to actual construction and the availability of resources to accurately plan, design, and build for future needs will impact future costs. Asset Management Planning is one means of better recognizing and managing future needs. Asset Management Planning involves carefully maintaining and monitoring system components to gain the efficiencies of maximum useful life, as well as systematic replacement.

Smaller communities are less likely to have the resources required to have a robust Asset Management Plan. Of the 715 communities that submitted WINS, 221 (31%) reported that they have an Asset Management Plan.

## Average monthly residential sewer charges

Responding to the 2017 WINS, 585 communities identified what they charged for sewer service for an average or typical residential connection at an assumed volume of 5,000 gallons per month. Table 2 provides various statistical parameters for average monthly residential sewer charges in Greater Minnesota and in the MCES Service Area. Greater Minnesota charges are reported by a series of population ranges. The sewer charges of individual communities as reported in response to WINS and used to create Table 2 are listed in Appendix 3.

It should be noted that some sewer service charges were reported as remarkably high or low in the 2017 WINS, and the reported value was likely a quarterly or annual rate, or a typing error. There were eight communities that reported a charge of \$175 per month or greater and three that reported a charge of less than \$5. These values were not used to create the following table. MPCA staff attempted but were unable to confirm the rate as correct for these 11 communities.

**Table 2: Average monthly residential sewer charges for Greater Minnesota and the MCES Service Area, based on 5000 gal/day usage**

| Greater Minnesota                   |         |         |          |         |         |
|-------------------------------------|---------|---------|----------|---------|---------|
| Community Population                | Average | Median  | High     | Low     | Range   |
| Under 500                           | \$35.00 | \$32.00 | \$94.00  | \$8.00  | \$86.00 |
| 500 to 999                          | \$34.00 | \$32.00 | \$100.00 | \$10.00 | \$90.00 |
| 1,000 to 2,499                      | \$41.00 | \$38.00 | \$98.00  | \$11.00 | \$87.00 |
| 2,500 to 4,999                      | \$38.00 | \$37.75 | \$95.00  | \$10.00 | \$85.00 |
| 5,000 to 9,999                      | \$41.00 | \$35.00 | \$90.00  | \$13.00 | \$77.00 |
| 10,000 to 24,999                    | \$35.00 | \$33.00 | \$60.00  | \$19.00 | \$41.00 |
| 25,000 and over                     | \$29.00 | \$27.00 | \$39.00  | \$20.00 | \$19.00 |
| MCES Service Area (all communities) |         |         |          |         |         |
|                                     | Average | Median  | High     | Low     | Range   |
|                                     | \$26.00 | \$25.00 | \$54.00  | \$12.00 | \$42.00 |

## Variability of residential sewer charges

The overall range of sewer charges collected by Minnesota communities is considerable. The City of Clear Lake, which has the highest reported residential sewer charges in the state (as reported in 2017 WINS) collected \$100.00 monthly as compared to several communities that charge \$10 or less monthly. Note that in the table, the smallest range of sewer charges (from highest to lowest) is that of Greater Minnesota communities with a population 25,000 and over and yet even for this group the highest charge is almost two times the lowest. This remarkable variability of costs can be both puzzling and a matter of significant concern to the residents of a community facing sewer charges that are several times those of a neighboring community – where the neighbor is otherwise quite similar in population and other characteristics. Here are a number of factors that help to account for the variability of charges:

- **Stage in the life cycle** – If Community #1 has recently constructed a treatment facility and made major improvements to its sewer system, its residential sewer charges are likely to be quite high, especially if compared to Community #2 that has fully retired the debt on its existing infrastructure. Such differences in stage of the life cycle can result in what are perhaps the most dramatic contrasts in sewer charges.
- **Economies of scale** – In constructing wastewater infrastructure, particularly treatment facilities, there are certain threshold costs that must be met to build, for example, treatment ponds serving a population of 500. Once these costs are met, it is incrementally less expensive to construct expanded ponds that will serve a population of 1,000 or 1,500. The costs of such expanded ponds in more populous communities can then be “spread out” over a large base of residential customers. As a result, residential customers in smaller communities will likely face higher sewer charges.
- **Population densities and the structure of communities** – In providing sewer services, population densities and the physical structure of a community can have a significant impact on capital costs, and, to a lesser extent, operation and maintenance costs. Consider, for example, an older, developed Minneapolis neighborhood where residential structures are adjacent on small lots and streets are laid out on a grid – as compared to a suburban community with very large lots, winding streets, or a community built up around a lake or a small town with scattered development. Clearly, the older city grid structure will have lower capital and maintenance costs, which should affect residential sewer charges.
- **Meeting permit requirements** – Treatment facilities that fail to meet NPDES or SDS discharge permit requirements – releasing insufficiently treated discharges and excessive volumes – can, at least in the short term, be less expensive to operate, resulting in lower sewer charges. Treatment facilities fail to meet discharge requirements because of an inadequate physical plant (deteriorated structures or insufficient capacities) or failure to operate and maintain the plant properly. Failure to meet permit requirements can also be brought about by a sewer system where excessive I&I results in unauthorized discharges from a treatment facilities overwhelmed by the volume of wastewater. The apparent cost “savings” of failing to meet permit requirements will actually result in higher overall costs because of fines and other penalties and because of costs of rehabilitating or replacing neglected treatment and sewer systems.
- **Advanced treatment** – Implementation of the EPA Total Maximum Daily Load program will result in permit requirements to reduce the discharge of specific pollutants into water resources and watersheds. These advanced treatment requirements, the costs of which are included in the report, result in additional capital and operation and maintenance expenditures and corresponding increases in residential sewer charges.
- **Asset management** – Asset management is the planned and systematic operation and maintenance of treatment facilities and sewer systems structures to ensure that structures and equipment will achieve their maximum service life. While proper asset management can have both short and long-term benefits, avoiding costly failures can result in somewhat increased ongoing operational and maintenance costs. Conversely, without effective asset management, the costs of reoccurring failures and emergencies can quickly increase residential sewer charges.
- **Recovering costs through assessments and property taxes** – Communities have the option of recovering all of their wastewater costs through sewer charges. Communities also choose to recover capital costs through property assessments and property taxes. Clearly, these choices can have a dramatic impact on residential sewer charges. Sewer charges can be much higher in a community that recovers all of its costs through the sewer charge, as compared to a community that makes use of property assessments and property taxes, even when the actual overall cost per residential connection is the same.

- **Subsidizing wastewater costs** – Although as a rule Minnesota communities operate wastewater utilities as dedicated funds (i.e., sewer service income through charges and sewer service expenses are kept separate from other municipal funds), communities may also subsidize wastewater costs from other city revenue (e.g., municipal liquors), resulting in residential sewer charges that are below what is required to cover costs.
- **Site availability and conditions for soil based systems** – For small communities where the cost of a conventional wastewater sewer and treatment system is too expensive, SSTs that serve individual residences, clusters of residences, or the full community may be the most practical alternative. Despite reduced costs of some of these systems, site-specific conditions, such as small residential lots, unsuitable soil types for treatment, or insufficient depth to high water table, may add significant costs. Cost increases may also be related to discharge standards necessary to protect groundwater and related public health.

Appendices to 2018 Future Wastewater Infrastructure Needs and Capital Costs are bound as a separate document available upon request. The table of contents above briefly describes the Appendices. The report and the appendices will also be available early 2018 at the following location on the MPCA website: <https://www.pca.state.mn.us/about-mpca/legislative-reports>

| Name of Community         | Name of Project  | Type of Project                         | Anticipated date of construction* | Total estimated project cost - millions | Currently on PPL | Intend to put on PPL |
|---------------------------|--|---|-----------------------------------|---|------------------|----------------------|
| Adams                     | 2017 street project                                      | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| Adrian                    | Adrian Suedkamp Development                              | Sewer System Project                    | 2016                              | 0                                       | No               | No                   |
| Adrian                    | Sanitary Sewer Rehabilitation                            | Sewer System Project                    | 2018                              | 2                                       | No               | No                   |
| Afton                     | grg  | Wastewater Treatment Facilities Project |                                   |   | Yes              | Yes                  |
| Aitkin                    | 1  | Sewer System Project                    | 2015                              | 2                                       | Yes              | Yes                  |
| Aitkin                    | 2  | Sewer System Project                    | 2015                              | 2                                       | Yes              | Yes                  |
| Aitkin                    | 1st ST NW AND 7th AVE NW                                 | Sewer System Project                    | 2017                              | 2                                       | No               | Yes                  |
| Aitkin                    | 1st Avenue NE Utility Improvements                       | Sewer System Project                    | 2022                              | 1                                       | Yes              | Yes                  |
| Aitkin                    | Unnamed  | Sewer System Project                    | 2022                              | 0                                       | Yes              | Yes                  |
| Aitkin                    | 3rd Street NW Utility Improvements                       | Sewer System Project                    | 2022                              | 2.3                                     | Yes              | Yes                  |
| Aitkin                    | Industrial Park/NE Sewer Improvements (County 54)        | Sewer System Project                    | 2020                              | 1                                       | Yes              | Yes                  |
| Aitkin                    | Ripple River Siphon Crossing                             | Sewer System Project                    | 2021                              | 0                                       | Yes              | Yes                  |
| Akeley                    | sd   | Sewer System Project                    |                                   |   | Yes              | Yes                  |
| Albert Lea                | Giles Place Reconstruction                               | Sewer System Project                    | 2019                              | 0                                       | No               | No                   |
| Albert Lea                | Newton Avenue Reconstruction                             | Sewer System Project                    | 2019                              | 0                                       | No               | No                   |
| Albert Lea                | Clausen Avenue/High Street Reconstruction                | Sewer System Project                    | 2019                              | 0                                       | No               | No                   |
| Albert Lea                | Bridge Avenue Reconstruction                             | Sewer System Project                    | 2020                              | 1                                       | No               | No                   |
| Albert Lea                | Sanitary Sewer Slip Lining Program                       | Sewer System Project                    | 2020                              | 1                                       | No               | No                   |
| Albert Lea                | Lift Station Pump Rebuilding Project                     | Sewer System Project                    | 2020                              | 0                                       | No               | No                   |
| Albert Lea                | 102 James Avenue Lift Station VFD Replacement            | Sewer System Project                    | 2019                              | 0                                       | No               | No                   |
| Albert Lea                | New Public Works Facility Garage - Phase 2               | Sewer System Project                    | 2021                              | 2                                       | No               | No                   |
| Albert Lea                | Concrete Street Rehabilitation                           | Sewer System Project                    | 2020                              | 0                                       | No               | No                   |
| Albert Lea                | Neighborhood and State Aid Overlay Program               | Sewer System Project                    | 2020                              | 0                                       | No               | No                   |
| Albert Lea                | WWTP Property Acquisition                                | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Albert Lea                | Alley Sewer Improvement between College and Main Streets | Sewer System Project                    | 2020                              | 1                                       | No               | No                   |
| Albert Lea                | Waste Activated Sludge Piping                            | Wastewater Treatment Facilities Project | 2021                              | 0                                       | No               | Yes                  |
| Albert Lea                | East Side Sewer System Upgrades                          | Sewer System Project                    | 2017                              | 1                                       |                  |                      |
| Albert Lea                | Northwest Water and Sewer Extension                      | Sewer System Project                    | 2017                              | 2                                       | Yes              |                      |
| Albert Lea                | Lincoln Avenue   | Sewer System Project                    | 2017                              | 0                                       |                  |                      |
| Albert Lea                | Slipline Horseshoe Sanitary Sewer                        | Sewer System Project                    | 2017                              | 0                                       |                  |                      |
| Albert Lea                | Effluent Filter Replacement                              | Wastewater Treatment Facilities Project | 2018                              | 0                                       |                  |                      |
| Albert Lea                | Install Density Current Baffles                          | Wastewater Treatment Facilities Project | 2019                              | 0                                       |                  |                      |
| Albert Lea                | Install Hazardous Environment Gas Detectors              | Wastewater Treatment Facilities Project | 2019                              | 0                                       |                  |                      |
| Albert Lea                | Rehabilitate Digester Heating System                     | Wastewater Treatment Facilities Project | 2016                              | 0                                       |                  |                      |
| Albert Lea                | Replace Aeration Blower                                  | Wastewater Treatment Facilities Project | 2017                              | 1                                       |                  |                      |
| Albert Lea                | WWTP Septic Receiving Station/Grit Building Renovation   | Wastewater Treatment Facilities Project | 2017                              | 3                                       |                  |                      |
| Albert Lea                | Sheridan Reconstruction                                  | Sewer System Project                    | 2019                              | 0                                       | No               | No                   |
| Albert Lea - Stables Area | Unsewered area, sewer extension                          | Sewer System Project                    | 2018                              | 1.88                                    | Yes              |                      |
| Albertville               | Future Projects (Sanitary Sewer)                         | Sewer System Project                    | 2025                              | 1                                       | No               | No                   |
| Albertville               | Wastewater Treatment Plant Improvement                   | Wastewater Treatment Facilities Project | 2021                              | 24.5                                    | No               | Yes                  |
| Alexandria Lakes Area San | Additional aerobic digester cell                         | Wastewater Treatment Facilities Project | 2018                              | 2.21                                    | Yes              |                      |
| Alexandria Lakes Area San | Interceptor improvements                                 | Sewer System Project                    | 2018                              | 1.33                                    | Yes              |                      |
| Alexandria Lakes Area San | Interceptor improvements, CR82                           | Sewer System Project                    | 2018                              | 1.37                                    | Yes              |                      |
| Alexandria Lakes Area San | Interceptor improvements, AGA Drive                      | Sewer System Project                    | 2018                              | 0.706                                   | Yes              |                      |
| Alvarado                  | Rehab existing sewer system                              | Sewer System Project                    |                                   | 0                                       |                  |                      |
| Alvarado                  | Unnamed  | Wastewater Treatment Facilities Project |                                   | 0                                       |                  |                      |
| Andover                   | Crosstown Boulevard Trunk sewer line                     | Sewer System Project                    | 2020                              | 0                                       | No               | No                   |
| Andover                   | Unnamed  | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Andover                   | Rural Reserve Trunk Sanitary Sewer                       | Sewer System Project                    | 2022                              | 2                                       | No               | No                   |
| Andover                   | Yellow Pine lift station                                 | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Annandale 1               | Rehab collection 1                                       | Sewer System Project                    | 2018                              | 0.626                                   | Yes              |                      |
| Annandale 2               | Rehab collection 2                                       | Sewer System Project                    | 2018                              | 1.05                                    | Yes              |                      |
| Anoka                     | 38th Avenue Trunk Sanitary Sewer Capacity Project        | Sewer System Project                    | 2017                              | 2                                       | No               | No                   |
| Appleton                  | Rehab treatment  | Wastewater Treatment Facilities Project | 2018                              | 3.02                                    | Yes              |                      |
| Austin                    | Baldwin Lift Station                                     | Sewer System Project                    | 2021                              | 0                                       | No               | No                   |
| Austin                    | Turtle Creek Interceptor Repairs                         | Sewer System Project                    | 2018                              | 2                                       | No               | No                   |
| Austin                    | High Rate Filter Improvements                            | Wastewater Treatment Facilities Project | 2018                              | 7                                       | No               | Yes                  |
| Austin                    | Intermediate/Final Clarifier Upgrades                    | Wastewater Treatment Facilities Project | 2018                              | 3                                       | No               | Yes                  |
| Austin                    | Main Plant Switch Gear                                   | Wastewater Treatment Facilities Project | 2021                              | 1                                       | No               | Yes                  |

| Name of Community              | Name of Project   | Type of Project                         | Anticipated date of construction* | Total estimated project cost - millions | Currently on PPL | Intend to put on PPL |
|--------------------------------|---|---|-----------------------------------|---|------------------|----------------------|
| Austin                         | Excess Flow Pond Decommissioning                              | Wastewater Treatment Facilities Project | 2018                              | 0                                       | No               | No                   |
| Austin                         | Jetter Transfer Facility                                      | Wastewater Treatment Facilities Project | 2021                              | 0                                       | No               | No                   |
| Austin                         | Hope Street Alkalinity  | Wastewater Treatment Facilities Project | 2021                              | 1                                       | No               | No                   |
| Austin                         | Force main replacement - Hope Street                          | Sewer System Project                    | 2021                              | 0.75                                    | No               | No                   |
| Austin                         | Bridge Street Lift Station                                    | Sewer System Project                    | 2018                              | 0.25                                    | No               | No                   |
| Austin                         | Unnamed   | Sewer System Project                    | 2020                              | 0.3                                     | No               | No                   |
| Austin                         | Crane Force Main  | Sewer System Project                    | 2019                              | 0.1                                     | No               | No                   |
| Austin                         | Unnamed   | Sewer System Project                    | 2018                              | 0.3                                     | No               | No                   |
| Austin                         | Unnamed   | Sewer System Project                    | 2018                              | 2                                       | No               | No                   |
| Austin                         | Unnamed   | Sewer System Project                    | 2018                              | 1.5                                     | Yes              | Yes                  |
| Austin                         | Nitrification Building Expansion                              | Wastewater Treatment Facilities Project | 2019                              | 5                                       | No               | Yes                  |
| Austin                         | Sludge Storage Building Expansion                             | Wastewater Treatment Facilities Project | 2020                              | 3                                       | No               | Yes                  |
| Austin                         | Phosphorus reduction  | Wastewater Treatment Facilities Project | 2021                              | 15                                      | No               | Yes                  |
| Austin                         | Sanitary Sewer I & I  | Wastewater Treatment Facilities Project | 2018                              | 0.1                                     | No               | No                   |
| Austin                         | Standby Power   | Wastewater Treatment Facilities Project | 2021                              | 1                                       | No               | Yes                  |
| Austin - Turtle Creek 2        | Unsewered, connect to Austin                                  | Sewer System Project                    | 2018                              | 1.93                                    | Yes              |                      |
| Babbitt                        | Wastewater Treatment Facility Improvements                    | Wastewater Treatment Facilities Project | 2020                              | 7                                       | Yes              | Yes                  |
| Bagley                         | Wastewater Utility Improvements                               | Sewer System Project                    | 2019                              | 4                                       | Yes              |                      |
| Barnesville                    | Rehab collection  | Sewer System Project                    | 2018                              | 2.21                                    | Yes              |                      |
| Baudette                       | Sewer System Rehab  | Sewer System Project                    |                                   | 4                                       |                  |                      |
| Baxter                         | Ashley-Baywood  | Sewer System Project                    | 2022                              | 1                                       | No               | No                   |
| Baxter                         |   | Sewer System Project                    | 2022                              | 0                                       | No               | No                   |
| Baxter                         | Clearwater Road   | Sewer System Project                    | 2021                              | 1                                       | No               | No                   |
| Baxter                         |   | Sewer System Project                    | 2020                              | 1                                       | No               | No                   |
| Baxter                         |   | Sewer System Project                    | 2022                              | 0                                       | No               | No                   |
| Baxter                         |   | Sewer System Project                    | 2020                              | 0.24                                    | No               | No                   |
| Baxter                         |   | Sewer System Project                    | 2020                              | 0                                       | No               | No                   |
| Baxter                         |   | Sewer System Project                    | 2019                              | 2.1                                     | No               | No                   |
| Baxter                         |   | Sewer System Project                    | 2022                              | 0                                       | No               | No                   |
| Baxter                         |   | Sewer System Project                    | 2022                              | 0.73                                    | No               | No                   |
| Bayport                        | 2016 Manhole Rehabilitation                                   | Sewer System Project                    | 2016                              | 0                                       |                  | Yes                  |
| Bayport                        | 2014 Manhole Rehabilitation                                   | Sewer System Project                    | 2016                              | 0                                       |                  | Yes                  |
| Bayport                        | Sanitary Sewer Manhole Rehab                                  | Sewer System Project                    | 2016                              | 0                                       |                  | Yes                  |
| Belle Plaine                   | Annual Infrastructure Rehabilitation                          | Sewer System Project                    | 2020                              | 1                                       | No               | Yes                  |
| Belle Plaine                   | South Ravine Interceptor Sewer                                | Sewer System Project                    | 2022                              | 2                                       | No               | Yes                  |
| Belle Plaine                   | Wastewater Treatment Plant Expansion                          | Wastewater Treatment Facilities Project | 2022                              | 10                                      | No               | Yes                  |
| Bemidji                        | Unnamed   | Wastewater Treatment Facilities Project | 2024                              | 0.75                                    | No               | No                   |
| Bemidji                        | Unnamed   | Wastewater Treatment Facilities Project | 2019                              | 1.2                                     | No               | No                   |
| Bemidji                        | Unnamed   | Wastewater Treatment Facilities Project | 2022                              | 1.2                                     | No               | No                   |
| Benson                         | I & I Benson Minnesota  | Sewer System Project                    | 2020                              | 0                                       | No               | No                   |
| Benson                         | Rehab treatment   | Wastewater Treatment Facilities Project | 2018                              | 3.2                                     | Yes              |                      |
| Bethel                         | Phase III Wastewater Expansion                                | Sewer System Project                    | 2018                              | 2                                       | No               | Yes                  |
| Bethel                         | Treatment Plant Expansion                                     | Wastewater Treatment Facilities Project | 2018                              | 2                                       | No               | Yes                  |
| Big Falls                      | Phase II - Sanitary Sewer Reconstruction                      | Sewer System Project                    | 2020                              | 1                                       | No               | Yes                  |
| Big Lake                       | TH25 & CR14 Utility Extension                                 | Sewer System Project                    | 2023                              | 2                                       | No               | Yes                  |
| Big Lake                       | Wastewater Treatment Improvements                             | Wastewater Treatment Facilities Project | 2018                              | 23                                      | No               | No                   |
| Big Lake Area SD - Fond du Lac | Unsewered, connect to WLSSD                                   | Sewer System Project                    | 2018                              | 13.4                                    | Yes              |                      |
| Bigfork                        | Rajala lift station   | Sewer System Project                    | 2019                              | 0                                       | No               | Yes                  |
| Bigfork                        | Rehab and expand ponds  | Wastewater Treatment Facilities Project | 2018                              | 1.55                                    | Yes              |                      |
| Birchwood                      | Unnamed   | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Birchwood                      | Unnamed   | Sewer System Project                    | 2018                              | 0                                       | No               | Yes                  |
| Biwabik                        | Pond Expansion - 1 Primary, 1 Secondary                       | Wastewater Treatment Facilities Project | 2020                              | 5                                       | No               | No                   |
| Blackduck                      | Rehab. Collection System                                      | Sewer System Project                    | 2016                              | 2.5                                     | Yes              |                      |
| Blaine                         | Sewer Extension Projects Serving New Development              | Sewer System Project                    |                                   | 0                                       | No               | No                   |
| Blooming Prairie               | 2nd & 3rd Street South Sewer Rehabilitation                   | Sewer System Project                    | 2019                              | 3                                       | Yes              | Yes                  |
| Bloomington                    | 2006-501 Bloomington Ave Sanitary Sewer Project               | Sewer System Project                    | 2017                              | 5                                       | No               | No                   |
| Bloomington                    | Lindstrom Ave Lift Station Rehab                              | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| Bloomington                    | W 84th St Sewer Upsizing - Normandale Lakes District - CIP-21 | Sewer System Project                    | 2020                              | 3                                       | No               | No                   |
| Bloomington                    | Sewer Main Asset Renewal/Replacement                          | Sewer System Project                    | 2019                              | 4                                       | No               | No                   |

| Name of Community        | Name of Project                                       | Type of Project                         | Anticipated date of construction* | Total estimated project cost - millions | Currently on PPL | Intend to put on PPL |
|--------------------------|---|---|-----------------------------------|---|------------------|----------------------|
| Bloomington              | Comprehensive Sewer Plan - Future CIP Items           | Sewer System Project                    | 2022                              | 10                                      | No               | No                   |
| Blue Earth               | Wastewater Rebuild 2017                               | Wastewater Treatment Facilities Project | 2017                              | 7                                       | Yes              | Yes                  |
| Blue Earth               | Unnamed   | Sewer System Project                    | 2021                              | 2                                       | No               | Yes                  |
| Blue Earth               | Street Improvement Plan                               | Sewer System Project                    | 2019                              | 4                                       | No               | No                   |
| Blue Earth               | Sailor Street Reconstructon                           | Sewer System Project                    | 2016                              | 4                                       | No               | No                   |
| Blue Earth               | WWTF Rehabilitation                                   | Wastewater Treatment Facilities Project | 2017                              | 5.6                                     | Yes              | Yes                  |
| Borup                    | Borup   | Sewer System Project                    | 2018                              | 2                                       | Yes              | Yes                  |
| Borup                    | Borup   | Wastewater Treatment Facilities Project | 2018                              | 2                                       | Yes              |                      |
| Bovey                    | 2017 Capital Improvement Project                      | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Bovey                    | Rehab collection                                      | Sewer System Project                    | 2018                              | 0.045                                   | Yes              |                      |
| Breckenridge             | Sanitary Sewer Rehabilitation                         | Sewer System Project                    | 2020                              | 4                                       | No               | Yes                  |
| Breckenridge             | Phosphorus Reduction                                  | Wastewater Treatment Facilities Project | 2020                              | 4                                       | No               | Yes                  |
| Bricelyn                 | Video System of Sanitary Lines                        | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| Brooklyn Center          | 51st Avenue (at Brooklyn Blvd)                        | Sewer System Project                    | 2018                              | 0.132                                   | No               | No                   |
| Brooklyn Center          | Emergency Generator Replacement for lift Station No 2 | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Brooklyn Center          | Unnamed   | Sewer System Project                    | 2018                              | 3.3                                     | No               | No                   |
| Brooklyn Center          | Unnamed   | Sewer System Project                    | 2020                              | 2.976                                   | No               | No                   |
| Brooklyn Center          | Unnamed   | Sewer System Project                    | 2019                              | 0                                       | No               | No                   |
| Brooklyn Center          | Unnamed   | Sewer System Project                    | 2019                              | 2.774                                   | No               | No                   |
| Brooklyn Center          | Lift Staion 9 Force Main Replacement                  | Sewer System Project                    | 2019                              | 0                                       | No               | No                   |
| Brooklyn Park            |   | Sewer System Project                    | 2018                              | 1.7                                     | No               | No                   |
| Brooklyn Park            |   | Sewer System Project                    | 2018                              | 3                                       | No               | No                   |
| Brooklyn Park            |   | Sewer System Project                    | 2019                              | 2                                       | No               | No                   |
| Brooklyn Park            |   | Sewer System Project                    | 2022                              | 6                                       | No               | No                   |
| Brooklyn Park            |   | Sewer System Project                    | 2030                              | 10                                      | No               | No                   |
| Brooklyn Park            |   | Sewer System Project                    | 2025                              | 3                                       | No               | No                   |
| Brooten                  | Industrial Park Sewer Upgrade                         | Sewer System Project                    | 2019                              | 2                                       | Yes              |                      |
| Brooten                  | Unnamed   | Sewer System Project                    | 2019                              | 2.1                                     | Yes              | Yes                  |
| Browerville              | 2020 Improvement Project                              | Sewer System Project                    | 2020                              | 1                                       | No               | Yes                  |
| Browerville              | Sanitary Sewer & Watermain Improvement Project        | Sewer System Project                    | 2018                              | 1.55                                    | Yes              | Yes                  |
| Browerville              | Wastewater Treatment Facility Improvements            | Wastewater Treatment Facilities Project | 2020                              | 3                                       | Yes              | No                   |
| Brownnton                | 2016 Sanitary Sewer USDA-RD Project                   | Sewer System Project                    | 2018                              | 3                                       | Yes              |                      |
| Brownnton                | Phase II Sanitary Sewer USDA-RD Improvements          | Sewer System Project                    | 2021                              | 1                                       |                  | Yes                  |
| Brownnton                | WWTF Phosphorous Reduction Improvements               | Wastewater Treatment Facilities Project | 2020                              | 0                                       |                  | Yes                  |
| Bruno                    | Unsewered, pressure sewer/sand filter                 | Sewer System Project                    | 2018                              | 2.68                                    | Yes              |                      |
| Buffalo                  | RF Upgrades   | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Buffalo                  | LS 1, 2, 3 & 4 and Forcemain Improvements             | Sewer System Project                    | 2021                              | 4                                       | No               | No                   |
| Buffalo                  | Biosolids Maintenance Improvements                    | Wastewater Treatment Facilities Project | 2017                              | 2                                       | No               | No                   |
| Buffalo                  | Capital Improvement Plan (1-5 Years)                  | Sewer System Project                    | 2020                              | 3.3                                     | No               | No                   |
| Buffalo                  | Capital Improvement Plan (6 - 10 year)                | Sewer System Project                    | 2025                              | 4.4                                     | No               | No                   |
| Buffalo                  | Capital Improvement Plan (11-15 year)                 | Sewer System Project                    | 2030                              | 4.4                                     | No               | No                   |
| Buhl                     | Rehab collection                                      | Sewer System Project                    | 2018                              | 0.471                                   | Yes              |                      |
| Burnsville               | Annual Sanitary Mainline Rehab Project                | Sewer System Project                    | 2016                              | 0.165                                   | No               | No                   |
| Burnsville               | Bluebill Bay Lift Station Rehab                       | Sewer System Project                    | 2020                              | 0                                       | No               | No                   |
| Burnsville               | Washburn Sanitary Lift Rehab                          | Sewer System Project                    | 2019                              | 0                                       | No               | No                   |
| Butterfield              | Sewer Rehab/Replacement                               | Sewer System Project                    | 2020                              | 2                                       | No               | Yes                  |
| Byron                    | Sewer Expansion South of TH14                         | Sewer System Project                    | 2019                              | 2                                       | No               | No                   |
| Calumet                  | Sanitary Sewer Reconstruction                         | Sewer System Project                    | 2018                              | 0                                       | Yes              | Yes                  |
| Calumet                  | Sanitary Sewer Reconstruction                         | Sewer System Project                    | 2025                              | 1.83                                    | No               | Yes                  |
| Cambridge                | Expand current system                                 | Sewer System Project                    | 2033                              | 0                                       | No               | No                   |
| Cambridge                | Expand current system                                 | Sewer System Project                    | 2033                              | 0                                       | No               | No                   |
| Cambridge                | Expand current system                                 | Sewer System Project                    | 2023                              | 0                                       | No               | No                   |
| Cambridge                | Expand current system                                 | Sewer System Project                    | 2033                              | 2.521                                   | No               | No                   |
| Cambridge                | Expand current system                                 | Sewer System Project                    | 2033                              | 2.673                                   | No               | No                   |
| Cambridge                | 2020 Street Improvements                              | Sewer System Project                    | 2022                              | 0                                       | No               | No                   |
| Cambridge                | 2022 Street Improvements                              | Sewer System Project                    | 2022                              | 0                                       | No               | No                   |
| Canby                    | Infrastructure Replacement Phase II & III             | Sewer System Project                    | 2018                              | 9                                       | Yes              | Yes                  |
| Capitol Region Watershed | Convert dry to wet pond, iron/sand filter             | Wastewater Treatment Facilities Project | 2018                              | 0.535                                   | Yes              |                      |
| Cascade Twp              | Remove pond, connect to Rochester                     | Wastewater Treatment Facilities Project | 2018                              | 1.82                                    | Yes              |                      |

| Name of Community             | Name of Project   | Type of Project                         | Anticipated date of construction* | Total estimated project cost - millions | Currently on PPL | Intend to put on PPL |
|-------------------------------|---|---|-----------------------------------|---|------------------|----------------------|
| Cass County - Stony Point     | Unsewered, potential SSTS   | Sewer System Project                    | 2018                              | 1.2                                     | Yes              |                      |
| Cass County - Sugar Point     | Unsewered, potential LSTS   | Sewer System Project                    | 2018                              | 2                                       | Yes              |                      |
| Cass Lake                     | Cass Lake Pond Expansion  | Wastewater Treatment Facilities Project | 2018                              | 2                                       | No               | Yes                  |
| Cedar Mills                   |   | Wastewater Treatment Facilities Project |                                   | 0                                       |                  |                      |
| Cedar Mills                   | Rehab treatment, corrective action  | Wastewater Treatment Facilities Project | 2018                              | 0.3                                     | Yes              |                      |
| Center City                   | Relocate sewer utilities  | Sewer System Project                    | 2018                              | 0.13                                    | Yes              |                      |
| Champlin                      | Lift Station #5 Replacement   | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Chanhassen                    | Lower Bluff Creek Trunk Utility Improvements                                | Sewer System Project                    | 2021                              | 11                                      | No               | No                   |
| Chanhassen                    | 2010 MUSA Sanitary Lift Station   | Sewer System Project                    | 2018                              | 1.9                                     | No               | No                   |
| Chanhassen                    | Inflow and Infiltration Abatement   | Sewer System Project                    | 2019                              | 1                                       | No               | No                   |
| Chanhassen                    | Sanitary Lift Station Rehabilitation Program                                | Sewer System Project                    | 2019                              | 0                                       | No               | No                   |
| Chanhassen                    | Sanitary Sewer Replacement  | Sewer System Project                    | 2019                              | 0                                       | No               | No                   |
| Chatfield                     | Industrial Drive Improvement Project  | Sewer System Project                    | 2017                              | 0.225                                   | No               | No                   |
| Chisago Lakes Joint Sewer     | Manhole lining  | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| Chisago Lakes Joint Sewer     | SBR diffuser change out   | Wastewater Treatment Facilities Project | 2017                              | 0                                       | No               | No                   |
| Chisago Lakes Joint Sewer     | SCADA system upgrade  | Wastewater Treatment Facilities Project | 2017                              | 0                                       | No               | No                   |
| Chisholm                      | 11th St NW Infrastructure Replacement Project                               | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| Chisholm                      | Lakeview Addition Infrastructure Replacement Project                        | Sewer System Project                    | 2017                              | 5                                       | Yes              | Yes                  |
| Clarissa                      | Wastewater System Improvements  | Wastewater Treatment Facilities Project | 2025                              | 1                                       | Yes              |                      |
| Clarkfield                    | Cell 1 and 2 Sludge Removal   | Sewer System Project                    | 2020                              | 1                                       | Yes              |                      |
| Clarkfield                    | Sewer Main Replacement/Rehab  | Sewer System Project                    | 2018                              | 0                                       | Yes              |                      |
| Clarkfield                    | Sewer Main Replacement/Rehab  | Sewer System Project                    | 2018                              | 0                                       | Yes              |                      |
| Clarkfield                    | Re-evaluating Project   | Wastewater Treatment Facilities Project | 2025                              | 1                                       | Yes              |                      |
| Clarkfield                    | Re-evaluating Project   | Wastewater Treatment Facilities Project |                                   | 0                                       | Yes              |                      |
| Clarkfield                    | Reline sewer mains and manhole rehabilitation                               | Wastewater Treatment Facilities Project | 2018                              | 1                                       | Yes              |                      |
| Clear Lake/Clearwater         | Rehab treatment   | Wastewater Treatment Facilities Project | 2018                              | 1.45                                    | Yes              |                      |
| Clearbrook                    | Clearbrook Sanitary Sewer Rehabilitation                                    | Sewer System Project                    | 2016                              | 6                                       | Yes              | Yes                  |
| Clearbrook                    | WWTF Piping Improvements  | Wastewater Treatment Facilities Project | 2018                              | 6                                       | Yes              | Yes                  |
| Clearwater River Watershed    | Adv trmt - nitrogen, rehab treatment  | Wastewater Treatment Facilities Project | 2018                              | 1.36                                    | Yes              |                      |
| Climax                        | Sanitary Sewer System Upgrade Phase I                                       | Sewer System Project                    | 2018                              | 1                                       | Yes              | No                   |
| Clinton                       | Clinton Sanitary Sewer Improvements   | Sewer System Project                    | 2018                              | 3                                       | No               | Yes                  |
| Clietherall                   | Unsewered, collection/trmt with ponds                                       | Sewer System Project                    | 2018                              | 1.82                                    | Yes              |                      |
| Cloquet                       | 17th Street Reconstruction  | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Cloquet                       | 20th Street Reconstruction  | Sewer System Project                    | 2021                              | 0                                       | No               | No                   |
| Cloquet                       | West End Arch Street/Park Avenue Reconstruction                             | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Cohasset                      | Collection System Expansion   | Sewer System Project                    | 2018                              | 1.2                                     | No               | Yes                  |
| Cokato                        | slip lining project   | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| Cokato                        | cokato WWTP upgrade   | Wastewater Treatment Facilities Project | 2019                              | 3                                       | Yes              | Yes                  |
| Cokato                        | Expansion of Existing WWTF  | Wastewater Treatment Facilities Project | 2019                              | 3                                       | No               | Yes                  |
| Cokato                        | Expansion of Existing WWTF  | Wastewater Treatment Facilities Project | 2019                              | 3                                       | Yes              | Yes                  |
| Cold Spring                   | Main Street project   | Sewer System Project                    | 2017                              | 2                                       | No               | No                   |
| Cold Spring                   | 1st and 2nd Street North  | Sewer System Project                    | 2017                              | 0                                       |                  |                      |
| Cold Spring                   | 2nd Avenue North  | Sewer System Project                    | 2018                              | 0                                       |                  |                      |
| Cold Spring                   | New Development and Rehabilitation  | Sewer System Project                    |                                   | 5                                       |                  |                      |
| Coleraine                     | Hawkins Ave Street and Utility Reconstruction                               | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Coleraine, Bovey, Taconite    | Taconite sewer forcemain replacement and rerouting                          | Sewer System Project                    | 2018                              | 2                                       | Yes              | Yes                  |
| Coleraine, Bovey, Taconite    | Pretreatment Building upgrade, electrical, air handling, new barscreen with | Wastewater Treatment Facilities Project | 2019                              | 1                                       | Yes              | Yes                  |
| Cologne                       | WWTP Expansion  | Wastewater Treatment Facilities Project | 2020                              | 9.89                                    | Yes              | Yes                  |
| Cologne                       | WWTP Upgrade  | Wastewater Treatment Facilities Project |                                   | 0                                       |                  |                      |
| Columbia Heights              | Silver Lake boat landing pond improvements                                  | Wastewater Treatment Facilities Project | 2018                              | 0.315                                   | Yes              |                      |
| Comfrey                       | Rehab collection  | Sewer System Project                    | 2018                              | 3.44                                    | Yes              |                      |
| Coon Rapids                   | 2017 Sewer Lining Project   | Sewer System Project                    | 2017                              | 1                                       | No               | No                   |
| Cottage Grove                 | fg  | Sewer System Project                    |                                   |   | Yes              | Yes                  |
| Cotton Twp                    | Unsewered, potential SSTS   | Sewer System Project                    | 2018                              | 0.649                                   | Yes              |                      |
| Cottonwood                    | Sanitary Sewer Relining   | Sewer System Project                    | 2020                              | 2                                       | No               | No                   |
| Cottonwood                    | Cottonwood Phase # 2  | Sewer System Project                    | 2022                              | 0                                       | No               | No                   |
| Cottonwood                    | Rehab/expand existing system  | Sewer System Project                    | 2019                              | 1.5                                     | No               | No                   |
| Crane Lake Water and Sanitary | Crane Lake Eastern Service Area   | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Crane Lake Water and Sanitary | Hardberg Road Extension   | Sewer System Project                    | 2015                              | 0                                       | No               | No                   |

| Name of Community | Name of Project  | Type of Project                         | Anticipated date of construction* | Total estimated project cost - millions | Currently on PPL | Intend to put on PPL |
|-------------------|--|---|-----------------------------------|---|------------------|----------------------|
| Cromwell          | TH 210 Utilities   | Sewer System Project                    | 2020                              | 0                                       | No               | Yes                  |
| Cromwell          | Cromwell   | Sewer System Project                    | 2020                              | 1.5                                     | Yes              |                      |
| Cromwell          | Wastewater Treatment Facility Improvements                                 | Wastewater Treatment Facilities Project | 2020                              | 0.25                                    | No               | Yes                  |
| Crookston         | Rehab/expand existing system   | Wastewater Treatment Facilities Project | 2020                              | 1.19                                    | No               | No                   |
| Crosslake         | Crosslake WW 2017 improvment   | Wastewater Treatment Facilities Project | 2017                              | 2                                       | No               | No                   |
| Crystal           | Sanitary main replacement and rehabilitation                               | Sewer System Project                    |                                   | 2                                       | No               | No                   |
| Currie            | Sanitary Sewer Improvement   | Sewer System Project                    | 2016                              | 2.25                                    | Yes              | Yes                  |
| Dalton            | Rehab collection and treatment   | Sewer System Project                    | 2018                              | 2.59                                    | Yes              |                      |
| Darwin            | Upgrade Ponds  | Sewer System Project                    | 2020                              | 1                                       | No               | Yes                  |
| Darwin            | Infiltration Repair  | Wastewater Treatment Facilities Project | 2020                              | 0                                       | No               | Yes                  |
| Darwin            | Rehab collection and treatment   | Sewer System Project                    | 2018                              | 3.33                                    | Yes              |                      |
| Dassel            | Dassel   | Sewer System Project                    | 2025                              | 1                                       | Yes              | Yes                  |
| Dassel            | Sanitary Sewer Trunk Line  | Sewer System Project                    | 2025                              | 5                                       | Yes              | Yes                  |
| Dassel            | Replacement of Spray Irrigation Equipment                                  | Wastewater Treatment Facilities Project | 2025                              | 1                                       | Yes              | Yes                  |
| Dawson            | Rehab collection   | Sewer System Project                    | 2018                              | 5.2                                     | Yes              |                      |
| Deephaven         | 2016 Manhole Rehabilitation Project  | Sewer System Project                    | 2016                              | 0                                       | No               | No                   |
| Deer Creek        | Replace lift station   | Sewer System Project                    | 2018                              | 0.17                                    | Yes              |                      |
| Deer River        | 2018 TH 6 Rehabilitation   | Sewer System Project                    | 2018                              | 0                                       | Yes              |                      |
| Deer River        | 2018 Wastewater Pond Expansion Project                                     | Wastewater Treatment Facilities Project | 2018                              | 2                                       | Yes              |                      |
| Deer River        | WWTF Pond expansion  | Wastewater Treatment Facilities Project | 2018                              | 2                                       | Yes              |                      |
| Deerwood          | Rehab collection, lift station   | Sewer System Project                    | 2018                              | 0.15                                    | Yes              |                      |
| DeGraff           | Unsewered, collection and treatment  | Sewer System Project                    | 2018                              | 4.93                                    | Yes              |                      |
| Dennison          | lift station   | Sewer System Project                    | 2019                              | 0.3                                     | Yes              | Yes                  |
| Dennison          | lift station   | Wastewater Treatment Facilities Project | 2019                              | 0.3                                     | Yes              | Yes                  |
| Dennison          | I & I  | Sewer System Project                    | 2018                              | 0                                       | Yes              | Yes                  |
| Dennison          | Lift Station   | Sewer System Project                    | 2016                              | 0                                       | Yes              | Yes                  |
| Dennison          | Acid Addition to Replace Rip Rap   | Wastewater Treatment Facilities Project | 2015                              | 0                                       | No               | Yes                  |
| Dent              | Sewer Rehab  | Sewer System Project                    | 2019                              | 1                                       | No               | No                   |
| Dent              | Treatment System Expansion   | Wastewater Treatment Facilities Project | 2025                              | 1                                       | No               | No                   |
| Detroit lakes     | Long Lake (2012 Annexation area)   | Sewer System Project                    | 2019                              | 2.2                                     | Yes              | Yes                  |
| Detroit Lakes     | Willow Street, Jackson Avenue to Washington Avenue                         | Sewer System Project                    | 2018                              | 6.256                                   | No               | Yes                  |
| Detroit Lakes     | Waste Water Treatment Facility   | Wastewater Treatment Facilities Project | 2018                              | 36                                      | Yes              | Yes                  |
| Dresbach Twp      | Unsewered, collection and treatment  | Sewer System Project                    | 2018                              | 4                                       | Yes              |                      |
| Dumont            | Wastewater Compliance  | Sewer System Project                    | 2018                              | 1.6                                     | No               | Yes                  |
| Dumont            | Dumont   | Wastewater Treatment Facilities Project | 2018                              | 1.6                                     | No               | Yes                  |
| Dundas            | 2016 Lift Station and Forcemain  | Sewer System Project                    | 2016                              | 1                                       | No               | No                   |
| Eagan             | Country Hollow Sanitary LS Rehab   | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| Eagan             | Ashberry Sanitary LS Rehab   | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Eagan             | Sewer lining for root and I&I control                                      | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| Eagan             | 2018 Sewer lining for root and I&I control                                 | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Eagle Bend        | Main Street Improvement Project  | Sewer System Project                    | 2017                              | 1                                       | Yes              | Yes                  |
| Eagle Bend        | Main Street Improvement  | Wastewater Treatment Facilities Project | 2016                              | 1                                       | Yes              | Yes                  |
| East Grand Forks  | Decommission ponds, Ph 2   | Wastewater Treatment Facilities Project | 2018                              | 5.13                                    | Yes              |                      |
| East Gull Lake    | Consolidate treatment  | Wastewater Treatment Facilities Project | 2018                              | 3.2                                     | Yes              |                      |
| Easton            | Easton   | Sewer System Project                    |                                   | 1                                       |                  |                      |
| Echo              | Rehab collection   | Sewer System Project                    | 2018                              | 2.78                                    | Yes              |                      |
| Eden Prairie      | Sewer Main - CSAH 61 (Charlson Rd to Carver County)                        | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| Eden Prairie      | Sewer Main - Eden Prairie Road Connection to Flying Cloud Drive            | Sewer System Project                    | 2018                              | 1                                       | No               | No                   |
| Eden Prairie      | Sewer Main - Flying Cloud Drive (Shady Oak Rd to Washington Ave)           | Sewer System Project                    | 2024                              | 0                                       | No               | No                   |
| Eden Prairie      | Sewer Main - Willow Creek Road   | Sewer System Project                    | 2019                              | 1                                       | No               | No                   |
| Eden Prairie      | Sewer Main - North-South Road in Town Center (Singletree to SWLRT Station) | Sewer System Project                    | 2025                              | 0                                       | No               | No                   |
| Eden Prairie      | SWLRT Project Improvements (PE-8121)                                       | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Eden Prairie      | Curbside I & I Drain Tile Project 2017                                     | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Eden Prairie      | Curbside I & I Drain Tile Project 2018                                     | Sewer System Project                    | 2019                              | 0                                       |                  |                      |
| Eden Prairie      | Curbside I & I Drain Tile Project 2019                                     | Sewer System Project                    | 2020                              | 0                                       | No               | No                   |
| Eden Prairie      | Curbside I & I Drain Tile Project 2020                                     | Sewer System Project                    | 2021                              | 0                                       | No               | No                   |
| Eden Prairie      | Cyclic Lift Station Rehab (Annual) #4-2018                                 | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Eden Prairie      | Cyclic Lift Station Rehab (Annual) #5-2019                                 | Sewer System Project                    | 2019                              | 0                                       | No               | No                   |
| Eden Prairie      | Cyclic Lift Station Rehab (Annual) #6-2020                                 | Sewer System Project                    | 2020                              | 0                                       | No               | No                   |

| Name of Community | Name of Project   | Type of Project                         | Anticipated date of construction* | Total estimated project cost - millions | Currently on PPL | Intend to put on PPL |
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| Eden Prairie      | Cyclic Lift Station Rehab (Annual) #7-2021                              | Sewer System Project                    | 2021                              | 0                                       | No               | No                   |
| Eden Prairie      | Medcom Boulevard to Franlo Road Sewer                                   | Sewer System Project                    | 2027                              | 0                                       | No               | No                   |
| Eden Valley       | 2018 Street & Utility Improvement Project                               | Sewer System Project                    | 2018                              | 1                                       | Yes              | Yes                  |
| Edina             | W. 62nd Street Reconstruction   | Sewer System Project                    | 2018                              | 0                                       | Yes              | Yes                  |
| Edina             | Normandale Park D Street Reconstruction                                 | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Edina             | Birchcrest A/Countryside B Street Reconstruction                        | Sewer System Project                    | 2017                              | 1                                       | No               | No                   |
| Edina             | Chowen Park A Street Reconstruction                                     | Sewer System Project                    | 2019                              | 0                                       | No               | No                   |
| Edina             | Chowen Park B Street Reconstruction                                     | Sewer System Project                    | 2019                              | 0                                       | No               | No                   |
| Edina             | Sanitary Trunk Expansion  | Sewer System Project                    | 2017                              | 1                                       | No               | No                   |
| Edina             | Minnehaha Trunk Sewer Rehab   | Sewer System Project                    | 2018                              | 1                                       | No               | No                   |
| Elbow Lake        | Division St. West   | Wastewater Treatment Facilities Project | 2017                              | 2                                       | Yes              |                      |
| Elko New Market   | Adelmann Property   | Sewer System Project                    | 2021                              | 4                                       | No               | No                   |
| Elko New Market   | Southeast Quadrant  | Sewer System Project                    | 2022                              | 1                                       | No               | Yes                  |
| Elko New Market   | Natchez Trunk Sewer Extensions  | Sewer System Project                    | 2018                              | 1.3                                     | No               | Yes                  |
| Elko New Market   | Southwest Quadrant  | Sewer System Project                    | 2020                              | 1                                       | No               | No                   |
| Ellendale         | Rehab treatment   | Wastewater Treatment Facilities Project | 2018                              | 0.96                                    | Yes              |                      |
| Elmore            | TH 169 I/I  | Sewer System Project                    | 2020                              | 1                                       | No               | Yes                  |
| Ely               | WWTF - Process Improvement and Mercury Reduction                        | Wastewater Treatment Facilities Project | 2019                              | 3                                       | No               | Yes                  |
| Ely               | Ely   | Sewer System Project                    | 2017                              | 5.84                                    | Yes              | Yes                  |
| Emily             | Unsewered, sewer extension  | Sewer System Project                    | 2018                              | 1.98                                    | Yes              |                      |
| Erskine           | Erskine   | Sewer System Project                    |                                   | 0                                       |                  |                      |
| Erskine           | Erskine   | Wastewater Treatment Facilities Project |                                   | 0                                       |                  |                      |
| Eveleth           | 2013-2022 Sanitary Sewer Replacement Projects (some in conjunction with | Sewer System Project                    | 2021                              | 0                                       | Yes              | Yes                  |
| Eveleth           | West Eveleth Transfer Station Renovation                                | Sewer System Project                    | 2020                              | 1                                       | No               | No                   |
| Fairfax           | 2017 Street project   | Sewer System Project                    | 2017                              | 1                                       | No               | No                   |
| Fairfax           | 2017 street project   | Wastewater Treatment Facilities Project | 2017                              | 1                                       | No               | No                   |
| Fairmont          | Annual Capital Improvement Program                                      | Sewer System Project                    | 2018                              | 1                                       | No               | No                   |
| Falcon Heights    | Sanitary Sewer Lining 2021-24   | Sewer System Project                    | 2022                              | 1                                       | No               | No                   |
| Faribault         | Street Reconstruction   | Sewer System Project                    | 2019                              | 1                                       | No               | No                   |
| Faribault         | SWR-17 Sanitary Sewer Structure Rehabilitation                          | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| Faribault         | SWR 17A- Viaduct Lift Station-Flood Protection                          | Sewer System Project                    | 2017                              | 0                                       | No               | Yes                  |
| Faribault         | SWR-17B East Side Interceptor Relocation                                | Sewer System Project                    | 2017                              | 1                                       | No               | Yes                  |
| Faribault         | SWR-18A Interceptor #2 Replacement/Upgrade                              | Sewer System Project                    | 2018                              | 1                                       | No               | No                   |
| Faribault         | SWR-18B Legacy/Orchard View Area Sewer Extension                        | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Faribault         | SWR 17 Cannon River Lift Station Replacement                            | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| Faribault         | SWR-20 1st Ave NW/ 30th ST NW Extension                                 | Sewer System Project                    | 2020                              | 0                                       | No               | No                   |
| Faribault         | SWR-21 TH3 (20th ST NW) Trunk Sewer Replacement                         | Sewer System Project                    | 2021                              | 1                                       | No               | No                   |
| Faribault         | Sanitary Sewer Structure Rehabilitation                                 | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Federal Dam       | Rehab collection  | Sewer System Project                    | 2018                              | 1.18                                    | Yes              |                      |
| Felton            | Sanitary Sewer Repair   | Sewer System Project                    | 2025                              | 1                                       | No               | No                   |
| Fergus Falls      | Junius Avenue Reconstruction Project from Cascade Street to Sheridan    | Sewer System Project                    | 2017                              | 1                                       | No               | No                   |
| Fergus Falls      | Capital Improvement Plan  | Sewer System Project                    | 2018                              | 7                                       |                  |                      |
| Fertile           | Dale Subdivision  | Sewer System Project                    | 2020                              | 0.1                                     | No               | No                   |
| Floodwood         | Floodwood   | Sewer System Project                    |                                   | 0                                       |                  |                      |
| Foley             | Parent Addition Imp Expansion   | Wastewater Treatment Facilities Project | 2021                              | 18                                      | No               | Yes                  |
| Forest Lake       | Lift Station Improvements   | Sewer System Project                    | 2017                              | 4                                       | No               | No                   |
| Fountain          | Adv trmt - nitrogen, corrective action                                  | Wastewater Treatment Facilities Project | 2018                              | 0.556                                   | Yes              |                      |
| Franklin          | 2020 Infrastructure Improvements  | Sewer System Project                    | 2020                              | 0                                       | No               | No                   |
| Frazee            | Rehab collection  | Sewer System Project                    | 2018                              | 0.455                                   | Yes              |                      |
| Freeport          | Rehab collection  | Sewer System Project                    | 2018                              | 1.4                                     | Yes              |                      |
| Fridley           | Sanitary Sewer Collection Lining  | Sewer System Project                    | 2017                              | 1                                       | No               | No                   |
| Fridley           | Sanitary Sewer Collection System Recostruction                          | Sewer System Project                    | 2019                              | 0                                       | No               | No                   |
| Fridley           | Sanitary Sewer Lift Station Rehab-Embers Lift                           | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Fridley           | Sanitary Sewer Collection Lining  | Sewer System Project                    | 2019                              | 1                                       | No               | No                   |
| Fridley           | Sanitary Sewer Collection Lining  | Sewer System Project                    | 2021                              | 1                                       | No               | No                   |
| Ghent             | WWTP Pond Lining and Expansion  | Sewer System Project                    | 2020                              | 0                                       | No               | Yes                  |
| Ghent             | Sanitary Sewer Replacement  | Wastewater Treatment Facilities Project | 2020                              | 1.5                                     | No               | Yes                  |
| Gilbert           | Broadway sanitary sewer project.  | Sewer System Project                    |                                   |   |                  |                      |
| Gilbert           | City Wide Sanitary Sewer Improvements                                   | Sewer System Project                    | 2017                              | 8.5                                     | Yes              | Yes                  |

| Name of Community         | Name of Project  | Type of Project                         | Anticipated date of construction* | Total estimated project cost - millions | Currently on PPL | Intend to put on PPL |
|---------------------------|--|---|-----------------------------------|---|------------------|----------------------|
| Gilbert                   | Wastewater Facility Improvements                                     | Wastewater Treatment Facilities Project | 2018                              | 3                                       | No               | Yes                  |
| Glencoe                   | Central Corridor Storm Water Project                                 | Sewer System Project                    | 2018                              | 5                                       | No               | No                   |
| Glencoe                   | WWTP Improvements  | Wastewater Treatment Facilities Project | 2019                              | 20                                      | Yes              | Yes                  |
| Glenville                 | 2nd Street SW  | Sewer System Project                    | 2014                              | 0                                       | No               | No                   |
| Glenwood                  | 2015 Sanitary Sewer Improvements                                     | Sewer System Project                    | 2018                              | 0                                       | Yes              | Yes                  |
| Glyndon                   | Rehab collection   | Sewer System Project                    | 2018                              | 0.363                                   | Yes              |                      |
| Golden Valley             | 394  | Sewer System Project                    | 2017                              | 0                                       | No               | Yes                  |
| Golden Valley             | 394  | Sewer System Project                    | 2016                              | 2                                       | No               | No                   |
| Goodhue                   | Swanson Height 2nd Addition  | Sewer System Project                    | 2017                              | 1                                       | No               | No                   |
| Goodview                  | Sundown sewer ext.   | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| Goodview                  | Wenonah Road, Kowalewski/Anderson                                    | Sewer System Project                    | 2020                              | 6                                       | No               | No                   |
| Grand Marais              | Rehab collection   | Sewer System Project                    | 2018                              | 0.645                                   | Yes              |                      |
| Grand Meadow              | no project name given  | Wastewater Treatment Facilities Project | 2019                              | 0                                       | No               | Yes                  |
| Grand Rapids              | Grand Rapids   | Wastewater Treatment Facilities Project | 2017                              | 5.9                                     | No               | No                   |
| Granite Falls             | Granite Falls 2017 Utility Improvements (I&I Removal)                | Sewer System Project                    | 2017                              | 1                                       | No               | No                   |
| Granite Falls 2           | Rehab/expand treatment system  | Wastewater Treatment Facilities Project | 2018                              | 5.39                                    | Yes              |                      |
| Grasston                  | Grasston   | Sewer System Project                    |                                   | 1                                       | No               | Yes                  |
| Grasston                  | Treatment Facility Improvements                                      | Sewer System Project                    | 2014                              | 2                                       |                  |                      |
| Grasston                  | Treatment Facility Improvements                                      | Wastewater Treatment Facilities Project |                                   | 1                                       |                  |                      |
| Green Lake Sanitary Sewer | Wastewater Collection System Projects and Lift Stations (5 year CIP) | Sewer System Project                    | 2022                              | 6                                       | No               | Yes                  |
| Green Lake Sanitary Sewer | Wastewater Treatment Facility Projects (5 year CIP)                  | Wastewater Treatment Facilities Project | 2022                              | 3                                       | No               | Yes                  |
| Greenbush                 | Rehab collection   | Sewer System Project                    | 2018                              | 0.283                                   | Yes              |                      |
| Greenwood                 | 2016 Sanitary Sewer Improvements                                     | Sewer System Project                    | 2106                              | 0                                       | No               | No                   |
| Grey Eagle                | Sewer Rehab Project  | Sewer System Project                    | 2018                              | 4                                       | Yes              | Yes                  |
| Grey Eagle                | SCADA  | Sewer System Project                    | 2018                              | 3.6                                     | Yes              | Yes                  |
| Grove City                | Rehab collection and treatment                                       | Sewer System Project                    | 2018                              | 9.91                                    | Yes              |                      |
| Halstad                   | WWTP Rehab/Reconstruct   | Wastewater Treatment Facilities Project | 2022                              | 2.1                                     | No               | Yes                  |
| Ham Lake                  | Unsewered, potential SSTS  | Sewer System Project                    | 2018                              | 2                                       | Yes              |                      |
| Hamburg                   | Regionalize with Norwood-Young America & Service area Expansion      | Sewer System Project                    | 2025                              | 3                                       | Yes              | Yes                  |
| Hanover                   | Trunk Sanitary Sewer and Watermain analysis 3-2007                   | Sewer System Project                    |                                   | 10                                      | No               | No                   |
| Hartland                  | Rehab existing system  | Sewer System Project                    | 2018                              | 0.339                                   | Yes              |                      |
| Hastings                  | Veterans Home Sanitary Sewer Rehabilitation                          | Sewer System Project                    | 2016                              | 1                                       | No               | No                   |
| Hastings                  | 2017 Neighborhood Infrastructure Improvements                        | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| Hastings                  | 2018 Neighborhood Infrastructure Improvements                        | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Hawley                    | Hawley   | Sewer System Project                    | 2020                              | 4.5                                     | Yes              | Yes                  |
| Hendricks                 | Lincoln Street Utility Project                                       | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| Henning                   | Henning  | Sewer System Project                    | 2022                              | 3                                       | No               | Yes                  |
| Henning                   | Replace & Repair Sewer Lines to Eliminate Infiltration/Inflow        | Sewer System Project                    | 2022                              | 0                                       | No               | No                   |
| Hibbing                   | 2017 Sanitary Sewer Lining Project                                   | Sewer System Project                    | 2017                              | 1                                       | No               | No                   |
| Hill City                 | 2018 Park Ave Rehabilitation Project                                 | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Hitterdal                 | Sewer extension and rehab  | Sewer System Project                    |                                   | 0                                       |                  |                      |
| Hitterdal                 | Rehab Ponds  | Wastewater Treatment Facilities Project |                                   | 0                                       |                  |                      |
| Hitterdal                 | Rehab/expand ponds, extend sewer                                     | Wastewater Treatment Facilities Project | 2018                              | 0.825                                   | Yes              |                      |
| Hoffman                   | Rehab collection   | Sewer System Project                    | 2018                              | 0.874                                   | Yes              |                      |
| Hopkins                   | Residential Street Improvements and Utilities                        | Sewer System Project                    | 2018                              | 3                                       | No               | No                   |
| Hopkins                   | Blake Road Corridor Improvements                                     | Sewer System Project                    | 2018                              | 1                                       | No               | No                   |
| Hopkins                   | Light Rail Transit Stations  | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Houston                   | WWTF Improvements  | Wastewater Treatment Facilities Project | 2018                              | 0                                       | No               | Yes                  |
| Howard Lake               | Rehab collection, Ph 2   | Sewer System Project                    | 2018                              | 7.63                                    | Yes              |                      |
| Hoyt Lakes                | Mercury reduction  | Wastewater Treatment Facilities Project | 2018                              | 7                                       | No               | Yes                  |
| Hutchinson                | Preliminary treatment rehabilitation                                 | Sewer System Project                    | 2018                              | 0                                       | No               | Yes                  |
| Hutchinson                | WWTF SCADA upgrade   | Sewer System Project                    | 2019                              | 0                                       | No               | No                   |
| Hutchinson                | Aero 2 bridges for oxidation ditches                                 | Sewer System Project                    | 2020                              | 0                                       | No               | No                   |
| Hutchinson                | Biosolids handling   | Sewer System Project                    | 2021                              | 1                                       | No               | Yes                  |
| Ihlen                     | Individual & Main Lift Station Rehabilitation                        | Sewer System Project                    | 2025                              | 0                                       | No               | No                   |
| Ihlen                     | Expand Mound System  | Wastewater Treatment Facilities Project | 2020                              | 0                                       | No               | No                   |
| Inver Grove Heights       | Root removal   | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| Isanti                    | 2015 Wastewater Improvement Project                                  | Wastewater Treatment Facilities Project | 2016                              | 3                                       | No               | No                   |
| Isle                      | Rehab collection, lift stations                                      | Sewer System Project                    | 2018                              | 2.53                                    | Yes              |                      |

| Name of Community           | Name of Project   | Type of Project                         | Anticipated date of construction* | Total estimated project cost - millions | Currently on PPL | Intend to put on PPL |
|-----------------------------|---|---|-----------------------------------|---|------------------|----------------------|
| Ivanhoe                     | Pond Dredging   | Wastewater Treatment Facilities Project | 2021                              | 0                                       | No               |                      |
| Ivanhoe                     | Pond Rehabilitation (Primary Pond)                                    | Wastewater Treatment Facilities Project |                                   | 0                                       | No               |                      |
| Jackson                     | Sanitary Sewer Extension Project                                      | Wastewater Treatment Facilities Project | 2016                              | 2                                       | Yes              |                      |
| Jordan                      | WWTF Preatreatment and Biosolids Upgrades                             | Wastewater Treatment Facilities Project | 2021                              | 7                                       | No               | Yes                  |
| Kandiyohi                   | South Side Infrastructure Replacement Project                         | Sewer System Project                    | 2020                              | 3.9                                     | No               | Yes                  |
| Kandiyohi                   | SW Sewer Line Replacement   | Sewer System Project                    | 2020                              | 3.8                                     | No               | Yes                  |
| Kasson                      | South Manorville Ave.   | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| Kasson                      | WWTF Improvements Phase 2   | Wastewater Treatment Facilities Project | 2015                              | 2                                       | No               | No                   |
| Keewatin                    | Sewer Update  | Sewer System Project                    |                                   | 0                                       | Yes              | Yes                  |
| Keewatin                    | Keewatin - Valve Replacement  | Wastewater Treatment Facilities Project | 2019                              | 5.5                                     | Yes              |                      |
| Keewatin                    | Replace Primary Clarifier Drive                                       | Wastewater Treatment Facilities Project | 2016                              | 3                                       | Yes              | Yes                  |
| Keewatin                    | RBC Cover Replacement   | Wastewater Treatment Facilities Project | 2018                              | 5.5                                     | Yes              | Yes                  |
| Keewatin                    | Wastewater Treatment Plant Improvements                               | Wastewater Treatment Facilities Project | 2017                              | 6                                       | Yes              | Yes                  |
| Kelliher                    | 2017 Sewer Restoration  | Sewer System Project                    | 2017                              | 2                                       | Yes              | Yes                  |
| Kennedy                     | Rehab collection  | Sewer System Project                    | 2018                              | 1.99                                    | Yes              |                      |
| Kerkhoven                   | GrantAveKerkhoven2017   | Sewer System Project                    | 2017                              | 0.16                                    | Yes              | Yes                  |
| Kerkhoven                   | GrantAveKerkhoven2017   | Wastewater Treatment Facilities Project | 2017                              | 0.16                                    | Yes              | Yes                  |
| Koochiching County - Island | Unsewered, connect to NKSSD   | Sewer System Project                    | 2018                              | 15                                      | Yes              |                      |
| La Crescent                 | Rehab/expand existing system  | Sewer System Project                    | 2018                              | 0.796                                   | Yes              |                      |
| Lafayette                   | WWTP: Cover for Final Clarifier                                       | Wastewater Treatment Facilities Project |                                   | 0                                       | No               | No                   |
| Lake Benton                 | Fremont Street Improvement  | Sewer System Project                    | 2021                              | 1.074                                   | No               | Yes                  |
| Lake Benton                 | Lake Benton Ponds Rehabilitation                                      | Wastewater Treatment Facilities Project | 2021                              | 1.67                                    | No               | Yes                  |
| Lake County - Larsmont      | Unsewered, connect to WLSSD   | Sewer System Project                    | 2018                              | 0.975                                   | Yes              |                      |
| Lake Crystal                | Lake Crystal Southwest Utility Improvement Project                    | Sewer System Project                    | 2019                              | 5                                       | No               | Yes                  |
| Lake Crystal                | Humphrey Street Lift Station - Lake                                   | Sewer System Project                    | 2017                              | 0                                       | No               | Yes                  |
| Lake Crystal                | Yearly sewer main and lift station improvements                       | Sewer System Project                    | 2019                              | 1.5                                     | No               | Yes                  |
| Lake Elmo                   | Old Village Phase III & IV  | Sewer System Project                    | 2017                              | 5                                       | No               | No                   |
| Lake Henry                  | I & I Correction  | Sewer System Project                    | 2018                              | 0                                       | Yes              | No                   |
| Lake Park                   | Wastewater Collection System Rehab                                    | Sewer System Project                    | 2019                              | 2                                       | Yes              | Yes                  |
| Lake View Twp - W. Lake     | Unsewered, potential SSTS   | Sewer System Project                    | 2018                              | 0.75                                    | Yes              |                      |
| Lakefield                   | City of Lakefield - Sanitary Sewer Improvements                       | Sewer System Project                    | 2019                              | 6                                       |                  | Yes                  |
| Lakefield                   | 2016 Street and Utility Replacement                                   | Sewer System Project                    | 2016                              | 2                                       |                  | Yes                  |
| Lakefield                   | Collection System Improvements  | Sewer System Project                    | 2019                              | 6.6                                     | Yes              | Yes                  |
| Lakefield                   | Wastewater Stabilization Pond Constructon & Salty Discharge Treatment | Wastewater Treatment Facilities Project | 2019                              | 10                                      | Yes              | Yes                  |
| Lakefield                   | Wastewater Treatment Plant Modifications                              | Wastewater Treatment Facilities Project | 2019                              | 10                                      | Yes              | Yes                  |
| Laketown Twp                | Rehab collection  | Sewer System Project                    | 2018                              | 0.37                                    | Yes              |                      |
| Lakeville                   | 2021 Sanitary Sewer Rehabilitation                                    | Sewer System Project                    | 2021                              | 0                                       | No               | No                   |
| Lakeville                   | 2020 Inflow/Infiltration Mitigation                                   | Sewer System Project                    | 2020                              | 0                                       | No               | No                   |
| Lakeville                   | 2021 Inflow/Infiltration Mitigation                                   | Sewer System Project                    | 2021                              | 0                                       | No               | No                   |
| Lakeville                   | Lift Station 11 Rehabilitation  | Sewer System Project                    | 2026                              | 0                                       | No               | No                   |
| Lakeville                   | Lift Station 12 Rehabilitation  | Sewer System Project                    | 2027                              | 0                                       | No               | No                   |
| Lakeville                   | Lift Station 13 Rehabilitation  | Sewer System Project                    | 2027                              | 0                                       | No               | No                   |
| Lakeville                   | Lift Station 23 Rehab   | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Lakeville                   | 2020 Sanitary Sewer Rehabilitation                                    | Sewer System Project                    | 2020                              | 0                                       | No               | No                   |
| Lakeville                   | 2020 Sanitary Sewer Trunk Extensions                                  | Sewer System Project                    | 2020                              | 0                                       | No               | No                   |
| Lakeville                   | 2017 Inflow/Infiltration Mitigation                                   | Sewer System Project                    | 2018                              | 0.225                                   | No               | No                   |
| Lakeville                   | 2017 Sanitary Sewer Rehabilitation                                    | Sewer System Project                    | 2018                              | 0.25                                    | No               | No                   |
| Lakeville                   | 2017 Sanitary Sewer Trunk Extensions                                  | Sewer System Project                    | 2018                              | 0.257                                   | No               | No                   |
| Lakeville                   | 2018 Inflow/Infiltration Mitigation                                   | Sewer System Project                    | 2019                              | 0                                       | No               | No                   |
| Lakeville                   | 2018 Sanitary Sewer Rehabilitation                                    | Sewer System Project                    | 2019                              | 0.25                                    | No               | No                   |
| Lakeville                   | 2018 Sanitary Sewer Trunk Extensions                                  | Sewer System Project                    | 2019                              | 0.26                                    | No               | No                   |
| Lakeville                   |   | Sewer System Project                    | 2025                              | 0.05                                    | No               | No                   |
| Lakeville                   |   | Sewer System Project                    | 2025                              | 0.15                                    | No               | No                   |
| Lakeville                   |   | Sewer System Project                    | 2019                              | 0.015                                   | No               | No                   |
| Lakeville                   |   | Sewer System Project                    | 2020                              | 0.2                                     | No               | No                   |
| Lakeville                   |   | Sewer System Project                    | 2018                              | 0.035                                   | No               | No                   |
| Lakeville                   |   | Sewer System Project                    | 2026                              | 0.035                                   | No               | No                   |
| Lakeville                   |   | Sewer System Project                    | 2024                              | 0.035                                   | No               | No                   |
| Lakeville                   |   | Sewer System Project                    | 2024                              | 0.035                                   | No               | No                   |

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| Lakeville                        |   | Sewer System Project                    | 2026                              | 0.015                                   | No               | No                   |
| Lakeville                        |   | Sewer System Project                    | 2018                              | 0.035                                   | No               | No                   |
| Lakeville                        |   | Sewer System Project                    | 2018                              | 0.015                                   | No               | No                   |
| Lake-Woods Co - Wheeler          | Unsewered, collection and treatment                       | Sewer System Project                    | 2018                              | 9.21                                    | Yes              |                      |
| Lamberton                        | 1021 Infrastructure Improvements                          | Sewer System Project                    | 2018                              | 2.692                                   | Yes              | Yes                  |
| Laporte                          | Laporte   | Sewer System Project                    |                                   | 0                                       |                  |                      |
| Laporte                          | Laporte - Unsewered                                       | Sewer System Project                    |                                   | 0                                       |                  |                      |
| Laporte                          | Laporte   | Wastewater Treatment Facilities Project |                                   | 0                                       |                  |                      |
| Le Center                        | Rehab collection  | Sewer System Project                    | 2018                              | 7.54                                    | Yes              |                      |
| Le Roy                           | Rehabilitation of sewer (E. Sargent St)                   | Sewer System Project                    | 2018                              | 0.4                                     | No               | No                   |
| Le Roy                           | Rehabilitation of stations                                | Sewer System Project                    | 2019                              | 0.4                                     | No               | No                   |
| Le Roy                           | Rehabilitation of sewer (E. Co. Rd & Read St)             | Sewer System Project                    | 2019                              | 0.4                                     | No               | No                   |
| Le Sueur                         | 2nd street reconstruction                                 | Sewer System Project                    | 2017                              | 1                                       | No               | No                   |
| Le Sueur County - West Jefferson | Unsewered, connect to Cleveland                           | Sewer System Project                    | 2018                              | 4.47                                    | Yes              |                      |
| Lester Prairie                   | Sewer Main CIPP   | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Lester Prairie                   | Service Area Expansion                                    | Sewer System Project                    | 2019                              | 1                                       | No               | Yes                  |
| Lester Prairie                   | WWTF Improvements (phosphorus)                            | Wastewater Treatment Facilities Project | 2020                              | 5                                       | No               | Yes                  |
| Lester Prairie                   | WWTF Improvements (chlorides)                             | Wastewater Treatment Facilities Project | 2019                              | 0                                       | No               | Yes                  |
| Lilydale                         | Lift Station Rehabilitation and Sewer Repair              | Sewer System Project                    | 2030                              | 0.5                                     | No               | No                   |
| Lindstrom                        | Rehab collection  | Sewer System Project                    | 2018                              | 0.065                                   | Yes              |                      |
| Lindstrom - Mentzer / Mendota    | Unsewered, connect to CLJSD                               | Sewer System Project                    | 2018                              | 0.34                                    | Yes              |                      |
| Litchfield                       | North Swift Avenue Improvements                           | Sewer System Project                    | 2018                              | 2                                       | No               | No                   |
| Litchfield                       | TH 12/22 Improvements                                     | Sewer System Project                    | 2019                              | 1                                       | No               | No                   |
| Litchfield                       | North Ramsey Street Improvements                          | Sewer System Project                    | 2018                              | 1.875                                   | No               | No                   |
| Little Falls                     | 2017 Street Improvements                                  | Sewer System Project                    | 2017                              | 1                                       | No               | No                   |
| Little Falls                     | Adv trmt - phos, rehab treatment                          | Wastewater Treatment Facilities Project | 2018                              | 17.2                                    | Yes              |                      |
| Littlefork                       | water and sanitary sewer improvements                     | Sewer System Project                    | 2017                              | 1                                       | No               | No                   |
| Littlefork                       | Stabilization Ponds                                       | Wastewater Treatment Facilities Project | 2025                              | 0.125                                   | No               | No                   |
| Lone Pine Township - Swaen       | Unsewered, connect to Nashwauk                            | Sewer System Project                    | 2018                              | 14.1                                    | Yes              |                      |
| Long Lake                        | Sanitary Sewer Lining Project and Leaking Service Repairs | Sewer System Project                    | 2019                              | 0                                       | No               | No                   |
| Long Prairie                     | Long Prairie WWTP Expansion Project 2017                  | Wastewater Treatment Facilities Project | 2017                              | 1                                       | Yes              |                      |
| Long Prairie                     | Long Prairie  | Wastewater Treatment Facilities Project |                                   | 5                                       | Yes              |                      |
| Longville                        | Rehab collection  | Sewer System Project                    | 2018                              | 0.708                                   | Yes              |                      |
| Lonsdale                         | Pondview Dr. SE Street Extension                          | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| Lonsdale                         | Area 5 Phase 1  | Sewer System Project                    | 2015                              | 0                                       | No               | No                   |
| Lonsdale                         | Area 5 Phase 2  | Sewer System Project                    | 2016                              | 0                                       | No               | No                   |
| Lonsdale                         | Area 5 Phase 3  | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| Lonsdale                         | L. S. 1 Gravity Replacement                               | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Lonsdale                         | Sanitary Sewer Lining                                     | Sewer System Project                    | 2019                              | 0                                       | No               | No                   |
| Lonsdale                         | Sludge drying Facilities                                  | Wastewater Treatment Facilities Project | 2019                              | 3                                       | No               | No                   |
| Lonsdale                         | Expansion of Lonsdale WWTP#2                              | Wastewater Treatment Facilities Project | 2021                              | 7                                       | No               | Yes                  |
| Loretto                          | Loretto - Regionalize with MCEs                           | Sewer System Project                    | 2019                              | 0.83                                    | Yes              | Yes                  |
| Lucan                            | Rehab/expand existing ponds                               | Wastewater Treatment Facilities Project | 2018                              | 1.65                                    | Yes              |                      |
| Luverne                          | 90 Acre Industrial Park                                   | Sewer System Project                    |                                   | 0                                       | No               | No                   |
| Luverne                          | Phosphorus removal  | Wastewater Treatment Facilities Project |                                   | 0                                       | No               | No                   |
| Luverne                          | Second Oxidation Ditch                                    | Wastewater Treatment Facilities Project |                                   | 2                                       | No               | No                   |
| Mabel                            | Sanitary Sewer Rehabilitation 2017                        | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| Mabel                            | mabelwwtp@mabeltel.coop                                   | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| Mahnomen                         | 1st Street (Washington to Roosevelt)                      | Sewer System Project                    | 2018                              | 1.6                                     | Yes              | Yes                  |
| Mahnomen                         | Rehab collection and treatment                            | Sewer System Project                    | 2018                              | 3.82                                    | Yes              |                      |
| Mahtomedi                        | 2018 Sanitary Sewer Maintenance Project                   | Sewer System Project                    | 2028                              | 0                                       | No               | No                   |
| Mahtomedi                        | 2020 Sanitary Sewer Maintenance Project                   | Sewer System Project                    | 2020                              | 0                                       | No               | No                   |
| Mahtomedi                        |   | Sewer System Project                    | 2018                              | 0.86                                    | No               | No                   |
| Mahtomedi                        |   | Sewer System Project                    | 2018                              | 0.912                                   | No               | No                   |
| Mahtomedi                        | Long Lake Road/South Lincoln Street and Utility Project   | Sewer System Project                    | 2024                              | 1                                       | No               | No                   |
| Mahtomedi                        | Wedgewood Drive Lift Station Reconstruction               | Sewer System Project                    | 2024                              | 0.35                                    | No               | No                   |
| Mankato                          | Adams Street - Roosevelt Cir to CSAH 12                   | Sewer System Project                    | 2017                              | 6                                       | No               | No                   |
| Mankato                          | Broad Street Warren Street to Main Street                 | Sewer System Project                    | 2022                              | 4                                       | No               | No                   |
| Mankato                          | Poplar Street Riverfront Drive to Sibley Parkway          | Sewer System Project                    | 2018                              | 2                                       | No               | No                   |

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|---------------------------|--|---|-----------------------------------|---|------------------|----------------------|
| Mankato                   | Viking Ravine Sewer Reroute  | Sewer System Project                    | 2019                              | 1                                       | No               | No                   |
| Mankato                   | CSAH 26 Lift Station   | Sewer System Project                    | 2022                              | 2                                       | No               | No                   |
| Mankato                   | Ellis Birchwood  | Sewer System Project                    | 2025                              | 1                                       |                  |                      |
| Mankato                   | Mills-Thompson Ravine  | Sewer System Project                    | 2022                              | 2                                       |                  |                      |
| Mankato                   | Mullberry street lift station-force main                             | Sewer System Project                    | 2022                              | 1                                       | Yes              |                      |
| Mankato                   | Stoltzman Road Sewer   | Sewer System Project                    | 2023                              | 2                                       | No               | No                   |
| Mankato                   | TH 83 Lift Station   | Sewer System Project                    | 2025                              | 3                                       | No               | Yes                  |
| Mankato                   | Viking Ct  | Sewer System Project                    | 2019                              | 3                                       | No               | No                   |
| Mankato                   | Warren Street  | Sewer System Project                    | 2025                              | 3                                       |                  |                      |
| Mankato - S. View Heights | Unsewered, sewer extension   | Sewer System Project                    | 2018                              | 1.4                                     | Yes              |                      |
| Mantorville               | Decommission, connect to Kasson                                      | Sewer System Project                    | 2018                              | 2.34                                    | Yes              |                      |
| Maple Lake                | Maple Lake   | Sewer System Project                    |                                   | 2                                       |                  |                      |
| Maple Plain               | Drake Street - Gladview Lane Reconstruction Project                  | Sewer System Project                    | 2018                              | 1                                       | No               | Yes                  |
| Maple Plain               | Main Street - Maple Avenue Downtown Redevelopment                    | Sewer System Project                    | 2020                              | 0                                       | No               | Yes                  |
| Maple Plain               | Main street and east sewer improvements ( Budd to Pioneer)           | Sewer System Project                    | 2018                              | 1.9                                     | No               | Yes                  |
| Maplewood                 | PROJECTS 13-10-BEEBE ROAD AND 16-12-POND/DORLAND(VARIOUS LININ       | Sewer System Project                    | 2016                              | 1                                       | No               | No                   |
| Marshall                  | Saratoga Street - Hamden to C Street SP41                            | Sewer System Project                    | 2018                              | 0                                       | No               | Yes                  |
| Marshall                  | North 1st Street - Main St. to Marshall St.                          | Sewer System Project                    | 2019                              | 1                                       | No               | No                   |
| Marshall                  | West Lyon/ North 3rd Street SP27                                     | Sewer System Project                    | 2019                              | 1                                       | No               | No                   |
| Marshall                  | Industrial Park Phase 2 SP30   | Sewer System Project                    | 2019                              | 0                                       | No               | No                   |
| Marshall                  | South 4th Street Phase 2 SP35  | Sewer System Project                    | 2020                              | 1                                       | No               | No                   |
| Marshall                  | Saratoga Street - C street to Southview SP45                         | Sewer System Project                    | 2021                              | 0                                       |                  |                      |
| Marshall                  | Kennedy/Central/Washington Sewer Replacement SP44                    | Sewer System Project                    | 2021                              | 0                                       | No               | No                   |
| Marshall                  | Industrial Park Phase 3 SP36   | Sewer System Project                    | 2020                              | 0                                       | No               | No                   |
| Marshall                  | Wastewater Treatment Plant Upgrade 2018                              | Wastewater Treatment Facilities Project | 2018                              | 18                                      | No               | Yes                  |
| Marshall                  | Commerce Park Phase 1  | Sewer System Project                    | 2017                              | 0.34                                    | No               | No                   |
| Marshall                  |  | Sewer System Project                    | 2018                              | 0.33                                    | No               | No                   |
| Marshall                  |  | Sewer System Project                    | 2018                              | 1                                       | No               | No                   |
| Marshall                  |  | Sewer System Project                    | 2019                              | 0.585                                   | No               | No                   |
| Mayer                     | Sludge, Storage and WWPT Expansion                                   | Wastewater Treatment Facilities Project | 2020                              | 1                                       | No               | Yes                  |
| Mazeppa                   | Rehab/expand existing system   | Sewer System Project                    | 2018                              | 0.5                                     | Yes              |                      |
| MCES - Metro Council Env  | Blue Lake System Improvements (MCES Project 8028)                    | Sewer System Project                    | 2019                              | 150                                     | Yes              |                      |
| MCES - Metro Council Env  | Brooklyn Park-Champlin Interceptor Renewal (MCES Project 8093)       | Sewer System Project                    | 2020                              | 79                                      | No               | Yes                  |
| MCES - Metro Council Env  | Brooklyn Park LS/FM Improvements (MCES Project 8079)                 | Sewer System Project                    | 2019                              | 17                                      | No               | No                   |
| MCES - Metro Council Env  | Golden Valley Area Improvement (MCES Project 8057)                   | Sewer System Project                    | 2018                              | 26                                      | Yes              |                      |
| MCES - Metro Council Env  | Hopkins System Improvements (MCES Project 8041)                      | Sewer System Project                    | 2018                              | 26                                      | Yes              |                      |
| MCES - Metro Council Env  | Interceptor Rehabilitation Program (MCES Project 8090)               | Sewer System Project                    | 2019                              | 5                                       | No               | No                   |
| MCES - Metro Council Env  | Lift Station Rehabilitation (MCES Project 8055)                      | Sewer System Project                    | 2021                              | 38                                      | Yes              | No                   |
| MCES - Metro Council Env  | Mpls Interceptor 1-MN-340 Rehabilitation (MCES Project 8092)         | Sewer System Project                    | 2023                              | 75                                      | No               | Yes                  |
| MCES - Metro Council Env  | Meter Improvements (MCES Project 8056)                               | Sewer System Project                    | 2019                              | 18                                      | No               | No                   |
| MCES - Metro Council Env  | North Area Interceptor (NAI) Rehabilitation (MCES Project 8086)      | Sewer System Project                    | 2018                              | 98                                      | No               | No                   |
| MCES - Metro Council Env  | St Paul Interceptor System (SPIS) Rehabilitation (MCES Project 8088) | Sewer System Project                    | 2019                              | 108                                     | Yes              |                      |
| MCES - Metro Council Env  | SWC Interceptor - Lake Elmo Connections (MCES Project 8063)          | Sewer System Project                    | 2018                              | 9                                       | No               | No                   |
| MCES - Metro Council Env  | Waconia LS/FM Rehab (MCES Project 8083)                              | Sewer System Project                    | 2019                              | 12                                      | Yes              |                      |
| MCES - Metro Council Env  | Brooklyn Park L32  | Sewer System Project                    | 2020                              | 38                                      | No               | Yes                  |
| MCES - Metro Council Env  | Coon Rapids-Fridley Area Interceptor Renewal                         | Sewer System Project                    | 2021                              | 26                                      | No               | Yes                  |
| MCES - Metro Council Env  | Coon Rapids L34  | Sewer System Project                    | 2022                              | 16                                      | No               | Yes                  |
| MCES - Metro Council Env  | Loretto/Medina/Maple Plain Interceptor System                        | Sewer System Project                    | 2028                              | 40                                      | No               | Yes                  |
| MCES - Metro Council Env  | Lift Station Renewal Program   | Sewer System Project                    | 2026                              | 170                                     | No               | Yes                  |
| MCES - Metro Council Env  | Gravity Sewer Renewal Program  | Sewer System Project                    | 2026                              | 320                                     | No               | Yes                  |
| MCES - Metro Council Env  | Minnesota River Crossing Renewal                                     | Sewer System Project                    | 2024                              | 20                                      | No               | Yes                  |
| MCES - Metro Council Env  | Minneapolis Odor Control   | Sewer System Project                    | 2020                              | 25                                      | No               | Yes                  |
| MCES - Metro Council Env  | Mississippi River Crossing Renewal                                   | Sewer System Project                    | 2019                              | 20                                      | No               | Yes                  |
| MCES - Metro Council Env  | Metro Rehabilitation & Facilities Improve (MCES Project 8059)        | Wastewater Treatment Facilities Project | 2019                              | 110                                     | Yes              |                      |
| MCES - Metro Council Env  | Metro Solids Improvements (MCES Project 8062)                        | Wastewater Treatment Facilities Project | 2020                              | 153                                     | Yes              |                      |
| MCES - Metro Council Env  | Empire Plant Solids Improvements (MCES Project 8074)                 | Wastewater Treatment Facilities Project | 2018                              | 19                                      | Yes              |                      |
| MCES - Metro Council Env  | Seneca Solids Processing Improvements (MCES Project 8075)            | Wastewater Treatment Facilities Project | 2018                              | 18                                      | Yes              |                      |
| MCES - Metro Council Env  | Regional Plant Improvements (MCES Project 8078)                      | Wastewater Treatment Facilities Project | 2019                              | 19                                      | No               | No                   |
| MCES - Metro Council Env  | MWWTP Asset Renewal (MCES Project 8089)                              | Wastewater Treatment Facilities Project | 2019                              | 125                                     | Yes              |                      |

| Name of Community                  | Name of Project  | Type of Project                         | Anticipated date of construction* | Total estimated project cost - millions | Currently on PPL | Intend to put on PPL |
|------------------------------------|--|---|-----------------------------------|---|------------------|----------------------|
| MCES - Metro Council Env.          | Wastewater Reclamation Facilities (MCES Project 8091)                    | Wastewater Treatment Facilities Project | 2019                              | 6                                       | No               |                      |
| MCES - Metro Council Env.          | Metro Plant Renewal  | Wastewater Treatment Facilities Project | 2027                              | 90                                      | No               | Yes                  |
| MCES - Metro Council Env.          | Regional Plant Renewal   | Wastewater Treatment Facilities Project | 2026                              | 80                                      | No               | Yes                  |
| MCES - Metro Council Env.          | Blue Lake Plant Solids   | Wastewater Treatment Facilities Project | 2028                              | 50                                      | No               | Yes                  |
| MCES - Metro Council Env.          | Hastings WWTP  | Wastewater Treatment Facilities Project | 2024                              | 75                                      | No               | Yes                  |
| MCES - Metro Council Env. Services |  | Sewer System Project                    | 2019                              | 8                                       | No               | No                   |
| MCES - Metro Council Env. Services |  | Sewer System Project                    | 2016                              | 9                                       | No               | No                   |
| MCES - Metro Council Env. Services |  | Sewer System Project                    | 2017                              | 4.8                                     | No               | No                   |
| MCES - Metro Council Env. Services |  | Sewer System Project                    | 2026                              | 141.8                                   | No               | Yes                  |
| MCES - Metro Council Env. Services |  | Sewer System Project                    | 2018                              | 5                                       | No               | No                   |
| MCES - Metro Council Env. Services |  | Sewer System Project                    | 2019                              | 154                                     | Yes              | Yes                  |
| MCES - Metro Council Env. Services |  | Sewer System Project                    | 2028                              | 100                                     | No               | Yes                  |
| MCES - Metro Council Env. Services |  | Sewer System Project                    | 2019                              | 52.2                                    | Yes              |                      |
| MCES - Metro Council Env. Services |  | Sewer System Project                    | 2018                              | 19                                      | Yes              |                      |
| McKinley                           | Cleaning and inspection of sewer distribution system (2nd Ave East 2017) | Wastewater Treatment Facilities Project | 2017                              | 0                                       | No               | No                   |
| Meadowlands                        |  | Sewer System Project                    | 2018                              | 0.13                                    | No               | No                   |
| Medina                             | Capital Improvement Projects for 2017                                    | Sewer System Project                    | 2017                              | 0                                       | No               | Yes                  |
| Menahga                            | Rehab collection   | Sewer System Project                    | 2018                              | 1.18                                    | Yes              |                      |
| Mendota Heights                    | Mendota Heights Pond & Northland Drive Lift Station Rehab                | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| Mendota Heights                    | Ridge Place Sanitary Sewer Rehabilitation                                | Sewer System Project                    | 2019                              | 0                                       | No               | No                   |
| Minneapolis                        | Combined Sewer Overflow Improvements                                     | Sewer System Project                    | 2020                              | 7.5                                     | No               | No                   |
| Minneapolis                        | Infiltration and inflow program  | Sewer System Project                    | 2020                              | 17.5                                    | No               | No                   |
| Minneapolis                        | Sanitary Tunnel and Sewer Rehabilitation Program                         | Sewer System Project                    | 2020                              | 38                                      | No               | No                   |
| Minnetonka                         | Infiltration and Inflow Reduction Program                                | Sewer System Project                    | 2012                              | 1.2                                     |                  |                      |
| Minnetrista                        | Rehab collection, CIPP   | Sewer System Project                    | 2018                              | 0.711                                   | Yes              |                      |
| Montevideo                         | Rehab treatment - blower replacement                                     | Wastewater Treatment Facilities Project | 2018                              | 0.6                                     | Yes              |                      |
| Monticello                         | 12 inch Featherstone Trunk Sanitary Sewer                                | Sewer System Project                    | 2020                              | 0.55                                    | No               | No                   |
| Monticello                         | 12 inch Southeast interceptor-east phase 2                               | Sewer System Project                    | 2026                              | 0.63                                    | No               | No                   |
| Monticello                         | 18 inch 85th st. ne sanitary trunk sewer                                 | Sewer System Project                    | 2026                              | 0.4                                     | No               | No                   |
| Monticello                         | 18 inch northwest trunk sanitary sewer phase 2                           | Sewer System Project                    | 2026                              | 0.41                                    | No               | No                   |
| Monticello                         | 18 inch southeast interceptor-east phase I                               | Sewer System Project                    | 2026                              | 0.56                                    | No               | No                   |
| Monticello                         | 12 inch Southeast interceptor-east phase 2                               | Sewer System Project                    | 2026                              | 0.6                                     | No               | No                   |
| Monticello                         | 36 inch southeast interceptor phase 3                                    | Sewer System Project                    | 2026                              | 0.002                                   | No               | No                   |
| Monticello                         | In Signia Lift Station and Forcemain                                     | Sewer System Project                    | 2026                              | 0.4                                     | No               | No                   |
| Monticello                         | Long Lake Lift Station and Forcemain                                     | Sewer System Project                    | 2026                              | 0.465                                   | No               | No                   |
| Monticello                         | Marvin Road Lift Station Pump Replacement                                | Sewer System Project                    | 2020                              | 0.33                                    | No               | No                   |
| Monticello                         | Otter Creek Force main Extension to SE I                                 | Sewer System Project                    | 2026                              | 1.8                                     | No               | No                   |
| Monticello                         | Replace interceptor from hart blvd. to WWTP                              | Sewer System Project                    | 2026                              | 0.4                                     | No               | No                   |
| Monticello                         | Replace SCADA System   | Sewer System Project                    | 2018                              | 0.7                                     | No               | Yes                  |
| Monticello                         | Southeast area lift station and forcemain                                | Sewer System Project                    | 2026                              | 0.425                                   | No               | No                   |
| Monticello                         | Southeast Interceptor (Reservoir Lift Station to South City Limits)      | Sewer System Project                    | 2026                              | 2.5                                     | No               | No                   |
| Monticello                         | Add 4th sbr tank   | Wastewater Treatment Facilities Project | 2026                              | 2.04                                    | No               | No                   |
| Monticello                         | Add sbr tanks 5 and 6  | Wastewater Treatment Facilities Project | 2026                              | 6                                       | No               | No                   |
| Monticello                         | Biosolids Processing Improvements  | Wastewater Treatment Facilities Project | 2019                              | 1.365                                   | No               | Yes                  |
| Monticello                         | New Raw Sewage Pumping and Headworks                                     | Wastewater Treatment Facilities Project | 2020                              | 5.07                                    | No               | Yes                  |
| Montrose                           | 1st St N and 2nd St S Reconstruct  | Sewer System Project                    | 2021                              | 0.25                                    | No               | No                   |
| Montrose                           | TH 25 Improvements   | Sewer System Project                    | 2021                              | 0.9                                     | No               | No                   |
| Montrose                           | Wastewater Treatment Facility Improvements                               | Wastewater Treatment Facilities Project | 2023                              | 7                                       | No               | Yes                  |
| Moorhead                           | Sanitary Lift Station Rehab & Expansion: #14                             | Sewer System Project                    | 2019                              | 2                                       | No               | No                   |
| Moorhead                           | Sanitary Lift Station Rehab & Expansion: #15                             | Sewer System Project                    | 2026                              | 0                                       | No               | No                   |
| Moorhead                           | Sanitary Lift Station Rehab & Expansion: #13                             | Sewer System Project                    | 2028                              | 0                                       | No               | No                   |
| Moorhead                           | Plant Primary Electrical   | Wastewater Treatment Facilities Project | 2018                              | 0                                       | No               | No                   |
| Moorhead                           | Equipment Storage Building   | Wastewater Treatment Facilities Project | 2019                              | 1                                       | No               | No                   |
| Moorhead                           | WWTP: Bar Screen Improvement   | Wastewater Treatment Facilities Project | 2020                              | 1                                       | No               | Yes                  |
| Moorhead                           |  | Sewer System Project                    | 2018                              | 0.631                                   | No               | No                   |
| Moorhead                           |  | Sewer System Project                    | 2018                              | 0.7                                     | No               | No                   |
| Moorhead                           |  | Sewer System Project                    | 2020                              | 0.261                                   | No               | No                   |
| Moorhead                           |  | Sewer System Project                    | 2020                              | 0.377                                   | No               | No                   |
| Moorhead                           |  | Sewer System Project                    | 2021                              | 0.307                                   | No               | No                   |

| Name of Community    | Name of Project                            | Type of Project                         | Anticipated date of construction* | Total estimated project cost - millions | Currently on PPL | Intend to put on PPL |
|----------------------|--|---|-----------------------------------|---|------------------|----------------------|
| Moorhead             |  | Sewer System Project                    | 2021                              | 0.192                                   | No               | No                   |
| Moorhead             |  | Sewer System Project                    | 2022                              | 0.34                                    | No               | No                   |
| Moorhead             |  | Sewer System Project                    | 2022                              | 0.415                                   | No               | No                   |
| Moorhead             |  | Sewer System Project                    | 2023                              | 0.436                                   | No               | No                   |
| Moorhead             |  | Sewer System Project                    | 2023                              | 0.376                                   | No               | No                   |
| Moorhead             |  | Sewer System Project                    | 2023                              | 0.157                                   | No               | No                   |
| Moorhead             |  | Sewer System Project                    | 2024                              | 0.365                                   | No               | No                   |
| Moorhead             |  | Sewer System Project                    | 2024                              | 0.466                                   | No               | No                   |
| Moorhead             |  | Sewer System Project                    | 2025                              | 0.22                                    | No               | No                   |
| Moorhead             |  | Sewer System Project                    | 2025                              | 0.471                                   | No               | No                   |
| Moorhead             |  | Sewer System Project                    | 2026                              | 0.142                                   | No               | No                   |
| Moorhead             |  | Sewer System Project                    | 2026                              | 0.283                                   | No               | No                   |
| Moorhead             |  | Sewer System Project                    | 2027                              | 0.774                                   | No               | No                   |
| Moorhead             |  | Sewer System Project                    | 2027                              | 0.36                                    | No               | No                   |
| Moorhead             |  | Sewer System Project                    | 2028                              | 0.618                                   | No               | No                   |
| Moorhead             |  | Wastewater Treatment Facilities Project | 2016                              | 0.53                                    | No               | Yes                  |
| Moorhead             |  | Wastewater Treatment Facilities Project | 2020                              | 0.16                                    | No               | Yes                  |
| Moorhead             |  | Wastewater Treatment Facilities Project | 2020                              | 0.7                                     | No               | Yes                  |
| Moorhead             |  | Wastewater Treatment Facilities Project | 2020                              | 0.13                                    | No               | Yes                  |
| Moorhead             |  | Wastewater Treatment Facilities Project | 2020                              | 0.56                                    | No               | Yes                  |
| Moorhead             |  | Wastewater Treatment Facilities Project | 2020                              | 0.6                                     | No               | Yes                  |
| Moorhead             |  | Wastewater Treatment Facilities Project | 2020                              | 0.37                                    | No               | Yes                  |
| Moorhead             |  | Wastewater Treatment Facilities Project | 2020                              | 0.39                                    | No               | Yes                  |
| Moorhead             |  | Wastewater Treatment Facilities Project | 2020                              | 0.04                                    | No               | Yes                  |
| Moorhead             |  | Wastewater Treatment Facilities Project | 2020                              | 0.08                                    | No               | Yes                  |
| Moorhead             |  | Wastewater Treatment Facilities Project | 2020                              | 0.19                                    | No               | Yes                  |
| Moorhead             |  | Wastewater Treatment Facilities Project | 2021                              | 0.32                                    | No               | Yes                  |
| Moorhead             |  | Wastewater Treatment Facilities Project | 2021                              | 1.67                                    | No               | Yes                  |
| Moorhead             |  | Wastewater Treatment Facilities Project | 2021                              | 0.66                                    | No               | Yes                  |
| Moorhead             |  | Wastewater Treatment Facilities Project | 2021                              | 0.3                                     | No               | Yes                  |
| Moorhead             |  | Wastewater Treatment Facilities Project | 2021                              | 0.25                                    | No               | Yes                  |
| Moorhead             |  | Wastewater Treatment Facilities Project | 2021                              | 1.06                                    | No               | Yes                  |
| Moorhead             |  | Wastewater Treatment Facilities Project | 2021                              | 0.57                                    | No               | Yes                  |
| Moorhead             |  | Wastewater Treatment Facilities Project | 2021                              | 0.28                                    | No               | Yes                  |
| Moorhead             |  | Wastewater Treatment Facilities Project | 2021                              | 0.08                                    | No               | Yes                  |
| Moorhead             |  | Wastewater Treatment Facilities Project | 2021                              | 0.18                                    | No               | Yes                  |
| Moorhead             |  | Wastewater Treatment Facilities Project | 2021                              | 0.7                                     | No               | Yes                  |
| Moorhead             |  | Wastewater Treatment Facilities Project | 2026                              | 0.66                                    | No               | Yes                  |
| Moorhead             |  | Wastewater Treatment Facilities Project | 2026                              | 0.99                                    | No               | Yes                  |
| Moorhead             |  | Wastewater Treatment Facilities Project | 2026                              | 0.31                                    | No               | Yes                  |
| Moorhead             |  | Wastewater Treatment Facilities Project | 2026                              | 0.07                                    | No               | Yes                  |
| Moorhead             |  | Wastewater Treatment Facilities Project | 2026                              | 1.76                                    | No               | Yes                  |
| Moorhead             |  | Wastewater Treatment Facilities Project | 2026                              | 0.07                                    | No               | Yes                  |
| Moorhead             |  | Wastewater Treatment Facilities Project | 2026                              | 0.022                                   | No               | Yes                  |
| Moorhead             |  | Wastewater Treatment Facilities Project | 2026                              | 0.07                                    | No               | Yes                  |
| Moorhead             |  | Wastewater Treatment Facilities Project | 2026                              | 0.42                                    | No               | No                   |
| Moorhead             |  | Wastewater Treatment Facilities Project | 2026                              | 1.26                                    | No               | Yes                  |
| Moose Lake Windemere | Konieska Road                              | Sewer System Project                    | 2019                              | 0                                       | No               | Yes                  |
| Moose Lake Windemere | Ridgewood Estates/Highway 10 Corridor      | Sewer System Project                    | 2020                              | 0                                       | No               | Yes                  |
| Morgan               | Rehab collection and treatment             | Sewer System Project                    | 2018                              | 13.6                                    | Yes              |                      |
| Morris               | Brook area                                 | Sewer System Project                    | 2017                              | 2                                       | No               | No                   |
| Morris               | Brook area                                 | Sewer System Project                    | 2017                              | 2                                       | No               | No                   |
| Mound                | 2017 Manhole and Sewer Main Rehabilitation | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| Mounds View          | 2018 - WW Collection System Rehabilitation | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Mounds View          | 2020 - WW Collection System Rehabilitation | Sewer System Project                    | 2020                              | 0                                       | No               | No                   |
| Mounds View          | 2021 - WW Collection System Rehabilitation | Sewer System Project                    | 2021                              | 0                                       | No               | No                   |
| Mounds View          | 2022 - WW Collection System Rehabilitation | Sewer System Project                    | 2022                              | 0                                       | No               | No                   |
| Mounds View          | Collection System Rehabilitation           | Sewer System Project                    | 2019                              | 0.15                                    | No               | No                   |
| Mountain Lake        | Mountain Lake                              | Wastewater Treatment Facilities Project | 2025                              | 11                                      | Yes              |                      |

| Name of Community           | Name of Project  | Type of Project                         | Anticipated date of construction* | Total estimated project cost - millions | Currently on PPL | Intend to put on PPL |
|-----------------------------|--|---|-----------------------------------|---|------------------|----------------------|
| Murdock                     | Wastewater Treatment Facility Improvements                               | Wastewater Treatment Facilities Project |                                   | 0                                       | No               |                      |
| Nashwauk                    | Expand existing system   | Sewer System Project                    | 2018                              | 2.76                                    | Yes              |                      |
| Nashwauk - Phase 2          | Rehab collection   | Sewer System Project                    | 2018                              | 1.24                                    | Yes              |                      |
| New Brighton                | LS #7 Pumps and Controls Replacement                                     | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| New Brighton                | Sewer Rehab 2022   | Sewer System Project                    | 2024                              | 1                                       | No               | No                   |
| New London                  | Rehab collection   | Sewer System Project                    | 2018                              | 0.45                                    | Yes              |                      |
| New York Mills              | Centennial Drive CSAH 84   | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| New York Mills              | Alley Between Walker and Hayes Avenues                                   | Sewer System Project                    | 2018                              | 1                                       | No               | Yes                  |
| New York Mills              | East Centennial Utility Easement, Shell Lift and Karvonen Lift           | Sewer System Project                    | 2018                              | 2                                       | No               | Yes                  |
| Newport                     | 11th st/5th Ave  | Sewer System Project                    | 2017                              | 1                                       | No               | No                   |
| Nielsville                  | Force Main Replacement   | Wastewater Treatment Facilities Project | 2028                              | 0                                       | No               | No                   |
| Nisswa                      | Upgrade of Main Three Lift Station                                       | Sewer System Project                    | 2019                              | 0.35                                    | No               | Yes                  |
| Nisswa                      | WWTF Expansion and Subsurface Disposal                                   | Wastewater Treatment Facilities Project | 2018                              | 3.2                                     | No               | Yes                  |
| North Branch                | North Branch Sewer Rehab   | Sewer System Project                    | 2022                              | 4                                       | No               | No                   |
| North Branch                | Wastewater Treatment Plant Phase II                                      | Wastewater Treatment Facilities Project | 2020                              | 3                                       | No               | Yes                  |
| North Mankato               | Carol Court-Marvin Boulevard   | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| North St Paul               | 2017 streeet project   | Sewer System Project                    |                                   | 0                                       | No               | No                   |
| Northern Twp - Birchmont    | Unsewered, potential SSTS  | Sewer System Project                    | 2018                              | 0.925                                   | Yes              |                      |
| Northfield                  | Collection improvements  | Sewer System Project                    |                                   | 1                                       | No               | No                   |
| Northfield                  | Biosolids, SCADA, Lift Pumps   | Wastewater Treatment Facilities Project |                                   | 6                                       | Yes              | Yes                  |
| Northfield                  | Heath Creek Interceptor  | Sewer System Project                    |                                   | 2.357                                   | No               | No                   |
| Northfield                  | Woody Street Reconstruction (Division to Prairie)                        | Sewer System Project                    | 2022                              | 0                                       | No               | No                   |
| Northome                    | Northome waste water collection system                                   | Sewer System Project                    | 2019                              | 4                                       | Yes              | Yes                  |
| Northome                    | Northome wwtf  | Wastewater Treatment Facilities Project | 2019                              | 1                                       | Yes              | Yes                  |
| Northome                    | Northome   | Sewer System Project                    | 2019                              | 4                                       | Yes              | Yes                  |
| Northome                    | Rehab Collection   | Sewer System Project                    |                                   | 4                                       | Yes              | Yes                  |
| Northome                    | Rehab Treatment  | Wastewater Treatment Facilities Project | 2019                              | 0                                       | Yes              | Yes                  |
| Northome                    | Northome   | Wastewater Treatment Facilities Project | 2019                              | 4                                       |                  | Yes                  |
| Norwood Young America       | Oak Lane   | Sewer System Project                    | 2019                              | 0                                       | No               | No                   |
| Norwood Young America       | 2nd Avenue SE  | Sewer System Project                    | 2022                              | 1                                       | No               | No                   |
| Norwood Young America       | 2nd Avenue lift station  | Sewer System Project                    | 2022                              | 0                                       | No               | No                   |
| Norwood Young America       | Manhole Rehabilitations  | Sewer System Project                    | 2024                              | 0                                       | No               | No                   |
| Norwood Young America       | Sanitary Sewer CIPP - Laterals   | Sewer System Project                    | 2024                              | 0                                       | No               | No                   |
| Norwood Young America       | Sanitary Sewer CIPP - Mainlines  | Sewer System Project                    | 2024                              | 0                                       | No               | No                   |
| Norwood Young America       | South Street Sanitary Sewer Improvements                                 | Sewer System Project                    | 2020                              | 0                                       | No               | Yes                  |
| Norwood Young America       | Tacoma Avenue Sewer  | Sewer System Project                    | 2019                              | 0                                       | No               | No                   |
| Norwood Young America       | WWTF Improvements - Phosphorus   | Wastewater Treatment Facilities Project | 2019                              | 2                                       | No               | Yes                  |
| Norwood Young America       | WWTF Improvements Miscellaneous  | Wastewater Treatment Facilities Project | 2030                              | 5                                       | No               | Yes                  |
| Oakdale                     | Relocation/Rehabilitation of Ideal Ave. and Stillwater Blvd Lift Station | Sewer System Project                    | 2020                              | 0                                       | No               | No                   |
| Ogilvie                     | Phosphorus Removal Upgrade   | Wastewater Treatment Facilities Project | 2019                              | 1.5                                     | No               | Yes                  |
| Onamia                      | Sanitary Sewer System Rehab  | Sewer System Project                    | 2019                              | 1                                       | No               | Yes                  |
| Oronoco - Area B            | Unsewered, connect to WWTP   | Sewer System Project                    | 2018                              | 6.87                                    | Yes              |                      |
| Oronoco - Area C            | Unsewered, connect to WWTP   | Sewer System Project                    | 2018                              | 2.57                                    | Yes              |                      |
| Oronoco - Area F            | Unsewered, connect to WWTP   | Sewer System Project                    | 2018                              | 3.31                                    | Yes              |                      |
| Ortonville                  | reconstruction of pacific, wood, minnesota st                            | Wastewater Treatment Facilities Project | 2017                              | 0                                       | No               | No                   |
| Ortonville                  | Rehab collection   | Sewer System Project                    | 2018                              | 0.895                                   | Yes              |                      |
| Ortonville - McCloud Street | Rehab collection   | Sewer System Project                    | 2018                              | 0.367                                   | Yes              |                      |
| Osakis                      | City of Osakis   | Sewer System Project                    | 2019                              | 0                                       | Yes              | No                   |
| Osakis                      | Rehab collection   | Sewer System Project                    | 2018                              | 0.725                                   | Yes              |                      |
| Oslo                        | Wastewater Collection System Improvements                                | Sewer System Project                    | 2023                              | 4                                       | No               | Yes                  |
| Oslo                        | Wastewater Treatment System Rehabilitation                               | Wastewater Treatment Facilities Project | 2023                              | 4                                       | No               | Yes                  |
| Ostrander                   | Collection System Rehabilitation   | Sewer System Project                    | 2015                              | 9.7                                     | Yes              |                      |
| Ottertail                   | Unsewered, potential SSTS  | Sewer System Project                    | 2018                              | 3.76                                    | Yes              |                      |
| Owatonna                    | East Sanitary Sewer Trunk Line   | Sewer System Project                    | 2030                              | 2                                       | No               | No                   |
| Owatonna                    | Northeast Sanitary Sewer Trunk Line                                      | Sewer System Project                    | 2025                              | 10                                      | No               | No                   |
| Owatonna                    | Northwest Sanitary Sewer Trunk Line                                      | Sewer System Project                    | 2020                              | 12                                      | No               | No                   |
| Owatonna                    | Southeast Sanitary Sewer Trunk Line                                      | Sewer System Project                    | 2025                              | 6                                       | No               | No                   |
| Owatonna                    | Trunk Line System Rehabilitation   | Sewer System Project                    | 2020                              | 5                                       | No               | No                   |
| Owatonna                    | Wastewater Treatment Facility Expansion and Upgrade                      | Wastewater Treatment Facilities Project | 2020                              | 10                                      | No               | No                   |

| Name of Community          | Name of Project  | Type of Project                         | Anticipated date of construction* | Total estimated project cost - millions | Currently on PPL | Intend to put on PPL |
|----------------------------|--|---|-----------------------------------|---|------------------|----------------------|
| Palisade                   | Rehab collection, expand treatment   | Sewer System Project                    | 2018                              | 0.83                                    | Yes              |                      |
| Park Rapids                | Street and Utility Improvements  | Sewer System Project                    | 2018                              | 1.5                                     | No               | No                   |
| Paynesville                | 2019 sewer Rehab   | Sewer System Project                    | 2019                              | 3                                       | No               | No                   |
| Pelican Group of Lakes Inc | Unsewered, collection and treatment  | Sewer System Project                    | 2018                              | 16.9                                    | Yes              |                      |
| Pelican Rapids             | Pelican Rapids   | Sewer System Project                    | 2018                              | 5.8                                     | Yes              |                      |
| Pelican Rapids             | Sewer Rehab  | Sewer System Project                    | 2017                              | 3                                       |                  | Yes                  |
| Pequot Lakes               | Rehab treatment  | Wastewater Treatment Facilities Project | 2018                              | 1.85                                    | Yes              |                      |
| Perham                     | 5th Street NW - Utility Improvements                                       | Sewer System Project                    | 2024                              | 0                                       | No               | No                   |
| Perham                     | N.E. Industrial Park Utility and Street Improvements                       | Sewer System Project                    | 2019                              | 1                                       | No               | No                   |
| Perham                     | Second Avenue SW Street and Utility Improvements                           | Sewer System Project                    | 2018                              | 1.25                                    | Yes              |                      |
| Pine City                  | Upgrade Main Lift Station  | Sewer System Project                    | 2018                              | 5                                       |                  |                      |
| Pine City                  | Upgrade Existing WWTF  | Wastewater Treatment Facilities Project | 2020                              | 15                                      |                  |                      |
| Pine Island                | CSAH 27 / 5th Street SW  | Sewer System Project                    | 2017                              | 2                                       | No               | No                   |
| Pine Island                | I&I Correction on Intercept Line   | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| Pipestone                  | 2nd and 3rd Ave SW Improvements - Phase 8                                  | Sewer System Project                    | 2020                              | 2                                       | No               | Yes                  |
| Pipestone                  | 2nd Ave NE Area Improvements   | Sewer System Project                    | 2022                              | 2                                       | No               | Yes                  |
| Pipestone                  | 5th and 6th St SW Improvements   | Sewer System Project                    | 2026                              | 2                                       | No               | Yes                  |
| Pipestone                  | East Highway 30 Sanitary Sewer Improvement & Extension                     | Sewer System Project                    | 2019                              | 3                                       | No               | Yes                  |
| Pipestone                  | East Main Street Improvement - Phase 9                                     | Sewer System Project                    | 2020                              | 3                                       | No               | Yes                  |
| Pipestone                  | West Main Street Improvements  | Sewer System Project                    | 2024                              | 2                                       | No               | Yes                  |
| Plainview                  | Sanitary Sewer to Serve SE   | Sewer System Project                    | 2018                              | 2                                       | No               | Yes                  |
| Pope County - Clearwater   | Unsewered, potential SSTS  | Sewer System Project                    | 2018                              | 0.732                                   | Yes              |                      |
| Princeton                  | NW trunk sewer extension Phase 3   | Sewer System Project                    | 2019                              | 1                                       | No               | No                   |
| Princeton                  | NW trunk sewer extension Phase 4   | Sewer System Project                    | 2019                              | 1.1                                     | No               | No                   |
| Princeton                  | NW trunk sewer extension phase 5   | Sewer System Project                    | 2021                              | 1                                       | No               | No                   |
| Princeton                  | NW Trunk Sewer extension Phase 6   | Sewer System Project                    | 2025                              | 0.75                                    | No               | No                   |
| Prior Lake                 | Sanitary Sewer Slip Lining   | Sewer System Project                    |                                   | 0                                       |                  |                      |
| Proctor                    | Rehab collection   | Sewer System Project                    | 2018                              | 1.25                                    | Yes              |                      |
| Racine                     | Rehab/expand existing system   | Sewer System Project                    | 2018                              | 0.52                                    | Yes              |                      |
| Randolph                   | Unsewered, potential SSTS  | Sewer System Project                    | 2018                              | 3.7                                     | Yes              |                      |
| Red Lake Falls             | SW Corner Utility improvement project                                      | Sewer System Project                    | 2018                              | 5                                       | Yes              | Yes                  |
| Red Lake Falls             | 3rd Street   | Sewer System Project                    | 2019                              | 1                                       | Yes              | Yes                  |
| Red Wing                   | CIPP sewer system repair   | Sewer System Project                    | 2027                              | 2.5                                     | No               | No                   |
| Red Wing                   | ITP final sludge pumping building  | Wastewater Treatment Facilities Project | 2019                              | 0                                       | No               | No                   |
| Redwood Falls              | Gould Street Reconstruction Project  | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| Redwood Falls              | Adv trmt - phos, rehab WWTF  | Wastewater Treatment Facilities Project | 2018                              | 16.1                                    | Yes              |                      |
| Rice Lake                  | Rice Lake  | Sewer System Project                    | 2018                              | 0                                       | Yes              | Yes                  |
| Richfield                  | Lyndale Ave  | Sewer System Project                    | 2019                              | 1                                       | Yes              | No                   |
| Richfield                  | Richfield Parkway South  | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| Richfield                  | Woodlake Lift Station Renovation   | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Rochester                  | Replace/Upgrade Sanitary Sewer from 3rd Ave SE along 1st Ave SE and New St | Sewer System Project                    | 2018                              | 4                                       | No               | No                   |
| Rochester                  | 12th/13th Ave Sanitary and Storm Improvements from 2nd St S to 2nd St N    | Sewer System Project                    | 2018                              | 4                                       | No               | No                   |
| Rochester                  | J7816 Emerald Hills Sewer to Lift Station                                  | Sewer System Project                    | 2018                              | 1                                       | No               | No                   |
| Rochester                  | 2nd Avenue NW/Goose Egg Park Trunkline                                     | Sewer System Project                    | 2019                              | 3.25                                    | No               | No                   |
| Rochester                  | 7797 West Zumbro Relief  | Sewer System Project                    | 2018                              | 2.8                                     | No               | No                   |
| Rochester                  | Annual maintenance and General Trunkline Relief                            | Sewer System Project                    | 2019                              | 29                                      | No               | No                   |
| Rochester                  | 7797 West Zumbro Relief  | Sewer System Project                    | 2020                              | 2                                       | No               | No                   |
| Rochester                  | Extension Sanitary Sewer SSA 15E, 15-11, & 15-12                           | Sewer System Project                    | 2020                              | 2                                       | No               | No                   |
| Rochester                  |  | Sewer System Project                    | 2020                              | 4.5                                     | No               | No                   |
| Rochester                  |  | Sewer System Project                    | 2020                              | 2.5                                     | No               | No                   |
| Rochester                  |  | Sewer System Project                    | 2021                              | 2.5                                     | No               | No                   |
| Rochester                  |  | Sewer System Project                    | 2025                              | 18                                      | No               | No                   |
| Rochester                  |  | Sewer System Project                    | 2020                              | 3.1                                     | No               | No                   |
| Rockford                   | Downtown Collection System Rehab   | Sewer System Project                    | 2019                              | 1.6                                     | No               | Yes                  |
| Rogers                     | Main Street Sewer Reconstruction   | Sewer System Project                    | 2018                              | 1                                       | No               | Yes                  |
| Rogers                     | Connection of failed onsite septic systems from merger with Hassan Twp     | Sewer System Project                    | 2019                              | 1                                       | No               | Yes                  |
| Rogers                     | Lab Upgrade/Replacement  | Wastewater Treatment Facilities Project | 2018                              | 1                                       | No               | No                   |
| Rogers                     | Secondary Treatment Expansion  | Wastewater Treatment Facilities Project | 2018                              | 15                                      | No               | Yes                  |
| Rollingstone               | Unnamed  | Sewer System Project                    |                                   | 0                                       | No               | No                   |

| Name of Community | Name of Project   | Type of Project                         | Anticipated date of construction* | Total estimated project cost - millions | Currently on PPL | Intend to put on PPL |
|-------------------|---|---|-----------------------------------|---|------------------|----------------------|
| Roscoe            | Roscoe WWTP replacement                                   | Wastewater Treatment Facilities Project | 2018                              | 2                                       |                  | Yes                  |
| Rose Creek        | Sanitary Street Project                                   | Sewer System Project                    |                                   | 0                                       |                  |                      |
| Roseville         | 2025-2034 Sewer Rehabilitation                            | Sewer System Project                    | 2019                              | 8                                       | No               | No                   |
| Rushford          | 2019 Improvement Project                                  | Sewer System Project                    | 2019                              | 0                                       | No               | Yes                  |
| Rushford          | 2019 Improvement Project                                  | Sewer System Project                    | 2019                              | 1                                       | No               | Yes                  |
| Rushford          | Wastewater Treatment Plant Upgrade                        | Wastewater Treatment Facilities Project | 2018                              | 0                                       | No               | Yes                  |
| Rutledge          | Unsewered, collection and treatment                       | Sewer System Project                    | 2018                              | 1.29                                    | Yes              |                      |
| Sabin             | 2015 Sewer Manhole Rehabilitation                         | Sewer System Project                    | 2017                              | 0.015                                   | No               | No                   |
| Sacred Heart      | Wastewater Rehab Project                                  | Sewer System Project                    | 2018                              | 0                                       | Yes              |                      |
| Sacred Heart      | Primary Clarifier Project                                 | Wastewater Treatment Facilities Project | 2018                              | 1                                       | Yes              |                      |
| Saint James       | Rehab collection  | Sewer System Project                    | 2018                              | 2.9                                     | Yes              |                      |
| Saint Stephen     | Unsewered, collection and treatment                       | Sewer System Project                    | 2018                              | 9.52                                    | Yes              |                      |
| Sanborn           | Sanborn WWTP Secondary Pond Addition                      | Wastewater Treatment Facilities Project |                                   | 0                                       | No               | No                   |
| Sandstone         | WWP wet well / building exterior rehab                    | Wastewater Treatment Facilities Project | 2017                              | 0                                       | No               | No                   |
| Sandstone         | Expand existing system                                    | Sewer System Project                    | 2018                              | 16.9                                    | Yes              |                      |
| Sartell           | 4th Ave South Gravity Sewer                               | Sewer System Project                    | 2017                              | 1                                       | No               | No                   |
| Sartell           | Pinecone Road North Improvements                          | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Sartell           | East Central Trunk Line                                   | Sewer System Project                    | 2018                              | 2.2                                     | No               | No                   |
| Sartell           | East Side Reconstruction                                  | Sewer System Project                    | 2019                              | 2.2                                     | No               | No                   |
| Sartell           | L.S. #3 Forcemain replacement                             | Sewer System Project                    | 2021                              | 0.35                                    | No               | No                   |
| Sartell           | Unnamed   | Sewer System Project                    | 2019                              | 1                                       | No               | No                   |
| Sartell           | St Cloud Forcemain  | Sewer System Project                    | 2019                              | 5                                       | No               | No                   |
| Sauk Centre       | Highway 71 Major Reconstruct                              | Sewer System Project                    | 2028                              | 1                                       | No               | Yes                  |
| Sauk Centre       | Influent Screening  | Wastewater Treatment Facilities Project | 2021                              | 1                                       | No               | Yes                  |
| Sauk Rapids       | St. Cloud East Side Interceptor                           | Sewer System Project                    | 2018                              | 4                                       | No               | No                   |
| Savage            | South Savage Trunk Sewer                                  | Sewer System Project                    | 2016                              | 3                                       | No               | No                   |
| Scanlon           | Scanlon   | Sewer System Project                    | 2017                              | 0.011                                   | No               | No                   |
| Sebeka            | Rehab Collection System - Reduce I/I                      | Sewer System Project                    | 2017                              | 1                                       | Yes              | Yes                  |
| Shafer            | Shafer  | Wastewater Treatment Facilities Project | 2022                              | 2                                       | No               | Yes                  |
| Shoreview         | Highway 49 / Hodgeson (H96-Gramsie)                       | Sewer System Project                    | 2019                              | 0                                       | No               | No                   |
| Shoreview         | Sanitary Sewer rehabilitation                             | Sewer System Project                    | 2019                              | 1                                       | No               | No                   |
| Shoreview         | Sanitary Sewer Lift Stations                              | Sewer System Project                    | 2021                              | 0                                       | No               | No                   |
| Shoreview         | Edgetown Acres-Schutta/Lois/Hillview                      | Sewer System Project                    | 2020                              | 1                                       | No               | No                   |
| Shoreview         | Sanitary Sewer Repair and Rehabilitation                  | Sewer System Project                    | 2027                              | 5                                       | No               | No                   |
| Shoreview         | Sewer Lift Stations                                       | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Shoreview         | Sewer Lift Stations                                       | Sewer System Project                    | 2020                              | 0                                       | No               | No                   |
| Shoreview         | Sewer Lift Stations                                       | Sewer System Project                    | 2020                              | 0                                       |                  |                      |
| Shoreview         | Sewer Lift Station  | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Shoreview         | Sewer Lift Stations                                       | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| Shoreview         | Sewer Lift Stations                                       | Sewer System Project                    | 2019                              | 0                                       | No               | No                   |
| Silver Bay        | Preliminary Treatment                                     | Wastewater Treatment Facilities Project | 2019                              | 1.7                                     | No               | No                   |
| Silver Creek      | Silver Creek Township - Stewart River                     | Sewer System Project                    | 2019                              | 12                                      | Yes              | Yes                  |
| Silver Creek      | Silver Creek Township - Stewart River                     | Wastewater Treatment Facilities Project | 2019                              | 5                                       | Yes              | Yes                  |
| Slayton           | Control Panel Replacement                                 | Sewer System Project                    | 2019                              | 0                                       | No               | No                   |
| Sleepy Eye        | Ongoing Rehab   | Sewer System Project                    | 2019                              | 1                                       | No               | No                   |
| Sleepy Eye        | Ongoing Sewer Rehab                                       | Sewer System Project                    | 2019                              | 2                                       | No               | No                   |
| South Bend Twp    | South Bend Twp  | Sewer System Project                    |                                   | 4                                       | No               | Yes                  |
| South Bend Twp    | Unsewered, connect to Mankato                             | Sewer System Project                    | 2018                              | 3.56                                    | Yes              |                      |
| Spicer            | Lake Ave North Project                                    | Sewer System Project                    | 2016                              | 2                                       | No               | No                   |
| Springfield       | Sanborn Street  | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| St Cloud          | Main Liftstation Improvements Project - Phase II          | Sewer System Project                    | 2027                              | 5                                       | No               | Yes                  |
| St Cloud          | Installation of a 3rd Forcemain                           | Sewer System Project                    | 2027                              | 12                                      | No               | Yes                  |
| St Cloud          | Abandonment of Liftstation #10                            | Sewer System Project                    | 2020                              | 0                                       | No               | Yes                  |
| St Cloud          | Design and Construction of West Airport Interceptor Sewer | Sewer System Project                    |                                   | 8                                       | No               | Yes                  |
| St Cloud          |   | Sewer System Project                    | 2019                              | 1.1                                     | No               | Yes                  |
| St Cloud          | Wastewater Flow Diversion Project                         | Sewer System Project                    | 2020                              | 2                                       | No               | Yes                  |
| St Cloud          |   | Sewer System Project                    |                                   | 1.5                                     | No               | No                   |
| St Cloud          |   | Sewer System Project                    | 2018                              | 1.05                                    | No               | No                   |
| St Cloud          |   | Sewer System Project                    | 2018                              | 1.75                                    | No               | No                   |

| Name of Community          | Name of Project   | Type of Project                         | Anticipated date of construction* | Total estimated project cost - millions | Currently on PPL | Intend to put on PPL |
|----------------------------|---|---|-----------------------------------|---|------------------|----------------------|
| St Cloud                   |   | Sewer System Project                    |                                   | 0                                       | No               | No                   |
| St Cloud                   |   | Sewer System Project                    |                                   | 0                                       | No               | No                   |
| St Cloud                   |   | Sewer System Project                    |                                   | 0                                       | No               | No                   |
| St Cloud                   |   | Sewer System Project                    |                                   | 0                                       | No               | No                   |
| St Cloud                   |   | Sewer System Project                    |                                   | 1.339                                   | No               | No                   |
| St Cloud                   |   | Sewer System Project                    | 2022                              | 1.9                                     | No               | No                   |
| St Cloud                   | Wastewater Treatment Facility Expansion -- Phase II         | Wastewater Treatment Facilities Project | 2023                              | 10                                      | No               | Yes                  |
| St Francis - East & West F | TH 47 Sewer & Water Extension                               | Sewer System Project                    | 2027                              | 4                                       | No               | Yes                  |
| St Joseph                  | 2017 Alley improvements                                     | Sewer System Project                    | 2017                              | 3                                       | No               | No                   |
| St Joseph                  | Industrial/commercial growth.                               | Sewer System Project                    | 2017                              | 1                                       | No               | No                   |
| St Joseph                  | Commercial/industrial growth in area.                       | Sewer System Project                    | 2020                              | 4                                       | No               | No                   |
| St Leo                     | Lift Station and Forcemain Improvements                     | Sewer System Project                    | 2018                              | 1                                       | Yes              | Yes                  |
| St Louis Park              | sewer lining  | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| St Martin                  | Wastewater Treatment Improvements                           | Sewer System Project                    | 2018                              | 1.2                                     | No               | No                   |
| St Martin                  | Wastewater Treatment Improvements                           | Sewer System Project                    | 2018                              | 1.2                                     | Yes              | No                   |
| St Martin                  | Wastewater Treatment Improvements                           | Wastewater Treatment Facilities Project | 2018                              | 3                                       | No               | No                   |
| St Michael                 | Collection System Interceptor Sewer for Complete Build out  | Sewer System Project                    |                                   | 24                                      | No               | No                   |
| St Paul                    | Sewer System Major Rehab and Repairs (5-10 years)           | Sewer System Project                    | 2018                              | 61                                      | No               | No                   |
| St Paul                    | Sewer System Rehabilitation and Major Repairs (10-20 years) | Sewer System Project                    | 2025                              | 138                                     | No               | No                   |
| Staples                    | Northwest Area Improvement                                  | Sewer System Project                    | 2020                              | 0                                       | No               | No                   |
| Staples                    | Wastewater Pumping Station and Sanitary Sewer West T.H. 10  | Sewer System Project                    | 2025                              | 0                                       | No               | Yes                  |
| Staples                    | Wastewater Plant Upgrade                                    | Wastewater Treatment Facilities Project | 2019                              | 7                                       | Yes              |                      |
| Starbuck                   | Lift station #2 and #3 replacement                          | Sewer System Project                    | 2019                              | 1                                       | No               | Yes                  |
| Starbuck                   | 2020 hwy project  | Sewer System Project                    | 2020                              | 2                                       | Yes              | Yes                  |
| Starbuck                   | Wastewater Treatment Facilities Improvements                | Sewer System Project                    | 2018                              | 0                                       | No               | Yes                  |
| Starbuck                   | Lift Station Improvements                                   | Wastewater Treatment Facilities Project | 2018                              | 0                                       | No               | Yes                  |
| Steele County - Pratt      | Unsewered, potential SSTS                                   | Sewer System Project                    | 2018                              | 0.65                                    | Yes              |                      |
| Stephen                    | Rehab/expand existing system                                | Sewer System Project                    | 2018                              | 1.7                                     | Yes              |                      |
| Stewart                    | 2013-2014 Infrastructure Project - Group B                  | Sewer System Project                    | 2015                              | 0                                       | No               | No                   |
| Stewart                    | 2018-2019 Infrastructure Improvement Project                | Sewer System Project                    | 2018                              | 2                                       | Yes              | Yes                  |
| Stewartville               | Phase 3 - drying beds and equalization basin                | Wastewater Treatment Facilities Project | 2016                              | 3                                       | No               | No                   |
| Stillwater                 | Marince Circle Lift Station Rehabilitation                  | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| Taconite                   | Highway 169 Utility Replacement                             | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| Thief River Falls          | County Rd. 62 Utility Imp                                   | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| Thief River Falls          | Highway 1 East Utilities Imp                                | Sewer System Project                    | 2018                              | 0.1                                     | No               | No                   |
| Thief River Falls          | Nelson Drive Infrastructure                                 | Sewer System Project                    | 2016                              | 0.09                                    | No               | No                   |
| Tonka Bay                  | Sanitary Sewer Replacement                                  | Sewer System Project                    | 2023                              | 1.383                                   | No               | Yes                  |
| Tonka Bay                  | Sewer Lining  | Sewer System Project                    | 2025                              | 0                                       | No               | No                   |
| Tower - Brietung Wastew    | Rehab collection and treatment                              | Sewer System Project                    | 2018                              | 2.3                                     | Yes              |                      |
| Tower - Hoo-Doo Point      | Unsewered, connect to Tower                                 | Sewer System Project                    | 2018                              | 0.627                                   | Yes              |                      |
| Tower - West T.H. 169      | Unsewered, connect to Tower                                 | Sewer System Project                    | 2018                              | 0.787                                   | Yes              |                      |
| Tracy                      | Replacement of Sanitary Sewer                               | Sewer System Project                    |                                   | 0                                       |                  |                      |
| Tracy                      | Rehab collection, Ph 3                                      | Sewer System Project                    | 2018                              | 11.5                                    | Yes              |                      |
| Trimont                    | Trunk Sanitary Sewer Main Replacement                       | Sewer System Project                    | 2018                              | 1                                       | No               | Yes                  |
| Trimont                    | Sewer System Rehab  | Sewer System Project                    |                                   | 6.8                                     | Yes              |                      |
| Trimont                    | 2009-2011 Infrastructure Improvements                       | Wastewater Treatment Facilities Project | 2019                              | 1                                       | Yes              |                      |
| Trosky                     | Unsewered, collection and treatment                         | Sewer System Project                    | 2018                              | 3                                       | Yes              |                      |
| Twin Valley                | Herold Addition Sanitary Sewer Replacement                  | Sewer System Project                    | 2018                              | 1.05                                    | Yes              | Yes                  |
| Two Harbors                | Manhole Reconstruction                                      | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| Two Harbors                | Rehab main lift station                                     | Sewer System Project                    | 2018                              | 1.46                                    | Yes              |                      |
| Vadnais Heights            | Sewer Main Pipe Relining Project                            | Sewer System Project                    | 2017                              | 0.15                                    | No               | Yes                  |
| Vadnais Heights            | Sewer Main Pipe Relining Project                            | Sewer System Project                    | 2017                              | 0.15                                    | No               | Yes                  |
| Vadnais Heights            | Sewer Main Pipe Relining Project                            | Sewer System Project                    | 2017                              | 0                                       | No               | Yes                  |
| Vernon Center              | Vernon Center Sanitary Sewer Rehabilitation                 | Sewer System Project                    | 2020                              | 6                                       | No               | Yes                  |
| Vernon Center              | Vernon Center Wastewater Treatment Facility Improvements    | Wastewater Treatment Facilities Project | 2020                              | 2                                       | No               | Yes                  |
| Vernon Center              | 2025 Street and Utility Improvements                        | Sewer System Project                    | 2020                              | 5                                       | No               | Yes                  |
| Victoria                   | Lift Station Improvements                                   | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Victoria                   | Lift Station #11 Improvements                               | Sewer System Project                    | 2020                              | 2                                       | No               | No                   |
| Villard Area Lakes SD      | Unsewered, collection and treatment                         | Sewer System Project                    | 2018                              | 8.91                                    | Yes              |                      |

| Name of Community        | Name of Project   | Type of Project                         | Anticipated date of construction* | Total estimated project cost - millions | Currently on PPL | Intend to put on PPL |
|--------------------------|---|---|-----------------------------------|---|------------------|----------------------|
| Wabasha                  | Collection System Improvements                                    | Sewer System Project                    | 2019                              | 8                                       | No               | Yes                  |
| Wabasha                  | Reed Bed Removal and Replanting                                   | Wastewater Treatment Facilities Project | 2018                              | 0.06                                    | No               | No                   |
| Waconia                  | Pheasant Ridge Sanitary Forcemain Extension                       | Sewer System Project                    | 2020                              | 0                                       | No               | No                   |
| Waconia                  | 1st Street  | Sewer System Project                    | 2019                              | 0                                       | No               | No                   |
| Waconia                  | Infrastructure 2014 - sewer system - 3rd, 4th, Elm, 2nd, Pine     | Sewer System Project                    | 2023                              | 0                                       | No               | No                   |
| Waconia                  | Infrastructure 2014 - Walnut, 3rd Street & 2nd Street             | Sewer System Project                    | 2020                              | 0                                       | No               | No                   |
| Waconia                  | Infrastructure 2016 - Elm Street and 5th street                   | Sewer System Project                    | 2025                              | 0                                       | No               | No                   |
| Waconia                  | Infrastructure Improvement 20A - 3-1/2 Street - Maple             | Sewer System Project                    | 2023                              | 0                                       | No               | No                   |
| Waconia                  | Infrastructure Improvement 2020 Main Street                       | Sewer System Project                    | 2020                              | 0                                       | No               | No                   |
| Waconia                  | Infrastructure Improvement 2021 Olive Street                      | Sewer System Project                    | 2023                              | 0                                       | No               | No                   |
| Waconia                  | L52 Wet Well Interior Conversion                                  | Sewer System Project                    | 2019                              | 0                                       | No               | No                   |
| Waconia                  | Lake Street and Sterling Hills Lift Stations.                     | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Waconia                  | Spruce, 1st, 2nd & Orange   | Sewer System Project                    | 2027                              | 0                                       | No               | No                   |
| Wadena                   | CSAH 4  | Sewer System Project                    | 2018                              | 1                                       | No               | Yes                  |
| Wadena                   | HWY 10 Reconstruction   | Sewer System Project                    | 2019                              | 2                                       | No               | Yes                  |
| Wadena                   | Pool lift-station   | Sewer System Project                    | 2020                              | 0                                       | No               | Yes                  |
| Wadena                   | SW Area   | Sewer System Project                    | 2022                              | 13.4                                    | No               | Yes                  |
| Waldorf                  | City of Waldorf New Stabilization Ponds and New Collection System | Wastewater Treatment Facilities Project | 2018                              | 2                                       | Yes              | Yes                  |
| Waldorf                  | Inflow & Infiltration Abatement Program                           | Sewer System Project                    | 2017                              | 12.144                                  | Yes              | Yes                  |
| Waldorf                  | Replacement of Collection System                                  | Sewer System Project                    | 2018                              | 10                                      | Yes              | Yes                  |
| Waldorf                  | Waldorf Waste Water Treatment Facility                            | Wastewater Treatment Facilities Project | 2018                              | 2                                       | Yes              | Yes                  |
| Walker                   | Sanitary sewer lining approx 3000 ft.                             | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Walker                   | Rehab collection  | Sewer System Project                    | 2018                              | 3.31                                    | Yes              |                      |
| Walker                   | Rehab collection  | Sewer System Project                    | 2018                              | 1.52                                    | Yes              |                      |
| Walnut Grove             | Wastewater Treatment Plant Rehab                                  | Sewer System Project                    | 2020                              | 3                                       | No               | No                   |
| Walnut Grove             | Rehab collection system   | Wastewater Treatment Facilities Project | 2030                              | 2                                       |                  |                      |
| Wanamingo                | Replace grit Loading Pumps  | Sewer System Project                    | 2018                              | 0.036                                   | No               | Yes                  |
| Wanamingo                | Sewer Main Relining/Rehab Manholes                                | Sewer System Project                    | 2020                              | 2                                       | Yes              | Yes                  |
| Wanamingo                | Unnamed   | Wastewater Treatment Facilities Project | 2020                              | 0.25                                    | Yes              | Yes                  |
| Warba                    | Adv trmt - mercury, rehab collection and trmt                     | Wastewater Treatment Facilities Project | 2018                              | 2.28                                    | Yes              |                      |
| Warren                   | Ross and 4th St.  | Sewer System Project                    | 2019                              | 1                                       | No               | Yes                  |
| Warren                   | NW Area   | Sewer System Project                    | 2018                              | 3                                       | No               | Yes                  |
| Warroad                  | Rehab/expand existing system                                      | Wastewater Treatment Facilities Project |                                   | 8                                       | No               | No                   |
| Warroad                  | Wastewater Pond Expansion   | Wastewater Treatment Facilities Project |                                   | 1                                       | No               | No                   |
| Waseca                   | Inflow and Infiltration Sanitary Sewer Improvements               | Sewer System Project                    | 2018                              | 6                                       | No               | Yes                  |
| Waseca                   | West Interchange Sanitary Sewer                                   | Sewer System Project                    | 2020                              | 2                                       | No               | Yes                  |
| Watertown                | Wastewater Treatment Improvements                                 | Wastewater Treatment Facilities Project | 2021                              | 10                                      | No               | Yes                  |
| Watertown                | Lift Station A  | Sewer System Project                    | 2020                              | 1.5                                     | No               | No                   |
| Waterville               | Waterville Waste Water Treatment Facility                         | Wastewater Treatment Facilities Project | 2015                              | 11                                      | No               | No                   |
| Waterville               | Sanitary Sewer Lining Improvements                                | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Waterville               | Unnamed   | Sewer System Project                    | 2010                              | 0                                       | No               | No                   |
| Waubun                   | Rehab of the existing Treatment system                            | Wastewater Treatment Facilities Project |                                   | 4                                       | Yes              | Yes                  |
| Waverly                  | Waverly Lake East Side Street Utility Improvements (CSAH 9)       | Sewer System Project                    | 2018                              | 6                                       | Yes              | Yes                  |
| Waverly                  | North Shore Drive Utility Improvements                            | Sewer System Project                    | 2017                              | 12                                      | Yes              | Yes                  |
| Wells                    | North Business Park   | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| Wells                    | North Business Park   | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| West Concord             | 2017 Utility Street Improvement                                   | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| Western Lake Superior Sa | Pump Station Improvements Phase 2                                 | Sewer System Project                    | 2026                              | 32                                      | No               | Yes                  |
| Western Lake Superior Sa | Interceptor Improvements Phase 1                                  | Sewer System Project                    | 2021                              | 24                                      | Yes              | Yes                  |
| Western Lake Superior Sa | Interceptor Improvements Phase 2                                  | Sewer System Project                    | 2026                              | 42                                      | No               | Yes                  |
| Western Lake Superior Sa | Oxygen Supply Improvements Project                                | Wastewater Treatment Facilities Project | 2018                              | 17                                      | Yes              | Yes                  |
| Western Lake Superior Sa | Treatment Plant Improvements Phase 1                              | Wastewater Treatment Facilities Project | 2021                              | 13                                      | Yes              | Yes                  |
| Western Lake Superior Sa | Treatment Plant Improvements Phase 2                              | Wastewater Treatment Facilities Project | 2026                              | 42                                      | No               | Yes                  |
| Western Lake Superior Sa | Pike Lake Pump Station/Interceptor Improvements                   | Sewer System Project                    | 2024                              | 6                                       | No               | Yes                  |
| Western Lake Superior Sa | WLSSD - Treatment Plant Improvements                              | Sewer System Project                    | 2021                              | 1.4                                     | Yes              | Yes                  |
| Western Lake Superior Sa | Biogas Fueled Engine Generator/Heat Recovery                      | Wastewater Treatment Facilities Project | 2020                              | 24.5                                    | Yes              |                      |
| White Bear Lake          | Main Repaires as Part of Street Reconstruction                    | Sewer System Project                    | 2020                              | 0                                       |                  |                      |
| White Bear Lake          | Sanitary Sewer Lining   | Sewer System Project                    | 2020                              | 0                                       |                  |                      |
| White Bear Lake          | SCADA Upgrade   | Sewer System Project                    | 2016                              | 0                                       |                  |                      |

| Name of Community  | Name of Project  | Type of Project                         | Anticipated date of construction* | Total estimated project cost - millions | Currently on PPL | Intend to put on PPL |
|--|--|---|-----------------------------------|---|------------------|----------------------|
| White Bear Lake  | Service WVE Replacement Program                          | Sewer System Project                    | 2018                              | 0                                       |                  |                      |
| White Bear Lake  | South Shore Boulevard Extension                          | Sewer System Project                    | 2020                              | 0                                       |                  |                      |
| White Bear Twp   | Rehab collection   | Sewer System Project                    | 2018                              | 1.11                                    | Yes              |                      |
| White Twp  | White Twp - Gardendale Utility Improv. Proj              | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Willmar  | 1701   | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| Willmar  | Rehab lift stations, Ph 2                                | Sewer System Project                    | 2018                              | 1.6                                     | Yes              |                      |
| Willow River   | Pond repairs   | Wastewater Treatment Facilities Project | 2018                              | 1.98                                    | Yes              |                      |
| Windom   | 2017 Wastewater Treatment Facility Upgrade and Expansion | Wastewater Treatment Facilities Project | 2017                              | 14                                      | Yes              | Yes                  |
| Winnebago  | NW Area Street and Utility Improvements                  | Sewer System Project                    | 2017                              | 2                                       | Yes              | Yes                  |
| Winona   |  | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Winona   |  | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Winona   |  | Wastewater Treatment Facilities Project | 2020                              | 0                                       | No               | No                   |
| Winona   |  | Wastewater Treatment Facilities Project | 2018                              | 1.8                                     | No               | No                   |
| Winona   |  | Wastewater Treatment Facilities Project | 2019                              | 0                                       | No               | No                   |
| Winona   |  | Wastewater Treatment Facilities Project | 2020                              | 0                                       | No               | No                   |
| Winona   |  | Wastewater Treatment Facilities Project | 2020                              | 1.4                                     | No               | No                   |
| Winona   |  | Wastewater Treatment Facilities Project | 2019                              | 0                                       | No               | No                   |
| Winsted  | Annual CIPP Lining                                       | Sewer System Project                    | 2018                              | 1                                       | No               | No                   |
| Winsted  | Conrad Avenue Improvements                               | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Winsted  | McLeod Avenue Improvements                               | Sewer System Project                    | 2019                              | 0                                       | No               | No                   |
| Winsted  | Herald Journal Sewer Extension                           | Sewer System Project                    | 2020                              | 0                                       | No               | No                   |
| Winsted  | WWTF Upgrade   | Wastewater Treatment Facilities Project | 2017                              | 8                                       | Yes              | Yes                  |
| Winsted  | Interceptor Rehabilitation                               | Sewer System Project                    | 2020                              | 0                                       | No               | No                   |
| Winsted  | Sanitary Sewer Extension West, East and North            | Sewer System Project                    | 2020                              | 1.6                                     | No               | No                   |
| Winsted  | Upgrade Two Lift Stations                                | Sewer System Project                    | 2019                              | 0                                       | No               | No                   |
| Winthrop   | 2017 street project                                      | Sewer System Project                    | 2017                              | 1                                       | No               | No                   |
| Winthrop   | 2017 street project                                      | Sewer System Project                    | 2017                              | 1                                       | No               | No                   |
| Winthrop   | Rehab collection   | Sewer System Project                    | 2018                              | 1.13                                    | Yes              |                      |
| Winton   | Winton Wastewater Collection Improvements Phase II       | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Wood Lake  | Rehab collection and treatment                           | Sewer System Project                    | 2018                              | 8.4                                     | Yes              |                      |
| Woodbury   | Tamarack Sanitary Sewer Main Rehabilitation              | Sewer System Project                    | 2018                              | 2                                       | No               | No                   |
| Woodbury   | 2018-2022 Road Rehabilitation Sewer Repairs              | Sewer System Project                    | 2018                              | 3                                       | No               | No                   |
| Worthington  | 2020 Sewer Improvements                                  | Sewer System Project                    | 2020                              | 0                                       | No               | No                   |
| Worthington  | 2021 Sewer Improvements                                  | Sewer System Project                    | 2021                              | 0                                       | No               | No                   |
| Worthington  | 2018 Sewer Improvements                                  | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Worthington  | 2019 Sewer Improvements                                  | Sewer System Project                    | 2019                              | 0                                       | No               | No                   |
| Worthington  | East district lift station & force main                  | Sewer System Project                    | 2018                              | 1.23                                    | No               | No                   |
| Worthington  | Flower Lane sewer extension                              | Sewer System Project                    | 2017                              | 0                                       | No               | No                   |
| Worthington  | North Humiston sewer extension                           | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Worthington  | south district lift station & forcemain                  | Sewer System Project                    | 2018                              | 0                                       | No               | No                   |
| Wrenshall  | Rehab Pioneer Drive                                      | Sewer System Project                    | 2018                              | 0.09                                    | Yes              |                      |
| Wright   | Unsewered, collection and treatment                      | Sewer System Project                    | 2018                              | 1.6                                     | Yes              |                      |
| Wyoming  | Citgo lift Station and Force Main Improvement            | Sewer System Project                    | 2019                              | 1                                       |                  |                      |
| Wyoming  | Viking Boulevard/Fallbrook Avenue Trunk Sewer Upgrade    | Sewer System Project                    | 2020                              | 1                                       |                  |                      |
| Zimmerman  | 3rd Ave s  | Sewer System Project                    | 2017                              | 1                                       | Yes              | Yes                  |
| Zimmerman  | 2nd Avenue North Project                                 | Wastewater Treatment Facilities Project | 2014                              | 4                                       | No               | No                   |
| Zumbro Falls   | Rehabilitation and Expansion of Stabilization Pond       | Wastewater Treatment Facilities Project |                                   | 1                                       | No               | Yes                  |
| Zumbrota   | NW Sewer Interceptor Line                                | Sewer System Project                    |                                   |   | No               | No                   |
|  |  |   |                                   |   |                  |                      |
|  |  |   |                                   |   |                  |                      |
| *If the anticipated date of construction was entered by the community as a range of dates, the average of the dates is entered in this table. If a specific date was entered, only the year is entered in this table. This allows for better comparison of data. |  |   |                                   |   |                  |                      |

## Appendix 2 - 2018 Project Priority List

| Project Name                            | Rank | Priority Points | Project Description                   | Estimated Project Cost |
|---|------|-----------------|---------------------------------------|------------------------|
| Albert Lea - Stables Area               | 69   | 59              | Unsewered area, sewer extension       | \$ 1,878,000           |
| Albertville                             | 271  | 23              | Rehab treatment, move discharge       | \$ -                   |
| Alexandria Lakes Area Sanitary District | 198  | 43              | Additional aroebic digestor cell      | \$ 2,205,000           |
| Alexandria Lakes Area Sanitary District | 199  | 43              | Interceptor improvements              | \$ 1,325,000           |
| Alexandria Lakes Area Sanitary District | 200  | 43              | Interceptor improvements, CR82        | \$ 1,367,000           |
| Alexandria Lakes Area Sanitary District | 201  | 43              | Interceptor improvements, AGA Drive   | \$ 706,000             |
| Annandale - Stormwater                  | 268  | 25              | Underground infiltration areas        | \$ 458,800             |
| Annandale 1                             | 217  | 39              | Rehab collection 1                    | \$ 626,795             |
| Annandale 2                             | 218  | 39              | Rehab collection 2                    | \$ 1,048,200           |
| Appleton                                | 265  | 28              | Rehab treatment                       | \$ 3,015,000           |
| Austin                                  | 173  | 46              | Rehab/expand existing system          | \$ 3,500,000           |
| Austin - Turtle Creek 2                 | 113  | 53              | Unsewered, connect to Austin          | \$ 1,929,121           |
| Babbitt                                 | 247  | 33              | Adv trmt - mercury, rehab treatment   | \$ 600,000             |
| Bagley                                  | 156  | 48              | Rehab collection                      | \$ 543,638             |
| Barnesville                             | 120  | 53              | Rehab collection                      | \$ 2,210,465           |
| Benson                                  | 211  | 42              | Rehab treatment                       | \$ 3,200,000           |
| Bethel                                  | 65   | 60              | Replace pond liner, monitoring well   | \$ 190,000             |
| Big Lake Area SD - Fond du Lac          | 276  | 16              | Unsewered, connect to WLSSD           | \$ 13,442,000          |
| Bigfork                                 | 281  | 14              | Rehab and expand ponds                | \$ 1,551,000           |
| Blackduck                               | 67   | 60              | Rehab collection and treatment        | \$ 484,655             |
| Blooming Prairie                        | 132  | 51              | Rehab collection                      | \$ 3,080,100           |
| Blue Earth                              | 88   | 57              | Rehab treatment system                | \$ 7,424,200           |
| Borup                                   | 87   | 58              | Rehab collection and treatment        | \$ 3,000,000           |
| Bovey                                   | 134  | 51              | Rehab collection                      | \$ 450,000             |
| Brooten                                 | 99   | 56              | Rehab collection                      | \$ 2,040,000           |
| Browerville 1                           | 147  | 49              | Rehab collection                      | \$ 1,546,300           |
| Browerville 2                           | 220  | 39              | Rehab treatment                       | \$ 6,205,600           |
| Brownsville                             | 241  | 34              | Rehab treatment                       | \$ 1,210,000           |
| Brownton                                | 49   | 65              | Adv trmt - phos, rehab collection     | \$ 3,793,000           |
| Bruno                                   | 288  | 1               | Unsewered, pressure sewer/sand filter | \$ 2,682,000           |
| Buffalo                                 | 257  | 30              | Rehab collection                      | \$ 4,600,000           |

| <b>Project Name</b>                          | <b>Rank</b> | <b>Priority Points</b> | <b>Project Description</b>                 | <b>Estimated Project Cost</b> |
|--|-------------|------------------------|--|-------------------------------|
| Buhl   | 183         | 46                     | Rehab collection                           | \$ 471,000                    |
| Calumet                                      | 160         | 48                     | Rehab collection                           | \$ 160,000                    |
| Canby  | 35          | 68                     | Rehab collection                           | \$ 4,902,800                  |
| Cannon Falls                                 | 50          | 64                     | Rehab collection, fix direct discharge     | \$ -                          |
| Capitol Region Watershed District            | 181         | 46                     | Convert dry to wet pond, iron/sand filter  | \$ 535,000                    |
| Cascade Twp                                  | 51          | 64                     | Remove pond, connect to Rochester          | \$ 1,820,126                  |
| Cass County - Stony Point                    | 108         | 55                     | Unsewered, potential SSTS                  | \$ 1,200,000                  |
| Cass County - Sugar Point                    | 289         | 1                      | Unsewered, potential LSTS                  | \$ 2,000,000                  |
| Cedar Mills                                  | 264         | 28                     | Rehab treatment, corrective action         | \$ 300,000                    |
| Center City                                  | 130         | 51                     | Relocate sewer utilities                   | \$ 130,000                    |
| Chisholm                                     | 45          | 66                     | Rehab collection - Lakeview                | \$ 3,904,284                  |
| Clarissa                                     | 81          | 58                     | Rehab collection                           | \$ 2,597,000                  |
| Clarkfield                                   | 133         | 51                     | Rehab collection and treatment             | \$ 7,806,400                  |
| Clear Lake/Clearwater                        | 273         | 21                     | Rehab treatment                            | \$ 1,446,000                  |
| Clearbrook                                   | 229         | 38                     | Rehab collection                           | \$ 3,149,000                  |
| Clearwater River Watershed District          | 256         | 30                     | Adv trmt - nitrogen, rehab treatment       | \$ 1,358,969                  |
| Clitherall                                   | 93          | 57                     | Unsewered, collection/trmt with ponds      | \$ 1,818,000                  |
| Cokato                                       | 140         | 50                     | Adv trmt - phos, rehab treatment           | \$ 2,000,000                  |
| Coleraine Bovey Taconite Joint WW Commission | 94          | 56                     | Rehab collection and treatment             | \$ 3,700,503                  |
| Cologne                                      | 204         | 43                     | Adv trmt - phos, expand treatment          | \$ 9,890,000                  |
| Columbia Heights                             | 114         | 53                     | Silver Lake boat landing pond improvements | \$ 315,200                    |
| Comfrey                                      | 46          | 66                     | Rehab collection                           | \$ 3,438,000                  |
| Cotton Twp                                   | 287         | 5                      | Unsewered, potential SSTS                  | \$ 649,639                    |
| Cottonwood                                   | 225         | 38                     | Rehab collection, lift station             | \$ 338,000                    |
| Cromwell                                     | 84          | 58                     | Rehab existing system                      | \$ 350,000                    |
| Crooked Lake Twp                             | 290         | 1                      | Unsewered, potential SSTS                  | \$ -                          |
| Currie                                       | 39          | 68                     | Rehab collection                           | \$ 1,852,460                  |
| Dalton                                       | 66          | 60                     | Rehab collection and treatment             | \$ 2,592,000                  |
| Darwin                                       | 123         | 53                     | Rehab collection and treatment             | \$ 3,330,000                  |
| Dawson                                       | 41          | 68                     | Rehab collection                           | \$ 5,200,000                  |
| Deer Creek                                   | 231         | 38                     | Replace lift station                       | \$ 170,000                    |

| Project Name                   | Rank | Priority Points | Project Description                    | Estimated Project Cost |
|--------------------------------|------|-----------------|--|------------------------|
| Deer River                     | 205  | 43              | Pond expansion and improvements        | \$ 4,817,850           |
| Deerwood                       | 228  | 38              | Rehab collection, lift station         | \$ 150,000             |
| DeGraff                        | 11   | 81              | Unsewered, collection and treatment    | \$ 4,927,000           |
| Detroit Lakes                  | 7    | 83              | Adv trmt - phos, rehab treatment       | \$ 34,440,000          |
| Detroit Lakes                  | 118  | 53              | Replace lift station                   | \$ 155,000             |
| Detroit Lakes                  | 154  | 48              | Rehab collection                       | \$ 2,480,000           |
| Dresbach Twp                   | 150  | 48              | Unsewered, collection and treatment    | \$ 4,000,000           |
| Dumont                         | 85   | 58              | Treatment facility corrective action   | \$ 1,711,000           |
| Eagle Bend                     | 92   | 57              | Rehab collection, Ph 2                 | \$ 2,485,000           |
| Eagle Bend - Stormwater        | 252  | 31              | New wet pond, permeable pavers         | \$ 1,000,000           |
| East Grand Forks               | 182  | 46              | Decommission ponds, Ph 2               | \$ 5,128,253           |
| East Gull Lake                 | 195  | 44              | Consolidate treatment                  | \$ 3,200,000           |
| Easton                         | 63   | 61              | Rehab collection                       | \$ 529,888             |
| Easton WTP                     | 107  | 56              | Decommission, connect to Wells         | \$ 1,690,000           |
| Echo                           | 135  | 51              | Rehab collection                       | \$ 2,775,000           |
| Eden Valley                    | 112  | 55              | Rehab collection                       | \$ 548,700             |
| Elbow Lake                     | 80   | 58              | Rehab collection and treatment         | \$ 1,767,000           |
| Elbow Lake - Division Street   | 78   | 58              | Rehab collection                       | \$ 640,000             |
| Ellendale                      | 25   | 73              | Rehab treatment                        | \$ 960,000             |
| Ely                            | 75   | 58              | Rehab collection                       | \$ 2,106,750           |
| Elysian - Stormwater           | 144  | 49              | Infiltration basin                     | \$ 2,320,000           |
| Emily                          | 285  | 8               | Unsewered, sewer extension             | \$ 1,980,000           |
| Erskine                        | 47   | 65              | Rehab collection and treatment         | \$ 296,081             |
| Eveleth                        | 59   | 61              | Rehab collection, Garfield St          | \$ 189,707             |
| Federal Dam                    | 243  | 34              | Rehab collection                       | \$ 1,184,000           |
| Fillmore County - Cherry Grove | 23   | 75              | Unsewered, potential SSTs              | \$ -                   |
| Floodwood                      | 159  | 48              | Rehab collection                       | \$ 275,000             |
| Foley                          | 131  | 51              | Rehab collection                       | \$ 133,000             |
| Fountain                       | 68   | 60              | Adv trmt - nitrogen, corrective action | \$ 556,121             |
| Frazee                         | 214  | 40              | Rehab collection                       | \$ 455,067             |
| Freeport                       | 82   | 58              | Rehab collection                       | \$ 1,400,000           |

| <b>Project Name</b>              | <b>Rank</b> | <b>Priority Points</b> | <b>Project Description</b>           | <b>Estimated Project Cost</b> |
|----------------------------------|-------------|------------------------|--------------------------------------|-------------------------------|
| Gilbert                          | 5           | 86                     | Adv trmt - mercury, rehab treatment  | \$ 8,900,000                  |
| Glencoe                          | 28          | 73                     | Adv trmt - phos, rehab treatment     | \$ 19,990,000                 |
| Glyndon                          | 105         | 56                     | Rehab collection                     | \$ 363,300                    |
| Grand Marais                     | 210         | 42                     | Rehab collection                     | \$ 645,500                    |
| Grand Rapids                     | 188         | 45                     | Rehab treatment, Ph 2                | \$ 6,800,000                  |
| Granite Falls 1                  | 24          | 74                     | Biosolids storage and I/I removal    | \$ 3,000,000                  |
| Granite Falls 2                  | 33          | 69                     | Rehab/expand treatment system        | \$ 5,390,000                  |
| Grasston                         | 242         | 34                     | Rehab collection and pond            | \$ 1,507,000                  |
| Greenbush                        | 206         | 43                     | Rehab collection                     | \$ 282,968                    |
| Grey Eagle                       | 141         | 50                     | Rehab collection, lift station       | \$ 3,787,000                  |
| Grove City                       | 62          | 61                     | Rehab collection and treatment       | \$ 9,907,000                  |
| Ham Lake                         | 95          | 56                     | Unsewered, potential SSTS            | \$ 2,000,000                  |
| Hamburg                          | 230         | 38                     | Regionalize - Norwood/Young America  | \$ 2,933,000                  |
| Hampton                          | 279         | 16                     | Rehab/expand existing system         | \$ -                          |
| Hartland                         | 233         | 38                     | Rehab existing system                | \$ 339,226                    |
| Hawley                           | 73          | 59                     | Rehab collection                     | \$ 716,000                    |
| Henning                          | 192         | 45                     | Rehab collection                     | \$ 914,450                    |
| Hibbing                          | 77          | 58                     | Rehab pump station                   | \$ 1,506,000                  |
| Hitterdal                        | 272         | 23                     | Rehab/expand ponds, extend sewer     | \$ 825,500                    |
| Hoffman                          | 207         | 43                     | Rehab collection                     | \$ 874,000                    |
| Hopkins 1                        | 57          | 61                     | Abandon LS, install new collection   | \$ 286,185                    |
| Hopkins 2                        | 174         | 46                     | Rehab collection and LS#4            | \$ 156,652                    |
| Howard Lake                      | 146         | 49                     | Rehab collection, Ph 2               | \$ 7,625,500                  |
| Hoyt Lakes                       | 38          | 68                     | Adv trmt - mercury, rehab treatment  | \$ 7,095,000                  |
| Inver Grove Heights - Stormwater | 153         | 48                     | Rain gardens and bioretention        | \$ 735,865                    |
| Isle                             | 158         | 48                     | Rehab collection, lift stations      | \$ 2,526,000                  |
| Kasson                           | 97          | 56                     | Adv trmt - phos, connect Mantorville | \$ 3,348,900                  |
| Keewatin                         | 79          | 58                     | Rehab treatment                      | \$ 4,997,000                  |
| Kelliher                         | 232         | 38                     | Rehab collection                     | \$ 967,000                    |
| Kennedy                          | 86          | 58                     | Rehab collection                     | \$ 1,988,987                  |
| Kerkhoven                        | 185         | 46                     | Rehab treatment                      | \$ 650,000                    |

| Project Name                               | Rank | Priority Points | Project Description                          | Estimated Project Cost |
|--|------|-----------------|--|------------------------|
| Kingston                                   | 291  | 1               | Unsewered, potential SSTS                    | \$ -                   |
| Koochiching County - Island View Voyageurs | 255  | 30              | Unsewered, connect to NKSSD                  | \$ 15,000,000          |
| La Crescent                                | 245  | 33              | Rehab/expand existing system                 | \$ 796,200             |
| La Crescent Twp                            | 258  | 29              | Unsewered, potential SSTS                    | \$ -                   |
| Lake County - Larsmont                     | 261  | 28              | Unsewered, connect to WLSSD                  | \$ 975,000             |
| Lake Henry                                 | 136  | 51              | Rehab collection                             | \$ 190,000             |
| Lake Park                                  | 61   | 61              | Rehab collection                             | \$ 1,783,000           |
| Lake View Twp - N. Lake Sallie             | 244  | 33              | Unsewered, potential SSTS                    | \$ -                   |
| Lake View Twp - S. Lake Melissa            | 259  | 29              | Unsewered, potential SSTS                    | \$ -                   |
| Lake View Twp - Shoreham Village           | 251  | 31              | Unsewered, potential SSTS                    | \$ -                   |
| Lake View Twp - W. Lake Melissa            | 221  | 39              | Unsewered, potential SSTS                    | \$ 750,000             |
| Lakefield                                  | 1    | 98              | Adv trmt - phos, rehab treatment             | \$ 10,634,100          |
| Lakefield - WTP                            | 18   | 78              | Adv trmt - chlorides, connect to Red Rock RW | \$ 5,555,900           |
| Laketown Twp                               | 129  | 51              | Rehab collection                             | \$ 370,000             |
| Lake-Woods Co - Wheelers Point             | 64   | 61              | Unsewered, collection and treatment          | \$ 9,207,280           |
| Lamberton                                  | 52   | 63              | Rehab collection                             | \$ 2,692,100           |
| Lansing Twp - Saint Michael                | 22   | 75              | Unsewered, connection to existing WWTP       | \$ -                   |
| Laporte                                    | 275  | 20              | Rehab/expand collection and treatment        | \$ 250,000             |
| Le Center                                  | 103  | 56              | Rehab collection                             | \$ 7,541,000           |
| Le Roy                                     | 216  | 39              | Rehab collection                             | \$ 521,000             |
| Le Sueur County - West Jefferson Lake      | 125  | 52              | Unsewered, connect to Cleveland              | \$ 4,468,000           |
| Lindstrom                                  | 237  | 36              | Rehab collection                             | \$ 65,000              |
| Lindstrom - Mentzer / Melody               | 277  | 16              | Unsewered, connect to CLJSD                  | \$ 340,000             |
| Little Falls                               | 43   | 66              | Adv trmt - phos, rehab treatment             | \$ 17,217,900          |
| Littlefork                                 | 234  | 38              | Rehab collection                             | \$ 1,406,170           |
| Lone Pine Township - Swan Lake             | 292  | 1               | Unsewered, connect to Nashwauk               | \$ 14,075,800          |
| Long Prairie                               | 269  | 25              | Rehab/expand treatment                       | \$ 7,638,000           |
| Longville                                  | 250  | 33              | Rehab collection                             | \$ 708,000             |
| Loretto                                    | 29   | 73              | Regionalization with MCES                    | \$ 1,262,500           |
| Lucan                                      | 54   | 63              | Rehab/expand existing ponds                  | \$ 1,652,000           |
| Mahnomen                                   | 157  | 48              | Rehab collection and treatment               | \$ 3,823,986           |

| Project Name                               | Rank | Priority Points | Project Description                     | Estimated Project Cost |
|--|------|-----------------|---|------------------------|
| Mahnomen                                   | 191  | 45              | Unsewered, sewer extension              | \$ 872,719             |
| Mankato - S. View Heights II               | 124  | 52              | Unsewered, sewer extension              | \$ 1,398,656           |
| Mankato - Stormwater                       | 139  | 50              | Warren Street pond improvements         | \$ 1,450,000           |
| Mantorville                                | 143  | 49              | Decommission, connect to Kasson         | \$ 2,344,572           |
| Marine on St. Croix                        | 293  | 1               | Rehab collection                        | \$ -                   |
| Marshall                                   | 115  | 53              | Rehab WWTP                              | \$ 17,662,500          |
| Marshall WTP                               | 37   | 68              | Adv trmt - chlorides, new WTP           | \$ 9,000,000           |
| Mazeppa                                    | 219  | 39              | Rehab/expand existing system            | \$ 500,000             |
| MCES Blue Lake Int. System Improvements    | 171  | 46              | Interceptor improvements                | \$ 74,080,204          |
| MCES Brooklyn Park-Champlin (BPCI)         | 172  | 46              | Interceptor improvements                | \$ 59,950,000          |
| MCES Empire WWTP Solids Improvements       | 193  | 44              | Biosolids improvements                  | \$ 16,490,187          |
| MCES Hopkins System Improvements           | 169  | 46              | Interceptor improvements                | \$ 17,215,278          |
| MCES Lift stations L7,L13,L30,L35,L66      | 187  | 45              | Lift stations improvements              | \$ 6,412,316           |
| MCES Mpls Interceptor 2                    | 127  | 51              | Interceptor improvements                | \$ 17,887,591          |
| MCES MWWTP Asset Renewal                   | 168  | 46              | Plant improvements                      | \$ 62,610,000          |
| MCES MWWTP Rehab & Facilities Imp          | 166  | 46              | Rehab treatment facilities              | \$ 23,014,315          |
| MCES MWWTP Solids Processing Improvements  | 167  | 46              | Solids processing improvements          | \$ 149,845,410         |
| MCES Seneca Area System Rehab              | 137  | 50              | System rehab                            | \$ 11,440,777          |
| MCES Seneca Solids Processing Improvements | 186  | 45              | Biosolids improvements                  | \$ 13,807,807          |
| MCES St Bonifacius LS/FM Rehab             | 176  | 46              | Rehab lift station and forcemain        | \$ 16,882,976          |
| MCES St Paul Interceptor                   | 177  | 46              | Rehab interceptor                       | \$ 45,600,000          |
| Meadowlands                                | 278  | 16              | Rehab existing system                   | \$ -                   |
| Menahga                                    | 248  | 33              | Rehab collection                        | \$ 1,180,000           |
| Minneapolis - Flow Meter                   | 31   | 71              | Plan/design meter improvements          | \$ 900,000             |
| Minneapolis - Inflow Disconnect            | 32   | 71              | Inflow disconnect from storm sewer      | \$ 6,600,000           |
| Minneapolis - MN320                        | 30   | 71              | Rehab collection                        | \$ 750,000             |
| Minneapolis - War Department Tunnel        | 170  | 46              | Rehab tunnel                            | \$ 550,000             |
| Minnehaha Creek WD - Stormwater            | 100  | 56              | Blake Road diversion and treatment area | \$ 2,546,386           |
| Minnesota Lake WTP                         | 106  | 56              | Decommission, connect to Wells          | \$ 1,560,000           |
| Minnetrista                                | 175  | 46              | Rehab collection, CIPP                  | \$ 711,000             |
| Moe Twp - Lobster Lake                     | 162  | 47              | Unsewered, potential SSTs               | \$ -                   |

| <b>Project Name</b>                         | <b>Rank</b> | <b>Priority Points</b> | <b>Project Description</b>                   | <b>Estimated Project Cost</b> |
|---|-------------|------------------------|--|-------------------------------|
| Montevideo                                  | 98          | 56                     | Rehab treatment - blower replacement         | \$ 600,000                    |
| Moorhead                                    | 194         | 44                     | Rehab collection, lift station               | \$ 770,000                    |
| Morgan                                      | 14          | 81                     | Rehab collection and treatment               | \$ 13,600,000                 |
| Morris - WTP                                | 119         | 53                     | Adv trmt - chlorides, new WTP                | \$ 18,381,820                 |
| Mountain Lake                               | 9           | 83                     | Adv trmt - phos, new WWTP                    | \$ 11,220,000                 |
| Murdock                                     | 179         | 46                     | Expand treatment, add pond                   | \$ 400,000                    |
| Nashwauk                                    | 196         | 43                     | Expand existing system                       | \$ 2,759,150                  |
| Nashwauk - Phase 2                          | 263         | 28                     | Rehab collection                             | \$ 1,243,275                  |
| New London                                  | 249         | 33                     | Rehab collection                             | \$ 449,900                    |
| Newport                                     | 60          | 61                     | Rehab collection                             | \$ 950,000                    |
| Nielsville                                  | 294         | 1                      | Rehab collection and pond                    | \$ -                          |
| Nisswa                                      | 190         | 45                     | Rehab/expand ponds, add subsurface discharge | \$ 2,872,795                  |
| Nobles County - Reading                     | 36          | 68                     | Unsewered, potential SSTS                    | \$ -                          |
| North St Paul - Stormwater                  | 70          | 59                     | Bioretention, infiltration basins            | \$ 250,000                    |
| Northern Twp - Birchmont Beach              | 222         | 39                     | Unsewered, potential SSTS                    | \$ 925,000                    |
| Northfield                                  | 270         | 24                     | Rehab/expand treatment                       | \$ 10,828,875                 |
| Northome                                    | 209         | 43                     | Rehab collection and treatment               | \$ 4,975,000                  |
| Onamia                                      | 226         | 38                     | Rehab collection                             | \$ 1,783,604                  |
| Oronoco - Area B                            | 53          | 63                     | Unsewered, connect to WWTP                   | \$ 6,865,384                  |
| Oronoco - Area C                            | 149         | 48                     | Unsewered, connect to WWTP                   | \$ 2,574,519                  |
| Oronoco - Area F                            | 151         | 48                     | Unsewered, connect to WWTP                   | \$ 3,310,096                  |
| Oronoco Twp - Sunset Bay                    | 224         | 38                     | Unsewered, potential SSTS                    | \$ -                          |
| Ortonville                                  | 48          | 65                     | Rehab collection                             | \$ 895,000                    |
| Ortonville - McCloud Street                 | 110         | 55                     | Rehab collection                             | \$ 367,500                    |
| Osakis                                      | 121         | 53                     | Rehab collection                             | \$ 725,200                    |
| Oslo  | 254         | 31                     | Rehab collection and pond                    | \$ 364,000                    |
| Ostrander                                   | 148         | 49                     | Rehab collection                             | \$ 1,340,000                  |
| Ottertail                                   | 295         | 1                      | Unsewered, potential SSTS                    | \$ 3,760,000                  |
| Palisade                                    | 286         | 8                      | Rehab collection, expand treatment           | \$ 830,000                    |
| Pelican Group of Lakes Improvement District | 296         | 1                      | Unsewered, collection and treatment          | \$ 16,949,850                 |
| Pelican Rapids                              | 55          | 63                     | Rehab collection, Ph 2                       | \$ 850,000                    |

| <b>Project Name</b>            | <b>Rank</b> | <b>Priority Points</b> | <b>Project Description</b>                       | <b>Estimated Project Cost</b> |
|--------------------------------|-------------|------------------------|--|-------------------------------|
| Pelican Rapids                 | 56          | 63                     | Rehab collection                                 | \$ 3,955,000                  |
| Pequot Lakes                   | 213         | 40                     | Rehab treatment                                  | \$ 1,850,000                  |
| Perham                         | 189         | 45                     | Sewer rehab, 2nd ave and 3rd street              | \$ 1,870,000                  |
| Pine City                      | 145         | 49                     | Rehab collection                                 | \$ 2,000,000                  |
| Pine Island                    | 71          | 59                     | Rehab collection                                 | \$ 1,268,000                  |
| Pipestone - WTP                | 34          | 68                     | Adv trmt - chlorides, new WTP                    | \$ 15,391,000                 |
| Pope County - Clearwater Bay   | 74          | 59                     | Unsewered, potential SSTS                        | \$ 732,434                    |
| Prior Lake - Rolling Oaks      | 266         | 27                     | Unsewered, sewer extension                       | \$ 142,042                    |
| Proctor                        | 13          | 81                     | Rehab collection                                 | \$ 1,250,000                  |
| Racine                         | 297         | 1                      | Rehab/expand existing system                     | \$ 520,000                    |
| Randolph                       | 165         | 46                     | Unsewered, potential SSTS                        | \$ 3,715,600                  |
| Red Lake Falls                 | 184         | 46                     | Rehab collection                                 | \$ 3,375,000                  |
| Redwood Falls                  | 72          | 59                     | Adv trmt - phos, rehab WWTF                      | \$ 16,130,000                 |
| Rice Lake                      | 10          | 81                     | Rehab collection, remove LS                      | \$ 328,296                    |
| Richmond                       | 215         | 39                     | Rehab collection                                 | \$ 573,000                    |
| Roscoe                         | 240         | 35                     | Adv trmt - nitrogen, recirculating gravel filter | \$ 2,022,000                  |
| Rose Creek                     | 260         | 29                     | Rehab collection                                 | \$ 621,925                    |
| Rush City                      | 76          | 58                     | Rehab collection                                 | \$ 863,688                    |
| Rutledge                       | 298         | 1                      | Unsewered, collection and treatment              | \$ 1,292,000                  |
| Sacred Heart                   | 15          | 81                     | Rehab collection                                 | \$ 2,509,000                  |
| Sacred Heart - Stormwater      | 274         | 21                     | Infiltration basin                               | \$ 891,000                    |
| Saint Cloud                    | 164         | 46                     | Adv trmt - phos, biosolids Improvements          | \$ 22,974,364                 |
| Saint Cloud - Interceptor      | 128         | 51                     | Rehab interceptor                                | \$ 7,500,000                  |
| Saint James                    | 44          | 66                     | Rehab collection                                 | \$ 2,900,000                  |
| Saint James - Stormwater       | 235         | 37                     | Treatment areas, park irrigation                 | \$ 3,600,000                  |
| Saint Leo                      | 117         | 53                     | Rehab collection                                 | \$ 750,000                    |
| Saint Louis County - Sand Lake | 239         | 35                     | Unsewered, potential SSTS                        | \$ -                          |
| Saint Martin                   | 152         | 48                     | Rehab/expand existing system                     | \$ 2,506,000                  |
| Saint Paul - Stormwater        | 197         | 43                     | West Side Flats                                  | \$ 18,000,000                 |
| Saint Stephen                  | 300         | 1                      | Unsewered, collection and treatment              | \$ 9,518,000                  |
| Sandstone                      | 116         | 53                     | Expand existing system                           | \$ 16,936,000                 |

| <b>Project Name</b>                | <b>Rank</b> | <b>Priority Points</b> | <b>Project Description</b>                      | <b>Estimated Project Cost</b> |
|------------------------------------|-------------|------------------------|---|-------------------------------|
| Scanlon                            | 8           | 83                     | Rehab collection                                | \$ 276,988                    |
| Sebeka                             | 238         | 35                     | Rehab collection                                | \$ 900,000                    |
| Shafer                             | 284         | 11                     | Expand WWTP                                     | \$ 1,865,600                  |
| Shakopee                           | 283         | 11                     | Unsewered, sewer extension                      | \$ -                          |
| Silver Bay                         | 89          | 57                     | Adv trmt - mercury, rehab treatment             | \$ 3,038,000                  |
| Silver Creek Twp - Castle Danger 2 | 299         | 1                      | Unsewered, connect to Silver Creek WWTP         | \$ 3,600,000                  |
| Silver Creek Twp - Stewart River   | 180         | 46                     | Unsewered, collection and treatment             | \$ 18,080,400                 |
| South Bend Twp                     | 262         | 28                     | Unsewered, connect to Mankato                   | \$ 3,556,000                  |
| Staples                            | 253         | 31                     | Adv trmt - phos, rehab treatment                | \$ 6,734,000                  |
| Steele County - Pratt              | 21          | 76                     | Unsewered, potential SSTS                       | \$ 650,570                    |
| Stephen                            | 223         | 38                     | Rehab/expand existing system                    | \$ 1,700,000                  |
| Stewart                            | 91          | 57                     | Rehab collection                                | \$ 1,400,000                  |
| Stewartville                       | 138         | 50                     | Adv trmt - phos, LS imp, EQ basin               | \$ 819,500                    |
| Tamarack                           | 282         | 13                     | Rehab treatment                                 | \$ -                          |
| Tintah                             | 267         | 25                     | Unsewered, potential SSTS                       | \$ -                          |
| Tower - Brietung Wastewater Board  | 90          | 57                     | Rehab collection and treatment                  | \$ 2,327,300                  |
| Tower - Hoo-Doo Point              | 280         | 15                     | Unsewered, connect to Tower                     | \$ 627,300                    |
| Tower - West T.H. 169              | 301         | 1                      | Unsewered, connect to Tower                     | \$ 787,000                    |
| Tracy                              | 4           | 88                     | Rehab collection, Ph 3                          | \$ 11,500,000                 |
| Trimont                            | 2           | 93                     | Adv trmt - phos, rehab collection and treatment | \$ 7,599,000                  |
| Trosky                             | 27          | 73                     | Unsewered, collection and treatment             | \$ 3,000,000                  |
| Twin Valley                        | 227         | 38                     | Rehab collection                                | \$ 460,000                    |
| Two Harbors                        | 212         | 42                     | Rehab main lift station                         | \$ 1,460,000                  |
| Villard Area Lakes SD              | 126         | 52                     | Unsewered, collection and treatment             | \$ 8,907,000                  |
| Waldorf                            | 58          | 61                     | Rehab collection                                | \$ 4,700,000                  |
| Walker                             | 109         | 55                     | Rehab collection                                | \$ 3,305,790                  |
| Walker                             | 111         | 55                     | Rehab collection                                | \$ 1,515,000                  |
| Walnut Grove                       | 20          | 76                     | Rehab collection and treatment                  | \$ 6,659,925                  |
| Warba                              | 208         | 43                     | Adv trmt - mercury, rehab collection and trmt   | \$ 2,278,000                  |
| Warroad                            | 203         | 43                     | Rehab/expand existing system                    | \$ 4,277,313                  |
| Waseca                             | 40          | 68                     | Rehab collection                                | \$ 3,430,315                  |

| <b>Project Name</b>                         | <b>Rank</b> | <b>Priority Points</b> | <b>Project Description</b>                 | <b>Estimated Project Cost</b> |
|---|-------------|------------------------|--|-------------------------------|
| Watertown                                   | 202         | 43                     | Rehab/expand existing system               | \$ 9,600,000                  |
| Waterville                                  | 155         | 48                     | Rehab collection                           | \$ 2,160,000                  |
| Waubun                                      | 83          | 58                     | Rehab collection                           | \$ 3,927,000                  |
| Waverly                                     | 122         | 53                     | Rehab collection Ph 2, N. Shore Drive      | \$ 1,941,206                  |
| Wells WTP                                   | 102         | 56                     | Adv trmt - chlorides, regional WTP         | \$ 12,000,000                 |
| Westbrook                                   | 302         | 1                      | Rehab/expand existing system               | \$ -                          |
| White Bear Twp                              | 236         | 36                     | Rehab collection                           | \$ 1,107,000                  |
| White Twp - Gardendale Utility Improv. Proj | 17          | 78                     | Rehab collection                           | \$ 316,800                    |
| Willmar                                     | 42          | 66                     | Rehab lift stations, Ph 2                  | \$ 1,575,000                  |
| Willow River                                | 142         | 49                     | Pond repairs                               | \$ 1,976,000                  |
| Windom                                      | 26          | 73                     | Adv trmt - phos/nitrogen, rehab collection | \$ 13,830,000                 |
| Winnebago                                   | 16          | 79                     | Rehab collection system in NW              | \$ 1,860,000                  |
| Winnebago - Stormwater                      | 178         | 46                     | Bioinfiltration swales and treatment area  | \$ 2,275,000                  |
| Winsted                                     | 246         | 33                     | Adv trmt - phos, LS improvements           | \$ 5,300,857                  |
| Winthrop                                    | 104         | 56                     | Rehab collection                           | \$ 1,125,332                  |
| WLSSD - Combined Heat and Power             | 96          | 56                     | Energy improvements                        | \$ 20,400,000                 |
| WLSSD - Conveyance System                   | 19          | 76                     | Rehab inteceptors and pump stations        | \$ 39,070,000                 |
| WLSSD - Interceptor Improvements            | 3           | 91                     | Rehab interceptors                         | \$ 6,134,000                  |
| WLSSD - Treatment Plant Imp 2               | 101         | 56                     | Rehab treatment                            | \$ 32,605,036                 |
| Wood Lake                                   | 6           | 83                     | Rehab collection and treatment             | \$ 8,401,000                  |
| Wrenshall                                   | 12          | 81                     | Rehab Pioneer Drive                        | \$ 90,000                     |
| Wright                                      | 163         | 47                     | Unsewered, collection and treatment        | \$ 1,600,000                  |
| Zumbro Township                             | 161         | 47                     | Unsewered, potential SSTs                  | \$ -                          |

| Community                               | MCES Service Area | County            | Population | Age of Treatment Facility (years) | Monthly Sewer Service Charge (based on 5,000 gallons/month usage) | Length of Sewer System (miles) | % of Sewer >50 years old | % of Sewer 30-50 years old | % of Sewer <30 years old |
|---|-------------------|-------------------|------------|-----------------------------------|---|--------------------------------|--------------------------|----------------------------|--------------------------|
| Ada                                     |                   | Norman            | 1,707      | 45                                | \$13  | 35                             | 40                       | 30                         | 30                       |
| Adams                                   |                   | Mower             | 787        | 27                                | \$30  | 5                              | 50                       | 35                         | 15                       |
| Adrian                                  |                   | Nobles            | 1,209      | 36                                | \$22  | 11                             | 60                       | 15                         | 25                       |
| Afton                                   |                   | Washington        | 2,886      |                                   |   |                                |                          |                            |                          |
| Aitkin                                  |                   | Aitkin            | 2,165      | 55                                | \$41  | 15                             | 30                       | 30                         | 40                       |
| Akeley                                  |                   | Hubbard           | 432        | 26                                | \$30  | 7                              | 0                        |                            | 100                      |
| Albany                                  |                   | Stearns           | 2,561      | 33                                | \$40  | 13                             | 40                       | 20                         | 40                       |
| Albert Lea                              |                   | Freeborn          | 18,016     | 34                                | \$32  | 108                            |                          |                            | 12                       |
| Alberta                                 |                   | Stevens           | 100        | 29                                | \$19  | 2                              |                          |                            | 100                      |
| Albertville                             |                   | Wright            | 7,262      | 12                                | \$22  | 34                             | 5                        | 10                         | 85                       |
| Alden                                   |                   | Freeborn          | 661        | 33                                | \$13  | 7                              | 86                       |                            | 14                       |
| Alexandria Lakes Area Sanitary District |                   | Douglas           | 23,500     | 10                                | \$28  | 225                            | 11                       | 44                         | 45                       |
| Alpha                                   |                   | Jackson           | 116        | 15                                | \$17  | 1                              |                          |                            | 100                      |
| Altura                                  |                   | Winona            | 493        | 38                                | \$30  | 4                              | 80                       | 20                         |                          |
| Alvarado                                |                   | Marshall          | 363        | 18                                | \$29  | 4                              |                          | 100                        |                          |
| Amboy                                   |                   | Blue Earth        | 534        | 28                                |   | 4                              | 0                        | 5                          | 95                       |
| Andover                                 | Yes               | Anoka             | 31,692     |                                   | \$20  | 95                             |                          | 50                         | 50                       |
| Annandale                               |                   | Wright            | 3,228      | 8                                 | \$95  | 32                             | 25                       | 25                         | 50                       |
| Anoka                                   | Yes               | Anoka             | 17,142     |                                   | \$19  | 67                             | 26                       | 31                         | 43                       |
| Appleton                                |                   | Swift             | 1,403      | 20                                | \$32  | 6                              | 50                       | 30                         | 20                       |
| Arco                                    |                   | Lincoln           | 75         | 27                                | \$27  | 2                              |                          |                            | 100                      |
| Arden Hills                             | Yes               | Ramsey            | 9,552      |                                   | \$45  | 46                             | 5                        | 70                         | 25                       |
| Argyle                                  |                   | Marshall          | 639        | 31                                | \$23  | 12                             |                          | 10                         | 90                       |
| Arlington                               |                   | Sibley            | 2,233      | 3                                 | \$45  | 38                             | 40                       | 30                         | 30                       |
| Ashby                                   |                   | Grant             | 446        | 30                                | \$62  | 5                              |                          | 1                          | 99                       |
| Askov                                   |                   | Pine              | 364        | 16                                | \$27  | 10                             |                          | 90                         | 10                       |
| Atwater                                 |                   | Kandiyohi         | 1,133      | 46                                | \$21  | 9                              | 5                        | 60                         | 35                       |
| Audubon                                 |                   | Becker            | 519        | 11                                |   | 6                              |                          | 50                         | 50                       |
| Austin                                  |                   | Mower             | 24,718     | 73                                | \$28  | 120                            | 70                       | 12                         | 18                       |
| Avoca                                   |                   |                   | 147        | 12                                | \$41  | 3                              | 0                        | 0                          | 100                      |
| Avon                                    |                   | Stearns           | 1,471      | 14                                |   | 10                             |                          | 47                         | 53                       |
| Avon                                    |                   | Stearns           | 1,471      | 14                                | \$32  | 10                             |                          | 47                         | 53                       |
| Babbitt                                 |                   | St. Louis         | 1,505      | 39                                | \$39  | 11                             | 90                       | 7                          | 3                        |
| Backus                                  |                   | Cass              | 250        |                                   | \$40  | 10                             |                          |                            | 100                      |
| Bagley                                  |                   | Clearwater        | 1,475      | 17                                |   | 10                             |                          | 20                         | 15                       |
| Balaton                                 |                   | Lyon              | 643        | 26                                | \$26  | 6                              |                          | 80                         | 20                       |
| Barnesville                             |                   | Clay              | 2,563      | 11                                | \$50  | 14                             | 50                       | 30                         | 20                       |
| Barnum                                  |                   | Carlton           | 613        | 23                                | \$27  | 10                             |                          |                            | 100                      |
| Barrett                                 |                   | Grant             | 415        | 18                                | \$16  | 4                              | 50                       | 15                         | 35                       |
| Battle Lake                             |                   | Otter Tail        | 891        | 28                                | \$40  | 7                              | 20                       | 0                          | 80                       |
| Baudette                                |                   | Lake of the Woods | 1,106      | 43                                | \$32  | 12                             | 38                       | 37                         | 25                       |
| Baxter                                  |                   | Crow Wing         | 7,610      |                                   | \$35  | 74                             |                          |                            | 100                      |
| Bayport                                 | Yes               | Washington        | 3,704      |                                   | \$17  | 13                             | 70                       | 10                         | 20                       |
| Beardsley                               |                   | Big Stone         | 235        | 39                                | \$10  | 4                              |                          | 100                        |                          |
| Beaver Bay                              |                   | Lake              | 181        | 34                                | \$36  | 5                              |                          | 50                         | 50                       |
| Beaver Creek                            |                   | Rock              | 297        | 15                                | \$30  | 2                              |                          | 50                         | 50                       |
| Becker                                  |                   | Sherburne         | 4,538      | 9                                 | \$31  | 34                             |                          | 50                         | 50                       |
| Bejou                                   |                   | Mahnomen          | 89         | 11                                | \$13  | 2                              |                          |                            | 100                      |
| Belgrade                                |                   | Stearns           | 740        | 34                                | \$35  | 14                             |                          |                            | 100                      |
| Belle Plaine                            |                   | Scott             | 6,838      | 15                                | \$31  | 36                             |                          | 18                         | 82                       |
| Bellechester                            |                   | Goodhue/ Wabasha  | 175        | 25                                |   | 3                              |                          | 90                         | 10                       |
| Beltrami                                |                   | Polk              | 107        |                                   |   |                                |                          |                            |                          |
| Belview                                 |                   | Redwood           | 384        | 26                                | \$35  | 3                              | 98                       |                            | 2                        |
| Bemidji                                 |                   | Beltrami          | 13,431     | 32                                | \$36  | 90                             | 25                       | 25                         | 50                       |
| Benson                                  |                   | Swift             | 3,240      |                                   | \$32  | 28                             | 45                       | 25                         | 30                       |
| Bertha                                  |                   | Todd              | 497        | 4                                 | \$42  | 4                              |                          |                            | 100                      |

| Community                                  | MCES Service Area | County          | Population | Age of Treatment Facility (years) | Monthly Sewer Service Charge (based on 5,000 gallons/month usage) | Length of Sewer System (miles) | % of Sewer >50 years old | % of Sewer 30-50 years old | % of Sewer <30 years old |
|--|-------------------|-----------------|------------|-----------------------------------|---|--------------------------------|--------------------------|----------------------------|--------------------------|
| Bethel                                     |                   | Anoka           | 466        | 25                                | \$35  | 3                              |                          |                            | 100                      |
| Big Falls                                  |                   | Koochiching     | 235        | 53                                | \$39  | 4                              |                          | 50                         | 50                       |
| Bigelow                                    |                   | Nobles          | 235        | 9                                 |   | 3                              |                          |                            | 100                      |
| Bigfork                                    |                   | Itasca          | 446        | 21                                |   | 4                              |                          | 55                         | 45                       |
| Bingham Lake                               |                   | Cottonwood      | 126        |                                   | \$30  | 8                              |                          |                            | 100                      |
| Birchwood                                  | Yes               | Washington      | 870        |                                   |   | 5                              |                          | 75                         | 25                       |
| Bird Island                                |                   | Renville        | 1,042      | 40                                | \$31  | 10                             | 0                        | 2                          | 98                       |
| Biwabik                                    |                   | St. Louis       | 969        | 28                                | \$40  | 25                             |                          | 30                         | 70                       |
| Blackduck                                  |                   | Beltrami        | 785        | 25                                |   | 9                              |                          | 50                         | 25                       |
| Blaine                                     | Yes               | Anoka           | 43,630     |                                   | \$17  | 237                            |                          | 16                         | 84                       |
| Blomkest/Svea Sewer Board                  |                   | Kandiyohi       | 328        | 5                                 | \$71  | 6                              | 0                        | 0                          | 100                      |
| Blooming Prairie                           |                   | Steele          | 1,996      | 25                                | \$20  | 19                             | 34                       | 34                         | 32                       |
| Bloomington                                | Yes               | Hennepin        | 87,224     |                                   | \$14  | 355                            | 65                       | 30                         | 5                        |
| Blue Earth                                 |                   | Faribault       | 3,353      | 25                                | \$25  | 26                             | 30                       | 30                         | 40                       |
| Bluffton                                   |                   | Ottertail       | 207        |                                   |   | 2                              |                          | 100                        |                          |
| Bock                                       |                   | Mille Lacs      | 106        |                                   | \$45  | 2                              |                          |                            | 100                      |
| Borup                                      |                   | Norman          | 91         | 47                                | \$11  | 2                              | 0                        | 100                        | 0                        |
| Bovey                                      |                   | Itasca          | 804        |                                   | \$56  | 5                              | 22                       | 8                          | 70                       |
| Boyd                                       |                   | Lac Qui Parle   | 175        |                                   | \$35  | 2                              |                          |                            | 100                      |
| Braham                                     |                   | Isanti          | 1,796      | 4                                 | \$43  | 10                             | 85                       | 10                         | 5                        |
| Brainerd                                   |                   | Crow Wing       | 13,590     | 7                                 | \$41  | 80                             | 48                       | 22                         | 30                       |
| Brandon                                    |                   | Douglas         | 489        | 30                                |   | 4                              |                          | 31                         | 69                       |
| Breckenridge                               |                   | Wilkin          | 3,340      | 7                                 | \$21  | 17                             | 40                       | 40                         | 20                       |
| Breezy Point                               |                   | Crow Wing       | 2,406      | 39                                | \$70  | 12                             |                          | 50                         | 50                       |
| Brewster                                   |                   | Nobles          | 473        | 14                                | \$20  | 4                              | 0                        | 90                         | 10                       |
| Bricelyn                                   |                   | Faribault       | 365        | 40                                | \$36  | 2                              | 85                       | 0                          | 15                       |
| Brook Park                                 |                   | Pine            | 139        |                                   |   |                                |                          |                            |                          |
| Brooklyn Center                            | Yes               | Hennepin        | 30,104     |                                   | \$27  | 106                            | 33                       | 10                         | 57                       |
| Brooklyn Park                              | Yes               | Hennepin        | 81,000     |                                   | \$18  | 259                            | 17                       | 46                         | 37                       |
| Brooten                                    |                   | Stearns         | 745        | 6                                 |   | 4                              |                          | 90                         | 10                       |
| Browerville                                |                   | Todd            | 790        | 27                                | \$26  | 8                              | 30                       | 9                          | 61                       |
| Browns Valley                              |                   | Traverse        | 589        | 28                                | \$45  | 6                              | 0                        | 0                          | 100                      |
| Brownsville                                |                   | Houston         | 466        | 9                                 | \$37  | 2                              | 0                        | 90                         | 10                       |
| Brownton                                   |                   | McLeod          | 762        | 46                                | \$40  | 6                              |                          | 95                         | 5                        |
| Buckman                                    |                   |                 | 270        |                                   | \$40  | 4                              |                          |                            | 100                      |
| Buffalo                                    |                   | Wright          | 15,453     | 21                                | \$35  | 97                             | 8                        | 16                         | 76                       |
| Buffalo Lake                               |                   | Renville        | 702        | 32                                | \$20  | 12                             |                          | 80                         | 20                       |
| Burnsville                                 | Yes               | Dakota          | 60,306     |                                   | \$21  | 242                            | 4                        | 56                         | 40                       |
| Byron                                      |                   | Olmsted         | 5,392      | 13                                | \$45  | 31                             | 10                       | 25                         | 65                       |
| Callaway                                   |                   | Becker          | 234        | 22                                | \$18  | 2                              | 40                       | 25                         | 35                       |
| Calumet                                    |                   | Itasca          | 367        |                                   | \$41  | 5                              | 10                       | 30                         | 60                       |
| Cambridge                                  |                   | Isanti          | 8,222      | 2                                 | \$44  | 55                             |                          | 35                         | 65                       |
| Campbell                                   |                   | Wilkin          | 158        | 44                                |   | 2                              |                          | 100                        |                          |
| Canby                                      |                   | Yellow Medicine | 1,795      | 24                                | \$23  | 13                             |                          | 20                         | 80                       |
| Cannon Falls                               |                   | Goodhue         | 4,083      | 16                                | \$47  | 30                             | 10                       | 25                         | 65                       |
| Canton                                     |                   | Fillmore        | 346        | 12                                | \$33  | 3                              | 92                       |                            | 8                        |
| Carlos                                     |                   | Douglas         | 502        | 28                                | \$25  | 6                              |                          | 50                         | 50                       |
| Carlton                                    |                   | Carlton         | 1,021      |                                   | \$22  | 6                              | 40                       | 10                         | 50                       |
| Carver                                     | Yes               | Carver          | 4,400      |                                   | \$36  | 67                             | 0                        | 0                          | 100                      |
| Cass Lake                                  |                   | Cass            | 770        | 27                                |   | 10                             | 25                       | 25                         | 50                       |
| Cedar Mills                                |                   | Meeker          | 45         | 9                                 | \$74  | 1                              |                          |                            | 100                      |
| Center City                                |                   | Chisago         | 626        |                                   | \$30  | 3                              |                          | 80                         | 20                       |
| Centerville                                | Yes               | Anoka           | 3,792      |                                   | \$39  | 19                             |                          | 20                         | 80                       |
| Central Iron Range Sanitary Sewer District |                   |                 |            |                                   |   |                                |                          |                            |                          |
| Ceylon                                     |                   | Martin          | 369        | 27                                | \$18  | 5                              |                          | 100                        |                          |
| Champlin                                   | Yes               | Hennepin        | 24,010     |                                   |   | 72                             |                          | 25                         | 75                       |

| Community                                       | MCES Service Area | County           | Population | Age of Treatment Facility (years) | Monthly Sewer Service Charge (based on 5,000 gallons/month usage) | Length of Sewer System (miles) | % of Sewer >50 years old | % of Sewer 30-50 years old | % of Sewer <30 years old |
|---|-------------------|------------------|------------|-----------------------------------|---|--------------------------------|--------------------------|----------------------------|--------------------------|
| Chandler  |                   | Murray           | 270        | 14                                | \$33  | 4                              | 20                       | 30                         | 50                       |
| Chanhasen                                       | Yes               | Carver           | 23,484     |                                   | \$39  | 135                            | 2                        | 27                         | 71                       |
| Chaska  | Yes               | Carver           | 23,770     |                                   |   | 150                            | 15                       | 30                         | 55                       |
| Chatfield                                       |                   | Fillmore/Olmsted | 2,829      | 7                                 | \$59  | 18                             | 63                       | 16                         | 21                       |
| Chickamaw Beach                                 |                   | Cass             | 114        |                                   |   | 2                              |                          |                            | 100                      |
| Chisago City                                    |                   | Chisago          | 5,272      |                                   |   | 28                             | 20                       | 45                         | 35                       |
| Chisago Lakes Joint Sewage Treatment Commission |                   |                  |            |                                   |   |                                |                          |                            |                          |
| Chisholm  |                   | St Louis         | 5,006      |                                   | \$56  | 21                             | 53                       | 15                         | 32                       |
| Chokio  |                   | Steven           | 400        | 13                                |   | 4                              |                          |                            | 100                      |
| Circle Pines                                    | Yes               | Anoka            | 5,014      |                                   | \$35  | 16                             | 0                        | 60                         | 40                       |
| Clara City                                      |                   | Chippewa         | 1,360      | 19                                | \$55  | 27                             | 45                       | 30                         | 25                       |
| Claremont                                       |                   | Dodge            | 548        | 11                                | \$27  | 4                              |                          | 3                          | 97                       |
| Clarissa  |                   | Todd             | 681        | 28                                | \$44  | 6                              | 15                       | 40                         | 45                       |
| Clarkfield                                      |                   | Yellow Medicine  | 840        | 44                                | \$21  | 18                             | 60                       | 20                         | 20                       |
| Clarks Grove                                    |                   | Freeborn         | 706        | 49                                | \$19  | 3                              |                          | 70                         | 30                       |
| Clear Lake                                      |                   | Sherburne        | 550        |                                   | \$100   | 5                              |                          | 51                         | 49                       |
| Clearbrook                                      |                   | Clearwater       | 518        | 26                                | \$32  | 5                              |                          | 7                          | 26                       |
| Clearwater                                      |                   | Wright           | 1,735      |                                   | \$56  | 9                              | 0                        | 60                         | 40                       |
| Cleveland                                       |                   | LeSueur          | 719        | 28                                | \$44  | 10                             | 16                       | 50                         | 34                       |
| Climax  |                   | Polk             | 267        | 49                                | \$47  | 2                              | 60                       | 35                         | 5                        |
| Clinton   |                   | Big Stone        | 420        | 12                                | \$31  | 5                              |                          | 25                         | 75                       |
| Clontarf  |                   | Swift            | 159        | 12                                | \$17  | 2                              | 0                        | 0                          | 100                      |
| Cloquet   |                   | Carlton          | 12,124     |                                   | \$32  | 56                             |                          | 14                         | 41                       |
| Coates  |                   | Dakota           | 161        |                                   |   |                                |                          |                            |                          |
| Cohasset  |                   | Itasca           | 2,757      |                                   | \$45  | 13                             | 0                        | 20                         | 80                       |
| Cokato  |                   | Wright           | 2,694      | 21                                |   | 18                             | 50                       | 40                         | 10                       |
| Cokato  |                   | Wright           | 2,694      | 22                                | \$24  | 18                             | 50                       | 40                         | 10                       |
| Cold Spring                                     |                   | Stearns          | 4,063      | 13                                | \$48  | 30                             |                          | 20                         | 80                       |
| Coleraine                                       |                   | Itasca           | 2,002      |                                   | \$25  | 7                              | 80                       | 10                         | 10                       |
| Coleraine, Bovey Taconite Joint WW Commission   |                   |                  |            |                                   |   |                                |                          |                            |                          |
| Cologne   |                   | Carver           | 1,519      | 20                                | \$49  | 9                              |                          | 60                         | 40                       |
| Columbia Heights                                | Yes               | Anoka            | 19,496     |                                   | \$22  | 61                             | 47                       | 49                         | 4                        |
| Comfrey   |                   | Brown            | 382        | 6                                 | \$33  | 11                             | 20                       |                            | 80                       |
| Comstock  |                   | Clay             | 100        | 11                                | \$49  | 2                              |                          | 100                        |                          |
| Cook  |                   | St. Louis        | 574        | 30                                | \$34  | 6                              |                          | 1                          | 99                       |
| Coon Rapids                                     | Yes               | Anoka            | 61,476     |                                   | \$25  | 244                            | 23                       | 56                         | 22                       |
| Corcoran  |                   | Hennepin         | 5,512      |                                   | \$50  | 2                              |                          |                            | 100                      |
| Correll   |                   | Big Stone        | 34         |                                   |   |                                |                          |                            |                          |
| Cosmos  |                   | Meeker           | 473        | 40                                | \$20  | 5                              |                          | 85                         | 15                       |
| Cottonwood                                      |                   | Lyon             | 1,212      | 37                                | \$42  | 8                              | 43                       | 16                         | 41                       |
| Courtland                                       |                   | Nicollet         | 611        |                                   | \$57  | 15                             |                          |                            | 100                      |
| Crane Lake Water and Sanitary District          |                   | St. Louis        | 150        | 12                                | \$80  | 9                              | 0                        | 0                          | 100                      |
| Cromwell  |                   | Carlton          | 234        | 29                                | \$40  | 3                              |                          | 25                         | 75                       |
| Crookston                                       |                   | Polk             | 7,891      | 47                                |   | 44                             | 60                       | 25                         | 15                       |
| Crosby  |                   | Crow Wing        | 2,386      |                                   | \$73  | 13                             | 80                       | 5                          | 15                       |
| Crystal   | Yes               | Hennepin         | 22,151     |                                   | \$18  | 88                             | 95                       | 0                          | 5                        |
| Currie  |                   | Murray           | 233        | 11                                | \$32  | 2                              | 50                       |                            | 50                       |
| Cyrus   |                   | Pope             | 288        | 30                                | \$20  | 3                              | 65                       | 10                         | 25                       |
| Dakota  |                   | Winona           | 323        |                                   |   |                                |                          |                            |                          |
| Dalton  |                   | Otter Tail       | 253        | 45                                | \$25  | 3                              | 0                        | 90                         | 10                       |
| Danube  |                   | Renville         | 505        | 40                                |   | 4                              |                          | 100                        |                          |
| Danvers   |                   | Swift            | 97         | 16                                | \$21  | 5                              |                          |                            | 100                      |
| Darfur  |                   | Watsonwan        | 108        | 16                                | \$40  | 1                              |                          |                            | 100                      |
| Darwin  |                   | Meeker           | 350        | 54                                | \$30  | 2                              | 60                       | 25                         | 15                       |

| Community        | MCES Service Area | County          | Population | Age of Treatment Facility (years) | Monthly Sewer Service Charge (based on 5,000 gallons/month usage) | Length of Sewer System (miles) | % of Sewer >50 years old | % of Sewer 30-50 years old | % of Sewer <30 years old |
|------------------|-------------------|-----------------|------------|-----------------------------------|---|--------------------------------|--------------------------|----------------------------|--------------------------|
| Dassel           |                   | Meeker          | 1,469      | 25                                | \$54  | 12                             | 20                       | 30                         | 50                       |
| Dawson           |                   | Lac qui Parle   | 1,540      | 13                                | \$45  | 12                             | 50                       | 35                         | 15                       |
| Dayton           | Yes               | Hennepin/Wright | 5,011      |                                   | \$22  | 33                             |                          |                            | 100                      |
| Deephaven        | Yes               | Hennepin        | 3,677      |                                   | \$32  | 32                             |                          | 100                        |                          |
| Deer Creek       |                   | Otter Tail      | 327        | 49                                | \$30  | 5                              |                          | 75                         | 25                       |
| Deer River       |                   | Itasca          | 937        | 27                                | \$47  | 7                              | 45                       | 25                         | 30                       |
| Delavan          |                   | FARIBAULT       | 180        | 13                                | \$65  | 3                              |                          |                            | 100                      |
| Dellwood         |                   | Washington      | 1,063      |                                   |   |                                |                          |                            |                          |
| Denham           |                   | Pine            | 35         |                                   |   |                                |                          |                            |                          |
| Dennison         |                   | Goodhue         | 172        | 25                                | \$37  | 1                              |                          | 45                         | 55                       |
| Dent             |                   | Otter Tail      | 192        | 9                                 | \$25  | 2                              |                          | 90                         | 10                       |
| Detroit Lakes    |                   | Becker          | 9,500      | 30                                | \$60  | 95                             | 10                       | 30                         | 60                       |
| Dexter           |                   | Mower           | 345        | 48                                | \$8   | 4                              | 80                       |                            | 20                       |
| Dilworth         |                   | Clay            | 4,475      |                                   | \$29  | 21                             | 40                       | 10                         | 50                       |
| Dodge Center     |                   | Dodge           | 2,670      | 26                                | \$30  | 16                             | 25                       | 30                         | 45                       |
| Donnelly         |                   | Stevens         | 240        | 31                                | \$32  | 3                              | 0                        | 100                        | 0                        |
| Doran            |                   | Wilkin          | 55         |                                   | \$38  | 0                              | 0                        | 0                          | 100                      |
| Dovray           |                   | Murray          | 53         | 10                                | \$40  | 1                              |                          |                            | 100                      |
| Duluth           |                   | St. Louis       | 86,211     |                                   | \$39  | 398                            | 60                       | 19                         | 21                       |
| Dumont           |                   | Traverse        | 100        | 13                                | \$45  | 1                              |                          |                            | 100                      |
| Dundas           |                   | Rice            | 1,423      |                                   | \$98  | 11                             |                          |                            | 100                      |
| Dunnell          |                   | Martin          | 167        | 10                                | \$35  | 2                              |                          |                            | 100                      |
| Eagan            | Yes               | Dakota          | 66,301     |                                   | \$32  | 280                            | 3                        | 47                         | 50                       |
| Eagle Bend       |                   | Todd            | 535        | 10                                | \$32  | 6                              | 35                       | 10                         | 55                       |
| Eagle Lake       |                   | Blue Earth      | 2,450      |                                   | \$65  | 30                             |                          | 40                         | 60                       |
| East Bethel      | Yes               | Anoka           | 11,626     |                                   | \$31  | 8                              |                          |                            | 100                      |
| East Grand Forks |                   | Polk            | 8,601      | 58                                | \$43  | 45                             | 20                       | 50                         | 30                       |
| East Gull Lake   |                   | Cass            | 1,004      | 26                                | \$35  | 6                              |                          |                            | 100                      |
| Easton           |                   | Faribault       | 199        |                                   |   | 2                              |                          |                            | 10                       |
| Echo             |                   | Yellow Medicine | 269        | 25                                | \$32  | 5                              |                          |                            | 50                       |
| Eden Prairie     | Yes               | Hennepin        | 62,729     |                                   | \$18  | 264                            |                          | 39                         | 61                       |
| Eden Valley      |                   | Meeker, Stearns | 1,042      | 35                                | \$50  | 8                              | 18                       | 46                         | 36                       |
| Edgerton         |                   | Pipestone       | 1,189      | 44                                | \$14  | 66                             | 30                       | 40                         | 30                       |
| Edina            | Yes               | Hennepin        | 47,941     |                                   | \$20  | 200                            | 50                       | 30                         | 20                       |
| Effie            |                   | Itasca          | 123        | 8                                 |   | 2                              |                          |                            | 100                      |
| Eitzen           |                   | Houston         | 243        | 28                                | \$15  | 3                              |                          |                            | 100                      |
| Elba             |                   | Winona          | 152        |                                   |   |                                |                          |                            |                          |
| Elbow Lake       |                   | Grant           | 1,176      | 35                                | \$34  |                                | 0                        | 5                          | 95                       |
| Elgin            |                   | Wabasha         | 1,089      |                                   |   | 4                              |                          | 30                         | 35                       |
| Elizabeth        |                   | Otter Tail      | 177        | 38                                | \$10  | 2                              |                          | 100                        |                          |
| Elk River        |                   | Sherburne       | 23,147     | 1                                 | \$22  | 79                             | 5                        | 40                         | 55                       |
| Elko New Market  | Yes               | Scott           | 4,750      |                                   | \$49  | 18                             |                          |                            | 100                      |
| Elmore           |                   | Faribault       | 663        | 3                                 | \$25  | 1                              |                          | 50                         | 50                       |
| Ely              |                   | St. Louis       | 3,460      | 15                                | \$45  | 32                             | 37                       | 40                         | 23                       |
| Elysian          |                   | Le Sueur/Waseca | 652        | 20                                | \$40  | 7                              |                          | 90                         | 10                       |
| Empire Township  | Yes               | Dakota          |            |                                   | \$14  | 11                             | 0                        | 25                         | 75                       |
| Erhard           |                   | Ottertail       | 146        |                                   |   |                                |                          |                            |                          |
| Erskine          |                   | Polk            | 503        | 48                                | \$27  | 8                              |                          | 80                         | 20                       |
| Evansville       |                   | Douglas         | 612        | 18                                | \$33  | 4                              | 0                        | 5                          | 95                       |
| Eveleth          |                   | St Louis        | 3,718      | 12                                | \$10  | 23                             | 62                       | 10                         | 28                       |
| Excelsior        | Yes               | Hennepin        | 2,188      |                                   | \$35  | 13                             |                          | 15                         | 5                        |
| Eyota            |                   | Olmsted         | 2,034      |                                   | \$31  | 10                             |                          | 40                         | 60                       |
| Fairfax          |                   | Renville        | 1,200      | 21                                | \$32  | 10                             | 25                       | 28                         | 47                       |
| Fairmont         |                   | Martin          | 10,666     | 9                                 | \$36  | 75                             | 46                       | 31                         | 23                       |
| Falcon Heights   | Yes               | Ramsey          | 5,321      |                                   | \$22  | 15                             |                          | 10                         | 15                       |
| Faribault        |                   | Rice            | 23,352     | 6                                 | \$27  | 126                            | 34                       | 19                         | 47                       |

| Community  | MCES Service Area | County                     | Population | Age of Treatment Facility (years) | Monthly Sewer Service Charge (based on 5,000 gallons/month usage) | Length of Sewer System (miles) | % of Sewer >50 years old | % of Sewer 30-50 years old | % of Sewer <30 years old |
|--|-------------------|----------------------------|------------|-----------------------------------|---|--------------------------------|--------------------------|----------------------------|--------------------------|
| Farwell/Kensington Sanitary District             |                   | Douglas                    | 343        | 13                                |   | 8                              |                          |                            | 100                      |
| Federal Dam                                      |                   | Cass                       | 110        | 12                                | \$31  | 4                              | 0                        | 0                          | 100                      |
| Felton   |                   | Clay                       | 177        | 2                                 | \$25  | 1                              | 20                       | 79                         | 1                        |
| Fergus Falls                                     |                   | Otter Tail                 | 13,351     | 32                                |   | 90                             | 40                       | 18                         | 42                       |
| Fertile  |                   | Polk                       | 842        | 27                                | \$12  | 4                              |                          | 70                         | 30                       |
| Finlayson  |                   | Pine                       | 315        | 37                                | \$22  | 5                              |                          | 100                        |                          |
| Fisher   |                   | Polk                       | 435        | 10                                | \$36  | 3                              |                          | 85                         | 15                       |
| Flensburg  |                   | Morrison                   | 225        | 30                                |   | 2                              | 50                       | 50                         |                          |
| Floodwood  |                   | St Louis                   | 528        | 48                                | \$35  | 6                              | 50                       |                            | 50                       |
| Florence   |                   | Lyon                       | 39         |                                   |   |                                |                          |                            |                          |
| Foley  |                   | Benton                     | 2,603      | 27                                | \$20  | 17                             | 20                       | 30                         | 50                       |
| Forest Lake                                      | Yes               | Washington                 | 19,132     |                                   | \$32  | 91                             | 30                       | 50                         | 20                       |
| Foreston   |                   | Foreston                   | 533        | 30                                | \$35  | 3                              |                          | 100                        |                          |
| Fosston  |                   | Polk                       | 1,527      | 4                                 | \$46  | 13                             | 55                       | 25                         | 20                       |
| Fountain   |                   | Fillmore                   | 410        | 7                                 | \$64  | 9                              |                          |                            | 100                      |
| Franklin   |                   | Renville                   | 510        | 45                                | \$52  | 5                              | 20                       | 10                         | 70                       |
| Freeborn   |                   | Freeborn                   | 297        | 38                                | \$32  | 8                              |                          | 50                         | 50                       |
| Fridley  | Yes               | Anoka                      | 27,208     |                                   | \$25  | 110                            |                          | 70                         | 20                       |
| Frost  |                   | Faribault                  | 198        | 16                                | \$48  | 6                              |                          |                            | 100                      |
| Fulda  |                   | Murray                     | 1,318      | 48                                | \$13  | 10                             | 30                       | 45                         | 25                       |
| Garfield   |                   | Douglas                    | 354        | 6                                 | \$35  | 2                              | 1                        | 1                          | 98                       |
| Garrison Kathio W. Mille Lacs Lake Sanitary Dist |                   |                            |            |                                   |   |                                |                          |                            |                          |
| Garvin   |                   | Lyon                       | 117        | 11                                | \$40  | 2                              | 0                        | 0                          | 100                      |
| Gary   |                   | Norman                     | 214        | 5                                 |   | 5                              | 0                        | 0                          | 100                      |
| Gaylord  |                   | Sibley                     | 2,305      | 31                                | \$28  | 17                             | 15                       | 30                         | 55                       |
| GEM Sanitary District                            |                   |                            |            |                                   |   |                                |                          |                            |                          |
| Geneva   |                   | Freeborn                   | 555        | 44                                | \$35  |                                |                          | 100                        |                          |
| Georgetown                                       |                   | Clay                       | 100        | 37                                | \$15  | 2                              | 0                        | 100                        | 0                        |
| Ghent  |                   | Lyon                       | 364        | 45                                | \$31  | 3                              | 30                       | 45                         | 25                       |
| Gibbon   |                   | Sibley                     | 772        | 50                                | \$16  | 8                              | 40                       | 40                         | 20                       |
| Gilbert  |                   | St Louis                   | 1,799      | 35                                | \$48  | 38                             | 20                       | 40                         | 40                       |
| Gilman   |                   | Benton                     | 224        | 53                                | \$40  | 4                              |                          | 90                         | 10                       |
| Glencoe  |                   | McLeod                     | 5,540      | 26                                | \$28  | 37                             | 8                        | 47                         | 45                       |
| Glenville  |                   | Freeborn                   | 643        | 43                                | \$18  | 4                              |                          | 95                         | 5                        |
| Glenwood   |                   | Pope                       | 2,564      | 31                                | \$40  | 21                             | 70                       | 15                         | 15                       |
| Glyndon  |                   | Clay                       | 1,413      | 25                                | \$46  | 8                              |                          | 23                         | 77                       |
| Golden Valley                                    | Yes               | Hennepin                   | 20,845     |                                   |   | 120                            | 80                       | 10                         | 10                       |
| Gonvick  |                   | Clearwater                 | 287        | 3                                 | \$30  | 3                              | 0                        | 99                         | 1                        |
| Good Thunder                                     |                   | Blue Earth                 | 583        | 15                                | \$23  | 6                              | 80                       | 10                         | 10                       |
| Goodhue  |                   | Goodhue                    | 1,176      | 33                                | \$27  | 6                              |                          | 60                         | 40                       |
| Goodview   |                   | Winona                     | 4,064      |                                   | \$23  | 23                             |                          | 30                         | 70                       |
| Graceville                                       |                   | Big Stone                  | 565        | 57                                | \$40  | 5                              | 0                        | 0                          | 100                      |
| Granada  |                   | Martin                     | 303        | 35                                |   | 7                              |                          |                            | 100                      |
| Grand Marais                                     |                   | Cook                       | 1,351      | 29                                | \$75  | 16                             | 20                       | 45                         | 35                       |
| Grand Meadow                                     |                   | Mower                      | 1,139      | 47                                | \$30  | 10                             | 1                        | 43                         | 56                       |
| Grand Rapids                                     |                   | Itasca                     | 10,869     | 6                                 | \$24  | 68                             | 30                       | 30                         | 40                       |
| Granite Falls                                    |                   | Yellow Medicine & Chippewa | 2,897      | 27                                | \$16  | 22                             | 45                       | 10                         | 45                       |
| Grant  |                   | Washington                 | 4,096      |                                   |   |                                |                          |                            |                          |
| Grasston   |                   | Kanabec                    | 158        | 45                                | \$30  | 2                              | 0                        | 90                         | 10                       |
| Green Isle                                       |                   | Sibley                     | 559        |                                   | \$45  | 19                             |                          |                            | 100                      |
| Greenbush  |                   | Roseau                     | 719        | 45                                | \$25  | 6                              | 48                       | 25                         | 27                       |
| Greenfield                                       | Yes               | Hennepin                   | 2,777      | 16                                | \$41  | 4                              |                          |                            | 100                      |
| Greenwood  | Yes               | Hennepin                   | 688        |                                   |   |                                |                          |                            |                          |
| Greenwood  |                   | Hennepin                   | 688        |                                   | \$22  | 6                              |                          | 100                        |                          |
| Grey Eagle                                       |                   | Todd                       | 348        | 18                                | \$35  | 4                              | 90                       |                            | 10                       |

| Community           | MCES Service Area | County          | Population | Age of Treatment Facility (years) | Monthly Sewer Service Charge (based on 5,000 gallons/month usage) | Length of Sewer System (miles) | % of Sewer >50 years old | % of Sewer 30-50 years old | % of Sewer <30 years old |
|---------------------|-------------------|-----------------|------------|-----------------------------------|---|--------------------------------|--------------------------|----------------------------|--------------------------|
| Grove City          |                   | Meeker          | 635        | 60                                | \$53  | 8                              | 40                       | 25                         | 35                       |
| Grygla              |                   | Marshall        | 221        | 34                                |   | 3                              |                          | 100                        |                          |
| Gully               |                   | Polk            | 66         |                                   |   |                                |                          |                            |                          |
| Hallock             |                   | Kittson         | 981        | 42                                | \$15  | 18                             | 77                       | 8                          | 15                       |
| Halstad             |                   | Norman          | 597        | 48                                | \$24  | 5                              |                          | 20                         | 80                       |
| Hamburg             |                   | Carver          | 513        | 38                                | \$23  | 4                              | 0                        | 80                         | 20                       |
| Hammond             |                   | Wabasha         | 132        |                                   | \$42  | 2                              | 0                        | 0                          | 100                      |
| Hampton             |                   | Dakota          | 689        | 29                                |   | 3                              |                          | 35                         | 65                       |
| Hanley Falls        |                   | Yellow Medicine | 304        | 39                                | \$47  | 4                              | 60                       | 10                         | 30                       |
| Hanover             |                   | Wright/Hennepin | 3,042      |                                   | \$30  | 17                             | 0                        | 0                          | 100                      |
| Hanska              |                   | Brown           | 393        | 39                                | \$13  | 3                              |                          | 100                        |                          |
| Hardwick            |                   | Rock            | 198        | 45                                |   | 2                              |                          | 95                         | 5                        |
| Harmony             |                   | Fillmore        | 1,020      | 24                                | \$56  | 6                              | 80                       | 15                         | 5                        |
| Harris              |                   | Chisago         | 1,132      | 9                                 | \$63  | 3                              |                          | 100                        |                          |
| Hastings            | Yes               | Dakota          | 23,000     |                                   | \$23  | 89                             | 20                       | 22                         | 58                       |
| Hatfield            |                   | Pipestone       | 54         | 12                                |   | 2                              | 0                        | 0                          | 100                      |
| Hawley              |                   | Clay            | 2,067      | 16                                | \$13  | 11                             | 10                       | 20                         | 70                       |
| Hayfield            |                   | Dodge           | 1,364      | 3                                 |   | 8                              |                          | 50                         | 50                       |
| Hayward             |                   | Freeborn        | 250        | 43                                | \$94  | 2                              |                          | 85                         | 15                       |
| Hazel Run           |                   | Yellow Medicine | 63         | 3                                 |   | 2                              |                          |                            | 100                      |
| Hector              |                   | Renville        | 1,151      | 2                                 | \$33  | 14                             | 40                       | 10                         | 50                       |
| Hendricks           |                   | Lincoln         | 713        | 12                                | \$39  | 7                              | 56                       | 20                         | 24                       |
| Hendrum             |                   | Norman          | 307        | 15                                | \$41  | 3                              | 27                       | 10                         | 63                       |
| Henning             |                   | Otter Tail      | 802        | 24                                | \$42  | 4                              |                          | 40                         | 60                       |
| Henriette           |                   | Pine            | 77         |                                   | \$34  | 10                             |                          |                            | 100                      |
| Herman              |                   | Grant           | 437        | 10                                | \$30  | 5                              |                          |                            | 100                      |
| Hermantown          |                   | St Louis        | 9,625      |                                   | \$36  | 72                             | 0                        | 10                         | 90                       |
| Heron Lake          |                   | Jackson         | 698        | 48                                | \$28  | 6                              | 0                        | 50                         | 50                       |
| Hewitt              |                   | Todd            | 271        | 25                                | \$22  | 3                              |                          |                            | 100                      |
| Hibbing             |                   | St. Louis       | 16,361     | 7                                 | \$33  | 102                            | 80                       | 15                         | 5                        |
| Hill City           |                   | Aitkin          | 610        | 14                                | \$43  | 10                             | 35                       | 55                         | 10                       |
| Hilltop             | Yes               | Anoka           | 766        |                                   | \$15  | 1                              |                          | 100                        |                          |
| Hinckley            |                   | Pine            | 1,800      | 14                                | \$42  | 12                             | 45                       | 25                         | 30                       |
| Hitterdal           |                   | Clay            | 201        | 46                                |   | 2                              |                          | 70                         | 30                       |
| Hoffman             |                   | Grant           | 681        | 2                                 | \$48  | 4                              |                          | 5                          | 95                       |
| Hokah               |                   | Houston         | 572        | 9                                 | \$59  | 6                              | 0                        | 95                         | 5                        |
| Holdingford         |                   | Stearns         | 708        | 23                                | \$19  | 3                              |                          | 5                          | 95                       |
| Holland             |                   | Pipestone       | 213        | 30                                | \$12  | 2                              |                          |                            |                          |
| Hollandale          |                   | Freeborn        | 294        | 33                                |   | 4                              |                          | 100                        |                          |
| Holloway            |                   | Swift           | 92         | 54                                | \$16  | 4                              |                          | 90                         | 10                       |
| Holt                |                   | Marshall        | 88         |                                   |   |                                |                          |                            |                          |
| Hopkins             | Yes               | Hennepin        | 17,591     |                                   |   | 40                             | 50                       | 40                         | 10                       |
| Houston             |                   | Houston         | 979        | 42                                | \$63  | 4                              |                          | 10                         | 10                       |
| Hoyt Lakes          |                   | St. Louis       | 2,017      | 63                                | \$39  | 23                             | 80                       | 15                         | 5                        |
| Hugo                | Yes               | Washington      | 13,878     |                                   |   | 53                             | 0                        | 10                         | 90                       |
| Ihlen               |                   | Pipestone       | 63         | 22                                |   | 2                              |                          |                            | 100                      |
| International Falls |                   | Koochiching     | 6,424      |                                   | \$45  | 41                             | 29                       | 56                         | 15                       |
| Inver Grove Heights | Yes               | Dakota          | 35,234     |                                   | \$18  | 132                            | 5                        | 35                         | 60                       |
| Iona                |                   |                 | 137        |                                   | \$31  | 10                             | 0                        | 0                          | 100                      |
| Iron Junction       |                   | St Louis        | 86         | 33                                | \$52  | 4                              |                          |                            | 100                      |
| Ironton             |                   | Crow Wing       | 572        |                                   | \$26  | 3                              | 98                       |                            | 2                        |
| Isanti              |                   | Isanti          | 5,251      | 20                                | \$25  | 30                             |                          | 20                         | 80                       |
| Isle                |                   | Mille Lacs      | 751        | 24                                |   | 10                             |                          | 50                         | 45                       |
| Ivanhoe             |                   | Lincoln         | 559        | 53                                | \$38  | 5                              | 10                       | 20                         | 70                       |
| Jackson             |                   | Jackson         | 3,299      | 26                                | \$37  | 27                             | 40                       | 22                         | 38                       |
| Janesville          |                   | Waseca          | 2,256      | 27                                | \$20  | 23                             | 13                       | 36                         | 51                       |
| Jasper              |                   | Pipestone/Rock  | 633        | 22                                | \$35  | 4                              |                          | 95                         | 5                        |

| Community         | MCES Service Area | County      | Population | Age of Treatment Facility (years) | Monthly Sewer Service Charge (based on 5,000 gallons/month usage) | Length of Sewer System (miles) | % of Sewer >50 years old | % of Sewer 30-50 years old | % of Sewer <30 years old |
|-------------------|-------------------|-------------|------------|-----------------------------------|---|--------------------------------|--------------------------|----------------------------|--------------------------|
| Jeffers           |                   | Cottonwood  | 369        | 46                                | \$30  | 5                              | 5                        | 75                         | 20                       |
| Jordan            |                   | Scott       | 5,470      | 15                                | \$54  | 28                             | 2                        | 7                          | 91                       |
| Kandiyohi         |                   | Kandiyohi   | 491        |                                   | \$70  | 4                              | 45                       | 0                          | 55                       |
| Kandiyohi         |                   | Kandiyohi   | 491        |                                   | \$70  | 4                              | 45                       | 0                          | 55                       |
| Karlstad          |                   | Kittson     | 760        | 41                                | \$10  | 4                              |                          | 100                        |                          |
| Kasson            |                   | Dodge       | 6,047      | 13                                | \$57  | 29                             |                          | 35                         | 35                       |
| Keewatin          |                   | Itasca      | 1,070      | 45                                | \$35  | 6                              | 50                       | 40                         | 10                       |
| Kelliher          |                   | Beltrami    | 262        | 45                                | \$20  | 4                              | 61                       | 36                         | 3                        |
| Kellogg           |                   | Wabasha     | 469        | 22                                | \$13  | 5                              |                          |                            | 100                      |
| Kennedy           |                   | Kittson     | 193        | 44                                | \$25  | 4                              | 60                       | 39                         | 1                        |
| Kent              |                   | Wilkin      | 81         |                                   | \$46  |                                |                          |                            | 100                      |
| Kenyon            |                   | Goodhue     | 1,815      | 21                                | \$20  | 8                              |                          | 20                         | 47                       |
| Kerkhoven         |                   | Swift       | 759        | 46                                | \$17  | 10                             |                          | 80                         | 20                       |
| Kettle River      |                   | Carlton     | 180        | 30                                | \$42  | 2                              | 5                        |                            | 95                       |
| Kilkenny          |                   | LeSueur     | 134        | 18                                | \$16  | 2                              |                          |                            | 100                      |
| Kimball           |                   | Stearns     | 768        | 32                                | \$34  | 6                              | 5                        | 15                         | 80                       |
| Kinney            |                   | St. Louis   | 148        |                                   | \$25  | 4                              |                          | 90                         | 10                       |
| La Salle          |                   | Watonswan   | 60         | 9                                 |   | 3                              | 0                        | 0                          | 100                      |
| Lafayette         |                   | Nicollet    | 504        | 4                                 | \$48  | 3                              | 0                        | 0                          | 100                      |
| Lake Benton       |                   | Lincoln     | 683        | 46                                | \$29  | 2                              | 20                       | 30                         | 50                       |
| Lake City         |                   | Wabasha     | 5,063      | 25                                | \$48  | 34                             | 40                       | 20                         | 40                       |
| Lake Crystal      |                   | Blue Earth  | 2,593      | 13                                | \$61  | 30                             | 40                       | 20                         | 40                       |
| Lake Elmo         | Yes               | Washington  | 8,069      |                                   | \$25  | 8                              | 0                        | 0                          | 100                      |
| Lake Henry        |                   | Stearns     | 103        | 15                                | \$30  | 2                              | 25                       | 25                         | 50                       |
| Lake Lillian      |                   | Kandiyohi   | 238        | 43                                | \$27  | 2                              |                          | 100                        |                          |
| Lake Park         |                   | Becker      | 783        | 30                                | \$33  | 6                              | 48                       | 10                         | 42                       |
| Lake Shore        |                   | Cass        | 1,004      | 26                                | \$42  | 4                              | 0                        | 0                          | 100                      |
| Lake Wilson       |                   | Murray      | 251        | 20                                | \$12  | 2                              |                          | 75                         | 25                       |
| Lakefield         |                   | Jackson     | 1,694      | 26                                | \$48  | 15                             | 60                       | 30                         | 10                       |
| Lakeland Shores   |                   | Washington  | 311        |                                   |   |                                |                          |                            |                          |
| Laketown Township | Yes               | Carver      | 2,234      | 33                                | \$54  | 8                              | 0                        | 86                         | 14                       |
| Lakeville         | Yes               | Dakota      | 58,562     |                                   | \$26  | 260                            | 1                        | 15                         | 84                       |
| Lamberton         |                   | Redwood     | 824        | 57                                | \$36  | 7                              | 33                       | 5                          | 62                       |
| Lancaster         |                   | Kittson     | 340        | 45                                | \$24  | 3                              | 16                       | 74                         | 10                       |
| Lanesboro         |                   | Fillmore    | 754        | 79                                | \$34  | 6                              | 90                       |                            | 10                       |
| Lansing Township  |                   | Mower       | 200        | 13                                | \$88  | 10                             | 0                        |                            | 100                      |
| Laporte           |                   | Hubbard     | 108        | 8                                 | \$36  | 2                              |                          |                            | 100                      |
| Lauderdale        | Yes               | Ramsey      | 2,503      |                                   | \$18  | 6                              |                          | 10                         | 90                       |
| Le Center         |                   | Le Sueur    | 2,499      | 12                                | \$13  | 15                             |                          | 40                         | 60                       |
| Le Roy            |                   | Mower       | 929        | 49                                | \$24  | 9                              | 50                       | 11                         | 39                       |
| Le Sueur          |                   | Le Sueur    | 4,058      |                                   |   | 30                             | 55                       | 25                         | 20                       |
| Lester Prairie    |                   | McLeod      | 1,730      | 10                                | \$39  | 10                             | 48                       | 26                         | 26                       |
| Lewiston          |                   | Winona      | 1,620      | 16                                | \$70  | 10                             | 30                       | 20                         | 50                       |
| Lexington         | Yes               | Anoka       | 2,049      |                                   | \$12  | 10                             | 95                       | 0                          | 5                        |
| Lilydale          | Yes               | Dakota      | 603        |                                   | \$18  | 1                              |                          | 20                         | 80                       |
| Lismore           |                   | Nobles      | 227        | 22                                | \$25  | 3                              |                          |                            | 100                      |
| Litchfield        |                   | Meeker      | 6,726      | 5                                 | \$49  | 37                             | 38                       | 28                         | 34                       |
| Little Canada     | Yes               | Ramsey      | 9,800      |                                   |   | 33                             |                          | 75                         | 25                       |
| Littlefork        |                   | Koochiching | 647        | 48                                | \$16  | 6                              |                          | 50                         | 28                       |
| Long Lake         | Yes               | Hennepin    | 1,768      |                                   | \$40  | 12                             |                          | 50                         | 50                       |
| Long Prairie      |                   | Todd        | 3,458      | 4                                 | \$31  | 17                             | 29                       | 26                         | 45                       |
| Lonsdale          |                   | Rice        | 3,768      | 13                                | \$55  | 31                             | 0                        | 40                         | 60                       |
| Loretto           |                   | Hennepin    | 650        | 47                                | \$36  | 4                              | 0                        | 40                         | 60                       |
| Lowry             |                   | Pope        | 299        | 7                                 | \$35  | 3                              | 0                        |                            | 100                      |
| Lucan             |                   | Redwood     | 191        | 45                                | \$33  | 2                              |                          | 95                         | 5                        |
| Luverne           |                   | Rock        | 4,690      | 30                                | \$41  | 36                             | 60                       | 20                         | 20                       |
| Lyle              |                   | Mower       | 551        | 19                                | \$16  | 5                              | 75                       | 20                         | 5                        |

| Community          | MCES Service Area | County         | Population | Age of Treatment Facility (years) | Monthly Sewer Service Charge (based on 5,000 gallons/month usage) | Length of Sewer System (miles) | % of Sewer >50 years old | % of Sewer 30-50 years old | % of Sewer <30 years old |
|--------------------|-------------------|----------------|------------|-----------------------------------|---|--------------------------------|--------------------------|----------------------------|--------------------------|
| Mabel              |                   | Fillmore       | 780        | 15                                | \$20  | 4                              | 35                       | 0                          | 65                       |
| Madelia            |                   | Watsonwan      | 2,308      | 20                                | \$27  | 16                             | 60                       | 25                         | 15                       |
| Madison            |                   | Lac qui Parle  | 1,551      | 26                                | \$38  | 11                             | 10                       | 15                         | 75                       |
| Magnolia           |                   | Rock           | 222        | 14                                | \$37  | 2                              |                          | 90                         | 10                       |
| Mahnomen           |                   | Mahnomen       | 1,208      | 52                                | \$40  | 9                              |                          | 30                         | 70                       |
| Mahtomedi          | Yes               | Washington     | 8,030      |                                   | \$46  | 41                             |                          | 40                         | 60                       |
| Mankato            |                   | Blue Earth     | 39,309     | 9                                 | \$36  | 201                            | 22                       | 22                         | 56                       |
| Mantorville        |                   | Dodge          | 1,197      | 28                                |   |                                | 25                       | 60                         | 15                       |
| Maple Grove        | Yes               | Hennepin       | 63,650     |                                   | \$22  | 280                            |                          | 15                         | 85                       |
| Maple Lake         |                   | Wright         | 2,059      |                                   |   | 18                             |                          | 30                         | 70                       |
| Maple Plain        | Yes               | Hennepin       | 1,801      |                                   |   | 11                             | 52                       | 28                         | 20                       |
| Mapleton           |                   | Blue Earth     | 1,756      | 27                                | \$33  | 11                             | 10                       | 48                         | 42                       |
| Mapleview          |                   | Mower          | 176        |                                   | \$8   | 2                              | 80                       |                            | 20                       |
| Maplewood          | Yes               | Ramsey         | 39,765     |                                   | \$17  | 154                            | 30                       | 45                         | 25                       |
| Marble             |                   | Itasca         | 701        | 30                                | \$40  | 7                              | 70                       | 20                         | 10                       |
| Marietta           |                   | Lac qui Parle  | 157        | 34                                | \$13  | 4                              | 0                        | 100                        | 0                        |
| Marine on St Croix |                   | Washington     | 689        | 20                                | \$42  | 4                              | 0                        |                            | 100                      |
| Marshall           |                   | Lyon           | 13,680     | 42                                | \$45  | 82                             | 22                       | 23                         | 55                       |
| Mayer              |                   | Carver         | 1,749      | 12                                | \$55  | 11                             |                          | 18                         | 82                       |
| Maynard            |                   | Chippewa       | 366        | 26                                |   | 3                              |                          | 2                          |                          |
| Mazeppa            |                   | Wabasha        | 842        | 28                                | \$49  | 6                              | 60                       | 10                         | 30                       |
| McGrath            |                   | Aitkin         | 80         | 6                                 | \$28  | 8                              |                          |                            | 100                      |
| McGregor           |                   | Aitkin         | 391        | 23                                | \$25  | 4                              | 45                       | 41                         | 14                       |
| McIntosh           |                   | Polk           | 625        | 46                                | \$12  | 6                              | 45                       | 15                         | 40                       |
| McKinley           |                   | St. Louis      | 128        | 4                                 |   | 4                              | 90                       | 10                         |                          |
| Meadowlands        |                   | St. Louis      | 134        | 55                                | \$50  | 1                              |                          | 100                        | 0                        |
| Medford            |                   | Steele         | 1,238      | 8                                 | \$38  | 12                             |                          | 53                         | 47                       |
| Medicine Lake      | Yes               | Hennepin       | 371        |                                   |   | 2                              | 0                        | 100                        | 0                        |
| Medina             | Yes               | Hennepin       | 4,892      |                                   |   | 37                             |                          | 33                         | 67                       |
| Melrose            |                   | Stearns        | 3,598      | 50                                | \$24  | 20                             | 60                       | 30                         | 10                       |
| Menahga            |                   | Wadena         | 1,306      | 10                                |   | 15                             | 5                        | 35                         | 60                       |
| Mendota            | Yes               | Dakota         | 198        |                                   | \$13  | 4                              |                          | 100                        |                          |
| Mendota Heights    | Yes               | Dakota         | 11,071     |                                   | \$22  | 72                             | 10                       | 50                         | 40                       |
| Middle River       |                   | Marshall       | 309        | 36                                | \$35  | 8                              |                          | 95                         | 5                        |
| Milaca             |                   | Mille Lacs     | 2,946      | 58                                | \$16  | 10                             | 50                       | 30                         | 20                       |
| Milan              |                   | Chippewa       | 369        | 54                                | \$12  |                                |                          | 100                        |                          |
| Millerville        |                   | Douglas        | 113        | 33                                | \$20  | 2                              |                          | 100                        |                          |
| Millville          |                   | Wabasha        | 182        |                                   |   |                                |                          |                            |                          |
| Milroy             |                   | Redwood        | 252        | 37                                | \$22  | 6                              |                          | 100                        |                          |
| Miltona            |                   | Douglas        | 424        | 2                                 | \$40  | 4                              | 20                       |                            | 80                       |
| Minneapolis        | Yes               | Hennepin       | 410,939    |                                   | \$25  | 770                            | 95                       | 2                          | 3                        |
| Minneiska          |                   | Wabasha/Winona | 111        |                                   |   |                                |                          |                            |                          |
| Minneota           |                   | Lyon           | 1,392      | 28                                | \$68  | 5                              | 40                       |                            | 60                       |
| Minnesota City     |                   | Winona         | 204        | 4                                 |   | 1                              |                          |                            | 100                      |
| Minnesota Lake     |                   | Faribault      | 687        |                                   | \$26  | 47                             | 75                       | 20                         | 5                        |
| Minnetonka         | Yes               | Hennepin       | 51,647     |                                   | \$32  | 279                            |                          | 30                         | 70                       |
| Minnetonka Beach   | Yes               | Hennepin       | 539        |                                   | \$27  | 5                              |                          | 100                        |                          |
| Minnetrista        | Yes               | Hennepin       | 6,797      |                                   | \$33  | 43                             | 10                       | 30                         | 60                       |
| Montevideo         |                   | Chippewa       | 5,329      | 7                                 | \$35  | 73                             | 65                       | 20                         | 15                       |
| Montgomery         |                   | Le Sueur       | 3,300      | 14                                | \$39  | 22                             | 24                       | 30                         | 46                       |
| Monticello         |                   | Wright         | 12,759     | 20                                |   | 40                             |                          | 20                         | 78                       |
| Montrose           |                   | Wright         | 3,040      | 14                                | \$55  | 23                             | 5                        | 5                          | 90                       |
| Moorhead           |                   | Clay           | 46,339     | 34                                | \$27  | 187                            | 32                       | 22                         | 46                       |
| Moose Lake         |                   | Carlton        | 2,751      | 50                                | \$29  | 9                              | 60                       | 20                         | 20                       |
| Mora               |                   | Kanabec        | 3,571      | 21                                | \$48  | 25                             | 15                       | 45                         | 40                       |
| Morgan             |                   | Redwood        | 896        | 63                                |   | 7                              |                          | 75                         | 25                       |
| Morris             |                   | Stevens        | 5,286      | 40                                |   | 32                             |                          | 40                         | 60                       |

| Community                 | MCES Service Area | County         | Population | Age of Treatment Facility (years) | Monthly Sewer Service Charge (based on 5,000 gallons/month usage) | Length of Sewer System (miles) | % of Sewer >50 years old | % of Sewer 30-50 years old | % of Sewer <30 years old |
|---------------------------|-------------------|----------------|------------|-----------------------------------|---|--------------------------------|--------------------------|----------------------------|--------------------------|
| Morristown                |                   | Rice           | 987        | 17                                | \$40  | 6                              |                          | 86                         | 14                       |
| Morton                    |                   | Renville       | 411        | 3                                 | \$56  | 4                              |                          |                            | 95                       |
| Motley                    |                   | Morrison       | 671        | 5                                 |   | 6                              |                          | 95                         | 5                        |
| Mound                     | Yes               | Hennepin       | 9,052      |                                   | \$34  | 65                             | 35                       | 60                         | 5                        |
| Mounds View               | Yes               | Ramsey         | 13,007     |                                   | \$27  | 44                             | 0                        | 91                         | 9                        |
| Mountain Iron             |                   | St Louis       | 2,869      | 35                                | \$38  | 27                             | 55                       | 25                         | 20                       |
| Mountain Lake             |                   | Cottonwood     | 2,104      | 60                                | \$41  | 18                             | 10                       | 30                         | 60                       |
| Murdock                   |                   | Swift          | 278        | 31                                | \$19  | 3                              |                          | 50                         | 50                       |
| Nashwauk                  |                   | Itasca         | 983        | 27                                | \$17  | 7                              | 15                       | 0                          | 85                       |
| Nerstrand                 |                   | Rice           | 295        | 15                                | \$60  | 2                              | 0                        |                            | 100                      |
| Nevis                     |                   | Hubbard        | 390        | 21                                |   | 6                              |                          |                            | 100                      |
| New Auburn                |                   | Sibley         | 456        | 7                                 | \$35  | 3                              | 0                        | 95                         | 5                        |
| New Brighton              | Yes               | Ramsey         | 21,456     |                                   | \$20  | 77                             | 45                       | 45                         | 10                       |
| New Germany               |                   | Carver         | 372        | 46                                | \$25  | 4                              |                          | 0                          | 100                      |
| New Hope                  | Yes               | Hennepin       | 20,339     |                                   | \$28  | 63                             |                          | 98                         | 2                        |
| New London                |                   | Kandiyohi      | 1,251      |                                   | \$66  | 7                              | 5                        | 5                          | 90                       |
| New Munich                |                   | Stearns        | 320        | 5                                 | \$41  | 5                              |                          | 85                         | 15                       |
| New Prague                |                   | Scott/Le Sueur | 7,508      | 7                                 | \$90  | 43                             | 25                       | 25                         | 50                       |
| New Ulm                   |                   | Brown          | 13,522     | 42                                | \$28  | 81                             | 33                       | 22                         | 45                       |
| New York Mills            |                   | Ottertail      | 1,190      | 10                                | \$56  | 11                             | 10                       | 30                         | 60                       |
| Newfolden                 |                   | Marshall       | 368        | 37                                | \$24  | 4                              |                          | 95                         | 5                        |
| Newport                   | Yes               | Washington     | 3,435      |                                   |   | 20                             | 75                       | 15                         | 10                       |
| Nicollet                  |                   | Nicollet       | 1,116      | 18                                |   | 9                              |                          | 35                         | 61                       |
| Nielsville                |                   | Polk           | 90         | 10                                |   | 1                              |                          |                            | 100                      |
| Nisswa                    |                   | Crow Wing      | 1,971      | 26                                | \$47  | 14                             | 0                        | 0                          | 100                      |
| North Branch              |                   | Chisago        | 10,125     | 13                                | \$50  | 38                             | 10                       | 5                          | 85                       |
| North Mankato             |                   | Nicollet       | 13,520     |                                   | \$32  | 67                             | 7                        | 29                         | 64                       |
| North Oaks                | Yes               | Ramsey         | 5,015      |                                   |   |                                |                          |                            |                          |
| North St Paul             | Yes               | Ramsey         | 11,460     |                                   | \$48  | 50                             |                          | 33                         | 15                       |
| Northfield                |                   | Rice           | 20,007     | 16                                | \$33  | 83                             | 10                       | 20                         | 70                       |
| Northome                  |                   | Koochiching    | 200        | 37                                | \$40  | 5                              | 40                       | 60                         |                          |
| Norwood Young America     |                   | Carver         | 3,637      | 11                                | \$57  | 22                             | 50                       | 40                         | 10                       |
| Oak Park Heights          | Yes               | Washington     | 4,800      |                                   | \$26  | 28                             | 16                       | 68                         | 16                       |
| Oakdale                   | Yes               | Washington     | 27,538     |                                   | \$27  | 107                            |                          | 50                         | 50                       |
| Oakland Sanitary District |                   |                |            |                                   |   |                                |                          |                            |                          |
| Odessa                    |                   | Big Stone      | 135        | 50                                | \$25  | 2                              |                          |                            | 100                      |
| Ogema                     |                   | Becker         | 184        | 46                                | \$15  | 5                              | 0                        | 100                        | 0                        |
| Ogilvie                   |                   | Kanabec        | 369        | 48                                | \$87  | 3                              | 95                       |                            | 5                        |
| Okabena                   |                   | Jackson        | 188        | 35                                | \$32  | 4                              |                          | 75                         | 25                       |
| Oklee                     |                   | Red Lake       | 435        | 19                                | \$18  | 7                              |                          |                            | 100                      |
| Olivia                    |                   | Renville       | 2,484      | 36                                | \$42  | 24                             | 13                       | 43                         | 44                       |
| Onamia                    |                   | Mille Lacs     | 878        | 29                                |   | 4                              | 30                       | 55                         | 15                       |
| Orono                     | Yes               | Hennepin       | 7,437      |                                   | \$48  | 57                             |                          | 35                         | 65                       |
| Orr                       |                   | St. Louis      | 267        | 27                                | \$69  | 3                              | 28                       | 14                         | 58                       |
| Ortonville                |                   | Big Stone      | 1,915      | 31                                | \$24  | 24                             |                          | 65                         | 35                       |
| Osakis                    |                   | Douglas/Todd   | 1,740      | 52                                | \$30  | 12                             | 7                        | 6                          | 87                       |
| Oslo                      |                   | Marshall       | 330        | 40                                | \$45  | 4                              |                          | 95                         | 5                        |
| Ostrander                 |                   | Fillmore       | 256        | 12                                | \$50  | 4                              | 100                      | 0                          | 0                        |
| Otsego                    |                   | Wright         | 16,500     | 11                                | \$36  | 79                             | 0                        | 0                          | 100                      |
| Owatonna                  |                   | Steele         | 25,599     | 29                                | \$27  | 115                            | 50                       | 30                         | 20                       |
| Palisade                  |                   | Aitkin         | 167        | 15                                | \$39  | 7                              |                          |                            | 100                      |
| Park Rapids               |                   | Hubbard        | 3,709      | 30                                | \$30  | 31                             | 30                       | 10                         | 60                       |
| Parkers Prairie           |                   | Otter Tail     | 1,011      | 31                                | \$33  | 10                             |                          | 23                         | 27                       |
| Paynesville               |                   | Stearns        | 2,432      | 6                                 | \$30  | 18                             | 10                       | 30                         | 60                       |
| Pease                     |                   | Mille Lacs     | 242        | 18                                | \$78  | 3                              |                          |                            | 100                      |
| Pelican Rapids            |                   | Otter Tail     | 2,510      | 2                                 | \$31  | 14                             | 25                       | 25                         | 50                       |
| Pemberton                 |                   | Blue Earth     | 247        | 14                                | \$41  | 3                              |                          |                            | 100                      |

| Community  | MCES Service Area | County                | Population | Age of Treatment Facility (years) | Monthly Sewer Service Charge (based on 5,000 gallons/month usage) | Length of Sewer System (miles) | % of Sewer >50 years old | % of Sewer 30-50 years old | % of Sewer <30 years old |
|--|-------------------|-----------------------|------------|-----------------------------------|---|--------------------------------|--------------------------|----------------------------|--------------------------|
| Pennock  |                   | Kandiyohi             | 508        | 13                                | \$10  |                                |                          |                            | 100                      |
| Pequot Lakes                                       |                   | Crow Wing             | 2,162      | 40                                | \$23  | 7                              | 50                       | 25                         | 25                       |
| Perham   |                   | Otter Tail            | 2,985      | 5                                 | \$27  | 27                             | 25                       | 9                          | 66                       |
| Perley   |                   | Norman                | 92         | 3                                 |   | 1                              |                          | 100                        |                          |
| Peterson   |                   | Fillmore              | 199        | 3                                 | \$47  | 2                              |                          | 100                        |                          |
| Pillager   |                   | Cass                  | 469        | 25                                |   | 6                              |                          |                            | 100                      |
| Pine City  |                   | Pine                  | 3,127      | 42                                | \$40  | 24                             | 20                       | 20                         | 60                       |
| Pine Island  |                   | Goodhue               | 3,318      | 26                                | \$45  | 24                             |                          | 30                         | 40                       |
| Pine River Area Sanitary District                  |                   |                       |            |                                   |   |                                |                          |                            |                          |
| Pipestone  |                   | Pipestone             | 4,317      | 4                                 |   | 36                             | 21                       | 28                         | 51                       |
| Plainview  |                   | Wabasha               | 3,340      |                                   | \$48  | 16                             | 50                       | 20                         | 30                       |
| Plainview - Elgin Sanitary District                |                   |                       |            |                                   |   |                                |                          |                            |                          |
| Plummer  |                   | Red Lake              | 292        | 25                                | \$18  | 3                              |                          | 90                         | 10                       |
| Porter   |                   | Yellow Medicine       | 183        | 40                                | \$20  | 4                              |                          | 100                        |                          |
| Preston  |                   | Fillmore              | 1,325      | 32                                | \$11  | 12                             | 49                       | 30                         | 21                       |
| Princeton  |                   | Mille Lacs, Sherburne | 4,732      | 5                                 | \$48  | 24                             | 77                       | 14                         | 9                        |
| Prinsburg  |                   | Kandiyohi             | 497        | 11                                |   | 4                              |                          |                            | 100                      |
| Prior Lake   | Yes               | Scott                 | 22,796     |                                   | \$18  | 126                            | 5                        | 25                         | 70                       |
| Pucks Point Sanitary Sewer District                |                   |                       |            |                                   |   |                                |                          |                            |                          |
| Ramsey   | Yes               | Anoka                 | 24,811     |                                   | \$24  | 66                             |                          | 5                          | 95                       |
| Randall  |                   | Morrison              | 650        | 26                                | \$25  | 5                              |                          | 80                         | 20                       |
| Raymond  |                   | Kandiyohi             | 764        | 3                                 | \$43  | 8                              | 10                       | 50                         | 40                       |
| Red Lake Falls                                     |                   | Red Lake              | 1,427      | 29                                | \$35  | 12                             | 8                        | 70                         | 22                       |
| Red Wing   |                   | Goodhue               | 16,459     | 33                                | \$36  | 130                            | 55                       | 15                         | 30                       |
| Redwood Falls                                      |                   | Redwood               | 5,254      | 29                                | \$24  | 39                             | 60                       | 25                         | 15                       |
| Regal  |                   | Kandiyohi             | 29         |                                   |   |                                |                          |                            |                          |
| Remer  |                   | Cass                  | 370        | 6                                 | \$59  | 5                              |                          |                            | 100                      |
| Renville   |                   | Renville              | 1,287      | 25                                | \$41  | 18                             | 50                       | 40                         | 10                       |
| Rice   |                   | Benton                | 1,275      | 29                                | \$19  | 5                              |                          |                            | 100                      |
| Rich Prairie Water & Sewer District (Pierz/Genola) |                   |                       |            |                                   |   |                                |                          |                            |                          |
| Richfield  | Yes               | Morrison              | 75         | 19                                | \$45  | 2                              |                          |                            | 100                      |
| Richmond   |                   | Hennepin              | 35,376     |                                   | \$20  | 120                            | 97                       |                            | 3                        |
| Robbinsdale  | Yes               | Stearns               | 1,422      | 10                                | \$74  | 9                              | 10                       | 20                         | 70                       |
| Robbinsdale  |                   | Hennepin              | 14,757     |                                   | \$33  | 43                             | 65                       | 9                          | 26                       |
| Rochester  |                   | Olmsted               | 111,000    | 10                                | \$31  | 489                            | 26                       | 22                         | 51                       |
| Rockford   |                   | Wright                | 4,316      | 16                                | \$21  | 20                             | 20                       | 25                         | 55                       |
| Rogers   |                   | Hennepin              | 12,539     | 25                                | \$48  | 61                             | 5                        | 21                         | 74                       |
| Rollingstone                                       |                   | Winona                | 664        | 16                                | \$25  | 4                              |                          | 60                         | 40                       |
| Roosevelt  |                   | Roseau                | 151        |                                   |   |                                |                          |                            |                          |
| Roscoe   |                   | Stearns               | 102        | 12                                | \$30  | 2                              |                          |                            | 100                      |
| Rose Creek   |                   | Mower                 | 394        | 40                                |   | 3                              |                          | 20                         | 30                       |
| Roseville  | Yes               | Ramsey                | 34,600     |                                   | \$15  | 145                            | 70                       | 2                          | 28                       |
| Rothsay  |                   | Wilkin/Otter Tail     | 493        | 27                                | \$40  | 4                              | 0                        | 20                         | 80                       |
| Royalton   |                   | Morrison              | 1,242      | 6                                 | \$42  | 5                              |                          | 90                         | 10                       |
| Rush City  |                   | Chisago               | 3,074      | 15                                |   | 15                             | 20                       | 45                         | 35                       |
| Rushford   |                   | Fillmore              | 1,757      | 6                                 | \$47  | 15                             | 30                       | 20                         | 50                       |
| Rushford Village                                   |                   | Fillmore              | 811        |                                   | \$42  | 3                              | 0                        | 0                          | 100                      |
| Rushmore   |                   | Nobles                | 342        | 9                                 |   | 5                              |                          | 75                         | 25                       |
| Russell  |                   | Lyon                  | 338        | 25                                |   | 3                              |                          | 35                         | 65                       |
| Ruthton  |                   | Pipestone             | 241        | 40                                | \$24  | 2                              |                          | 100                        |                          |
| Sabin  |                   | Clay                  | 551        | 36                                | \$22  | 4                              | 20                       | 30                         | 50                       |
| Sacred Heart                                       |                   | Renville              | 548        | 17                                | \$10  | 5                              | 50                       | 5                          | 45                       |
| Sanborn  |                   | Redwood               | 339        | 45                                | \$19  | 7                              |                          | 10                         | 90                       |
| Sandstone  |                   | Pine                  | 2,849      | 26                                | \$37  | 14                             | 60                       | 25                         | 15                       |

| Community        | MCES Service Area | County          | Population | Age of Treatment Facility (years) | Monthly Sewer Service Charge (based on 5,000 gallons/month usage) | Length of Sewer System (miles) | % of Sewer >50 years old | % of Sewer 30-50 years old | % of Sewer <30 years old |
|------------------|-------------------|-----------------|------------|-----------------------------------|---|--------------------------------|--------------------------|----------------------------|--------------------------|
| Sargeant         |                   | Mower           | 61         | 13                                | \$42  | 1                              |                          |                            | 100                      |
| Sartell          |                   | Stearns         | 16,217     |                                   | \$46  | 82                             | 5                        | 17                         | 78                       |
| Sauk Centre      |                   | Stearns         | 4,435      | 6                                 | \$35  | 55                             | 60                       | 30                         | 10                       |
| Sauk Rapids      |                   | Benton          | 12,890     |                                   | \$25  | 67                             | 46                       | 15                         | 39                       |
| Savage           | Yes               | Scott           | 27,325     |                                   | \$24  | 132                            | 3                        | 27                         | 70                       |
| Scandia          |                   | Washington      | 3,945      | 32                                | \$55  | 4                              |                          | 100                        |                          |
| Scanlon          |                   | Carlton County  | 987        |                                   |   | 5                              |                          |                            | 24                       |
| Seaforth         |                   | Redwood         | 86         | 7                                 | \$60  | 2                              |                          |                            | 100                      |
| Searles          |                   | Brown           | 171        |                                   |   |                                |                          |                            |                          |
| Sebek            |                   | Wadena          | 711        | 41                                | \$29  | 6                              | 10                       | 15                         | 75                       |
| Sedan            |                   | Pope            | 45         |                                   |   |                                |                          |                            |                          |
| Shafer           |                   | Chisago         | 1,045      | 14                                | \$33  | 6                              | 0                        | 25                         | 75                       |
| Shakopee         | Yes               | Scott           | 39,167     |                                   | \$21  | 145                            | 6                        | 36                         | 58                       |
| Shelly           |                   | Norman          | 185        | 6                                 | \$35  | 2                              | 5                        | 5                          | 90                       |
| Sherburn         |                   | Martin          | 1,137      | 21                                | \$26  | 13                             | 50                       | 25                         | 25                       |
| Shoreview        | Yes               | Ramsey          | 26,366     |                                   | \$27  | 124                            |                          | 57                         | 43                       |
| Shorewood        | Yes               | Hennepin        | 7,496      |                                   |   | 66                             |                          | 84                         | 16                       |
| Silver Bay       |                   | Lake            | 1,868      | 58                                | \$38  | 9                              | 99                       | 1                          |                          |
| Silver Creek     |                   | Lake            | 1,138      |                                   |   |                                |                          |                            |                          |
| Silver Lake      |                   | McLeod          | 837        | 27                                | \$58  | 9                              | 60                       | 20                         | 20                       |
| Slayton          |                   | Murray          | 2,153      | 58                                | \$20  | 20                             | 85                       | 10                         | 5                        |
| Sleepy Eye       |                   | Brown           | 3,599      | 30                                |   | 25                             | 20                       | 50                         | 30                       |
| Sobleski         |                   | Morrison        | 195        | 41                                | \$32  | 2                              |                          | 75                         | 25                       |
| South Haven      |                   | Wright          | 190        | 11                                | \$32  | 2                              |                          |                            | 100                      |
| South St Paul    | Yes               | Dakota          | 20,160     |                                   |   | 77                             |                          | 51                         | 9                        |
| Spicer           |                   | Kandiyohi       | 1,197      |                                   | \$67  | 17                             | 10                       | 10                         | 80                       |
| Spring Grove     |                   | Houston         | 1,330      | 15                                |   | 16                             |                          | 30                         | 20                       |
| Spring Lake Park | Yes               | Anoka/Ramsey    | 6,513      |                                   | \$22  | 26                             | 0                        | 80                         | 20                       |
| Spring Park      | Yes               | Hennepin        | 1,713      |                                   | \$42  | 6                              |                          | 90                         | 10                       |
| Spring Valley    |                   | Fillmore        | 2,476      | 30                                | \$40  | 27                             | 18                       | 48                         | 34                       |
| Springfield      |                   | Brown           | 2,114      | 28                                |   | 12                             | 45                       | 24                         | 31                       |
| St Anthony       | Yes               | Hennepin        |            |                                   |   | 2                              |                          |                            | 50                       |
| St Bonifacius    | Yes               | Hennepin        | 2,319      |                                   | \$19  | 10                             |                          | 20                         | 80                       |
| St Charles       |                   | Winona          | 3,735      |                                   | \$34  | 23                             | 28                       | 37                         | 35                       |
| St Clair         |                   | Blue Earth      | 868        | 18                                | \$62  | 4                              |                          | 70                         | 30                       |
| St Cloud         |                   | Stearns         | 67,056     | 5                                 | \$24  | 292                            | 25                       | 25                         | 50                       |
| St James         |                   | Watsonwan       | 4,605      | 5                                 | \$42  | 29                             | 75                       | 10                         | 15                       |
| St Joseph        |                   | Stearns         | 6,787      |                                   | \$39  | 32                             | 15                       | 15                         | 70                       |
| St Leo           |                   | Yellow Medicine | 100        | 42                                | \$23  | 2                              |                          | 100                        |                          |
| St Louis Park    | Yes               | Hennepin        | 45,882     |                                   | \$38  | 143                            | 86                       | 10                         | 4                        |
| St Martin        |                   | Stearns         | 308        | 45                                | \$36  | 4                              |                          | 80                         | 20                       |
| St Michael       |                   | Wright          | 16,921     | 16                                | \$19  | 82                             | 2                        | 2                          | 96                       |
| St Paul          |                   | Ramsey          | 294,873    |                                   | \$28  | 808                            | 75                       | 20                         | 5                        |
| St Paul Park     |                   | Washington      | 5,441      |                                   |   | 21                             | 70                       | 25                         | 5                        |
| St Peter         |                   | Nicollet        | 11,758     | 13                                | \$37  | 59                             | 27                       | 30                         | 43                       |
| Stacy            |                   | Chisago         | 1,456      |                                   |   | 6                              |                          | 50                         | 50                       |
| Staples          |                   | Todd/Wadena     | 2,981      | 50                                | \$15  | 22                             |                          | 30                         | 25                       |
| Starbuck         |                   | Pope            | 1,302      | 50                                | \$37  | 10                             | 50                       | 8                          | 42                       |
| Steen            |                   | Rock            | 180        | 30                                | \$20  | 2                              |                          | 100                        | 0                        |
| Stewart          |                   | McLeod          | 571        | 31                                | \$31  | 5                              | 62                       | 7                          | 31                       |
| Stewartville     |                   | Olmsted         | 6,189      | 29                                | \$30  | 30                             | 35                       | 20                         | 45                       |
| Stillwater       | Yes               | Washington      | 19,100     |                                   | \$14  | 90                             | 50                       | 30                         | 20                       |
| Stockton         |                   | MN              | 697        | 43                                | \$25  | 3                              |                          | 90                         | 10                       |
| Storden          |                   | Cottonwood      | 219        | 7                                 |   | 2                              |                          |                            | 100                      |
| Sturgeon Lake    |                   | Pine            | 439        | 10                                | \$60  | 8                              | 0                        | 0                          | 100                      |
| Sunburg          |                   | Kandiyohi       | 100        | 17                                | \$35  | 2                              |                          |                            | 100                      |
| Sunfish Lake     |                   | Dakota          | 521        |                                   |   |                                |                          |                            |                          |

| Community                       | MCES Service Area | County     | Population | Age of Treatment Facility (years) | Monthly Sewer Service Charge (based on 5,000 gallons/month usage) | Length of Sewer System (miles) | % of Sewer >50 years old | % of Sewer 30-50 years old | % of Sewer <30 years old |
|---------------------------------|-------------------|------------|------------|-----------------------------------|---|--------------------------------|--------------------------|----------------------------|--------------------------|
| Swanville                       |                   | Morrison   | 350        | 48                                | \$37  | 4                              |                          | 90                         | 10                       |
| Taconite                        |                   | Itasca     | 653        |                                   | \$30  | 6                              | 25                       | 5                          | 70                       |
| Tamarack                        |                   | Aitkin     | 94         | 12                                |   | 3                              |                          |                            | 100                      |
| Taopi                           |                   | Mower      | 58         |                                   |   |                                |                          |                            |                          |
| Taunton                         |                   | Lyon       | 139        | 40                                | \$18  | 2                              |                          | 100                        |                          |
| Taylor's Falls                  |                   | Chisago    | 976        | 29                                |   | 12                             |                          | 20                         | 80                       |
| Tenstrike                       |                   | Beltrami   | 201        |                                   |   |                                |                          |                            |                          |
| Thief River Falls               |                   | Pennington | 8,573      | 42                                | \$13  | 43                             | 60                       | 15                         | 25                       |
| Thomson Township                |                   | Carlton    | 5,003      |                                   | \$35  | 14                             | 5                        | 75                         | 20                       |
| Tonka Bay                       | Yes               | Hennepin   | 1,475      |                                   | \$44  | 10                             |                          | 80                         | 20                       |
| Tower-Breitung Wastewater Board |                   |            |            |                                   |   |                                |                          |                            |                          |
| Tracy                           |                   | Lyon       | 2,163      | 49                                | \$22  | 25                             | 25                       | 50                         | 25                       |
| Trimont                         |                   | Martin     | 747        | 12                                | \$66  | 8                              |                          | 99                         | 1                        |
| Truman                          |                   | Martin     | 1,115      | 29                                | \$35  | 8                              | 40                       | 45                         | 15                       |
| Twin Lakes                      |                   | Freeborn   | 151        | 30                                |   | 2                              |                          | 100                        |                          |
| Twin Valley                     |                   | Norman     | 821        | 19                                | \$27  | 7                              | 10                       | 15                         | 75                       |
| Two Harbors                     |                   | Lake       | 3,745      | 46                                | \$45  | 20                             |                          | 10                         | 10                       |
| Tyler                           |                   | Lincoln    | 1,127      | 59                                |   | 10                             | 20                       | 20                         | 60                       |
| Ulen                            |                   | Clay       | 547        | 25                                | \$38  | 4                              |                          |                            | 100                      |
| Underwood                       |                   | Otter Tail | 341        | 7                                 | \$37  | 6                              |                          | 25                         | 75                       |
| Upsala                          |                   | Morrison   | 427        | 55                                | \$31  | 6                              | 78                       | 10                         | 12                       |
| Utica                           |                   | Winona     | 291        | 39                                | \$15  | 3                              |                          | 85                         | 15                       |
| Vadnais Heights                 | Yes               | Ramsey     | 12,302     |                                   | \$25  | 54                             |                          | 30                         | 70                       |
| Vergas                          |                   | Otter Tail | 331        | 19                                | \$28  | 4                              | 0                        | 80                         | 20                       |
| Verndale                        |                   | Wadena     | 602        | 28                                | \$34  | 5                              |                          | 21                         | 79                       |
| Vernon Center                   |                   | Blue Earth | 332        | 45                                | \$45  | 3                              | 72                       | 10                         | 18                       |
| Vesta                           |                   | Redwood    | 319        | 30                                | \$20  | 3                              |                          | 100                        | 0                        |
| Victoria                        | Yes               | Carver     | 8,200      |                                   | \$18  | 49                             |                          | 15                         | 85                       |
| Viking                          |                   | Marshall   | 104        | 4                                 | \$60  | 2                              | 0                        |                            | 100                      |
| Villard                         |                   | Pope       | 254        | 9                                 | \$60  | 4                              | 0                        | 0                          | 100                      |
| Virginia                        |                   | St Louis   | 8,712      | 5                                 | \$39  | 73                             | 60                       | 20                         | 20                       |
| Virginia                        |                   | St Louis   | 8,712      | 3                                 | \$39  | 73                             | 60                       | 20                         | 20                       |
| Wabasha                         |                   | Wabasha    | 2,521      | 14                                | \$43  | 24                             | 23                       | 34                         | 43                       |
| Wabasso                         |                   | Redwood    | 696        | 52                                | \$35  | 4                              | 75                       | 20                         | 5                        |
| Waconia                         | Yes               | Carver     | 10,697     |                                   | \$35  | 55                             | 14                       | 20                         | 66                       |
| Wadena                          |                   | Wadena     | 4,088      | 27                                | \$44  | 28                             | 35                       | 20                         | 45                       |
| Wahkon                          |                   | Mille Lacs | 206        | 12                                | \$35  | 4                              |                          | 100                        |                          |
| Waite Park                      |                   | Stearns    | 7,531      |                                   | \$21  | 33                             |                          | 15                         | 85                       |
| Waldorf                         |                   | Waseca     | 224        | 65                                | \$40  | 2                              | 70                       | 10                         | 20                       |
| Walker                          |                   | Cass       | 941        | 19                                |   | 11                             | 30                       | 45                         | 25                       |
| Walker                          |                   | Cass       | 941        | 22                                | \$30  | 11                             | 50                       | 45                         | 5                        |
| Walnut Grove                    |                   | Redwood    | 871        | 47                                | \$34  | 7                              |                          | 52                         | 48                       |
| Walters                         |                   | Faribault  | 73         | 8                                 | \$39  | 3                              |                          |                            | 100                      |
| Waltham                         |                   | Mower      | 151        | 55                                | \$45  | 1                              | 100                      |                            |                          |
| Wanamingo                       |                   | Goodhue    | 1,086      | 45                                | \$48  | 6                              | 25                       | 15                         | 60                       |
| Wanda                           |                   | Redwood    | 84         | 17                                | \$20  | 1                              |                          |                            | 100                      |
| Warba                           |                   | Itasca     | 178        | 55                                | \$50  | 2                              | 90                       |                            | 10                       |
| Warren                          |                   | Marshall   | 1,563      | 14                                | \$56  | 16                             | 40                       | 40                         | 20                       |
| Warroad                         |                   | Roseau     | 1,781      | 30                                | \$30  | 26                             | 11                       | 34                         | 55                       |
| Waseca                          |                   | Waseca     | 9,410      | 6                                 | \$33  | 50                             |                          | 50                         | 25                       |
| Watertown                       |                   | Carver     | 4,278      | 23                                | \$44  | 26                             | 45                       | 5                          | 50                       |
| Waterville                      |                   | Le Sueur   | 1,868      | 24                                | \$30  | 30                             | 55                       | 25                         | 20                       |
| Watkins                         |                   | Meeker     | 962        | 34                                | \$34  | 3                              | 1                        | 10                         | 89                       |
| Watson                          |                   | Chippewa   | 205        |                                   | \$85  | 10                             |                          |                            | 100                      |
| Waubun                          |                   | Mahnomen   | 400        | 30                                | \$12  | 10                             |                          | 100                        |                          |
| Waverly                         |                   | Wright     | 1,357      |                                   | \$89  | 13                             |                          | 25                         | 75                       |

| Community                                       | MCES Service Area | County            | Population | Age of Treatment Facility (years) | Monthly Sewer Service Charge (based on 5,000 gallons/month usage) | Length of Sewer System (miles) | % of Sewer >50 years old | % of Sewer 30-50 years old | % of Sewer <30 years old |
|---|-------------------|-------------------|------------|-----------------------------------|---|--------------------------------|--------------------------|----------------------------|--------------------------|
| Wayzata   | Yes               | Hennepin          | 3,688      |                                   | \$35  | 29                             | 70                       | 20                         | 10                       |
| Welcome   |                   | Martin            | 686        | 49                                |   | 7                              |                          | 90                         | 10                       |
| Wells   |                   | Faribault         | 2,343      | 26                                | \$95  | 32                             | 60                       | 30                         | 10                       |
| Wendell   |                   | Grant             | 167        | 30                                | \$16  | 20                             |                          | 100                        |                          |
| West Concord                                    |                   | Dodge             | 782        | 12                                | \$45  | 8                              | 75                       | 10                         | 15                       |
| West St Paul                                    | Yes               | Dakota            | 19,540     |                                   | \$28  | 62                             | 30                       | 54                         | 16                       |
| Westbrook                                       |                   | Cottonwood        | 733        | 51                                |   | 6                              |                          |                            | 5                        |
| Western Lake Superior Sanitary District (WLSDD) |                   |                   |            |                                   |   |                                |                          |                            |                          |
| Wheaton   |                   | Traverse          | 1,424      | 22                                | \$40  | 11                             | 5                        | 20                         | 75                       |
| White Bear Lake                                 | Yes               | Ramsey            | 24,074     |                                   |   | 85                             | 50                       | 33                         | 17                       |
| White Bear Township                             | Yes               | Ramsey            | 11,000     |                                   | \$23  | 58                             | 8                        | 52                         | 40                       |
| Wilder  |                   | Jackson           | 60         |                                   |   |                                |                          |                            |                          |
| Willernie                                       | Yes               | Washington        | 507        |                                   |   |                                |                          |                            |                          |
| Williams  |                   | Lake of the Woods | 191        | 4                                 | \$57  | 3                              |                          | 10                         | 90                       |
| Willmar   |                   | Kandiyohi         | 19,610     | 7                                 | \$60  | 115                            | 32                       | 27                         | 41                       |
| Willow River                                    |                   | Pine              | 415        | 44                                | \$32  | 26                             | 75                       | 15                         | 10                       |
| Wilmont   |                   | Nobles            | 339        | 38                                | \$30  | 3                              |                          | 94                         | 6                        |
| Wilton  |                   | Beltrami          | 236        |                                   |   |                                |                          |                            |                          |
| Windom  |                   | Cottonwood        | 4,646      | 22                                | \$38  | 42                             | 7                        | 30                         | 63                       |
| Winger  |                   | Polk              | 220        | 42                                | \$14  | 2                              |                          | 100                        |                          |
| Winnebago                                       |                   | Faribault         | 1,437      | 3                                 | \$30  | 27                             | 55                       | 10                         | 35                       |
| Winona  |                   | Winona            | 27,592     | 20                                | \$20  | 120                            | 60                       | 20                         | 20                       |
| Winsted   |                   | McLeod            | 2,319      | 32                                | \$66  | 22                             | 10                       | 70                         | 20                       |
| Winthrop  |                   | Sibley            | 1,400      | 33                                | \$35  | 9                              | 80                       | 5                          | 15                       |
| Winton  |                   | St. Louis         | 170        | 31                                | \$47  | 2                              | 80                       | 10                         | 10                       |
| Wolverton                                       |                   | Wilkin            | 142        |                                   | \$40  | 1                              |                          | 20                         | 80                       |
| Wood Lake                                       |                   | Yellow Medicine   | 424        | 50                                | \$36  | 3                              | 95                       | 0                          | 5                        |
| Woodbury  | Yes               | Washington        | 69,240     |                                   | \$22  | 252                            | 5                        | 24                         | 71                       |
| Woodland  | Yes               | Hennepin          | 498        |                                   |   |                                |                          |                            |                          |
| Woodstock                                       |                   | Pipestone         | 300        | 16                                |   | 3                              | 0                        | 0                          | 100                      |
| Worthington                                     |                   | Nobles            | 13,000     | 27                                | \$29  | 63                             | 50                       | 30                         | 20                       |
| Wykoff  |                   | Fillmore          | 444        | 3                                 | \$30  | 3                              |                          | 90                         | 10                       |
| Wyoming   |                   | Chisago           | 7,791      |                                   | \$28  | 24                             |                          | 60                         | 40                       |
| Zimmerman                                       |                   | Sherburne         | 5,228      | 5                                 | \$35  | 32                             |                          | 40                         | 60                       |
| Zumbro Falls                                    |                   | Wabasha           | 207        |                                   | \$30  | 2                              | 10                       |                            | 90                       |
| Zumbrota  |                   | Goodhue           | 3,333      | 31                                |   | 22                             |                          | 30                         | 41                       |