



Future Wastewater Infrastructure Needs and Capital Costs

REPORT TO THE LEGISLATURE

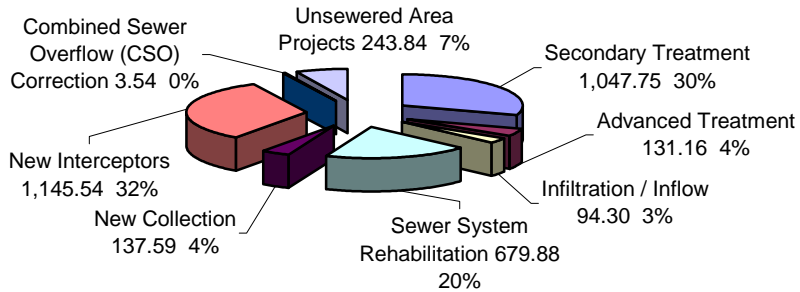
January 2006



Minnesota Pollution Control Agency

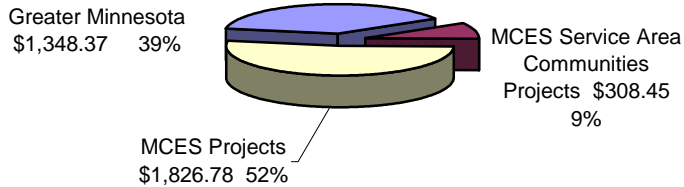
► **Statewide Infrastructure Needs**

Responding to the Minnesota Pollution Control Agency (MPCA) 2005 survey of wastewater treatment and collection system needs, Minnesota's communities identified **over one thousand wastewater infrastructure projects** at a cost of over **3.4 billion dollars**. Projects are needed to rehabilitate, expand and improve wastewater collection and treatment and to extend sewer systems to unsewered areas. The distribution of costs by type of project is as follows (costs are in millions of dollars):



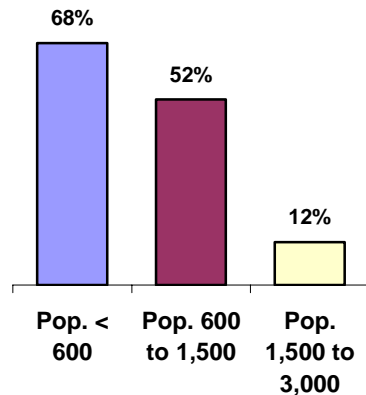
► **Greater Minnesota & Metropolitan Council Environmental Services (MCES) Service Area Needs**

The distribution of needs for Greater Minnesota as compared to MCES and the approx. 180 Twin Cities communities served by MCES is as follows (costs in millions of dollars):



► **Project Affordability: Effects of Economies of Scale**

Communities with low populations frequently struggle with the affordability of wastewater infrastructure – they lack the economies of scale that help keep costs down in more populous cities. (see pages 12 & 13). The Chart indicates -- the percentage of infrastructure projects where household capital and operational costs exceed 1.7% of median household income (MHI). U.S. Dept. of Ag. Rural Development has identified 1.7% as a cost ceiling for an affordable project.





Future Wastewater Treatment Needs and Capital Costs A Report to the Legislature/January 2006

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The Appendices to *Future Wastewater Infrastructure Needs and Capital Costs* are bound as a separate document and will be provided upon request. Appendix 2 may be provided statewide or for specific counties or Economic Development Regions, upon request. The Report and the Appendices will also be available early in 2006 at the MPCA web site:
<http://www.pca.state.mn.us/hot/legislature/reports/2006/index.html>

Part V. Appendices to *Future Wastewater Infrastructure Needs and Capital Costs*

- Appendix 1: 2005 Wastewater Infrastructure Needs Survey (WINS) – Communities Providing Estimates of Future Wastewater Infrastructure Costs Summarized by Economic Development Regions and Counties (28 pages)
- Appendix 2: 2005 WINS – Descriptions of Individual Community Needs, Projects, Costs and Affordability (162 pages – alphabetical)
- Appendix 3: Minn. Stat. § 115.03 Subd. 9
- Appendix 4: State Fiscal Year 2006 Project Priority List (PPL) (alphabetical and priority)
- Appendix 5: Communities Served by Metropolitan Council Environmental Services (MCES)
- Appendix 6: Survey Responses and Methodological Considerations

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Introduction

The Purpose and Scope of this Report

In keeping with Minn. Stat. § 115.03 Subd.9¹, the Minnesota Pollution Control Agency (MPCA) has prepared this report on:

- Future infrastructure needs and capital costs of rehabilitating, improving and expanding publicly owned wastewater treatment and collection systems;
- Cost increases to residential users resulting from currently planned wastewater infrastructure projects;
- The affordability of such costs; and,
- The Environmental Protection Agency's (EPA's) Impaired Waters - Total Maximum Daily Load (TMDL) program and how this emerging program will affect wastewater treatment facilities expansions and effluent limits.

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 MPCA². In addition to providing an overview of existing permitted facilities, the report identifies approximately 62 unsewered area project proposals from communities that do not currently have municipal facilities but plan to construct collection and treatment systems or to construct collection sewers and connect to treatment in adjoining communities or sanitary districts. The ownership and operation of publicly owned wastewater treatment and collection systems is the work of approximately 680 Minnesota cities and sanitary districts. Of the latter, Metropolitan Council Environmental Services (MCES) and the Western Lake Superior Sanitary District (WLSSD) 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 Individual Sewage Treatment Systems (ISTS) which account for approximately 25% of the domestic wastewater discharged by Minnesota residences;
- Stormwater Collection Systems and Management and Treatment Practices. Based primarily on population approximately two-hundred of Minnesota's municipalities are responsible for stormwater management according to the conditions of NPDES stormwater permits. Stormwater in communities sanitary districts and watershed districts, not subject to stormwater permits is managed according to nonpoint source best management practices (BMPs);
- Publicly owned wastewater treatment facilities with flows less than 10,000 gallons per day (approximately 40 households) and land based disposal. These facilities are not issued NPDES or SDS permits.

¹ A copy of Minn. Stat. § 115.03 Subd.9 is included as Appendix 4.

² ..Publicly owned wastewater treatment facilities with land based disposal and flows less than 10,000 gallons per day (approx. 40 households) are not NPDES or SDS permitted.

Basics of Wastewater and Wastewater Treatment

Wastewater or sewage is generated and discharged by households, businesses and industries. A typical household generates approximately 250 gallons of wastewater per day. The majority of wastewater generated in Minnesota (approximately 75 %) is discharged to sanitary sewer collection systems and flows to municipally operated wastewater treatment facilities where it is treated and released. The remainder is discharged by households and businesses to Individual Sewage Treatment Systems (ISTS) and to privately operated, primarily industrial treatment facilities.

Wastewater is typically about 99 percent water and 1 percent organic matter, solids, nutrients, potentially disease-causing organisms and other pollutants. These materials are suspended and dissolved in the wastewater. Sewage treatment is a multi-stage process to renovate wastewater and reduce or eliminate pollutants and nutrients before the treated wastewater is discharged to a river, lake, stream or wetland, applied to the land or reused. 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. There are also more advanced treatment systems that may focus on a specific pollutant or nutrient such as phosphorous. Wastewater treatment processes range from the relatively simple (stabilization ponds) to very complex (activated sludge treatment facilities), but all require careful operation and management to ensure the protection of the water body that receives the discharge. In wastewater treatment plants trained operators measure and monitor the incoming sewage, the treatment process and the final effluent which is discharged to the lakes and streams of Minnesota. These operators are licensed and certified by the MPCA.

Minnesota's waters are affected by pollutants from three primary sources: Point source pollution which includes discharges from wastewater treatment facilities; Nonpoint pollution which includes stormwater and runoff from other land use activities such as agriculture and forestry, and; atmospheric deposition. Each receiving body of water has limits to the amount of pollutants it can receive without degradation. These limits are carefully identified and defined as the Total Maximum Daily Load (TMDL) of the receiving waters. Accordingly, each sewage treatment plant has a permit stipulating the allowable levels of pollutants in the treated discharge. The majority of Minnesota's wastewater treatment facilities operate according to United States Environmental Protection Agency (USEPA), National Pollutant Discharge Elimination System (NPDES) permits. These permits are issued by the MPCA according to a delegation agreement with the USEPA. Treatment facilities that discharge to land using, for example, spray irrigation, receive State Disposal System (SDS) permits instead of NPDES permits.

ISTS systems do not receive NPDES or SDS discharge permits. Instead water quality and public health goals and standards are maintained through a program for registering and licensing those who install, inspect and maintain ISTS systems and by local government building permits and inspections of design, installation and operation. ISTS installation and maintenance contractors are registered and licensed by the MPCA and participate in ongoing training and education programs provided by the MPCA and the University of Minnesota Extension Service.

Types of Infrastructure Costs: Capital Costs, Operation and Maintenance Costs

While this report focuses on future capital costs, publicly owned and operated wastewater treatment and collection systems are subject to both capital costs and operation and maintenance costs. Capital costs are for constructing wastewater infrastructure, rehabilitations, improvements and expansions. Operation and maintenance costs include personnel costs and the costs of chemicals, supplies, laboratory analysis, power, equipment repair and replacement, etc.

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

- Infrastructure rehabilitation and replacement,
- Community growth and corresponding infrastructure expansion,
- Development of systems to address wastewater collection and treatment in unsewered and under-sewered communities, and
- Treatment facility upgrades to meet new and/or more restrictive wastewater discharge standards (i.e., NPDES and SDS permit conditions and requirements or implementation of TMDLs).

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,
- Collection system expansions,
- Inflation, and
- Changes in operation and maintenance to achieve new and/or more restrictive discharge standards.

Data Sources

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

The 2005 Wastewater Infrastructure Needs Survey (WINS)

The 2005 WINS survey was mailed to communities and sanitary districts in September, 2005 with completed surveys being received and data entered through mid-December. Communities are required to complete the WINS survey biennially as a part of their NPDES and SDS permit conditions. This information is acquired so that the State can identify future wastewater infrastructure needs over the next twenty years.

The State Fiscal Year (SFY) 2006 Project Priority List (PPL) August 2005

The Project Priority List (PPL) consists of project proposals submitted to the MPCA by communities and sanitary districts seeking financial assistance for sewer and wastewater treatment construction projects. Proposals include information describing and supporting the needs that will be addressed by the project. The MPCA prepares the PPL annually by ranking project proposals according to environmental criteria defined by Minnesota Rule Chapter 7077.

The PPL is then used by the Public Facilities Authority (PFA) to develop the Intended Use Plan (IUP) for the disbursement of State Revolving Fund (SRF) low-interest loans and for the disbursement of Wastewater Infrastructure Fund (WIF) grants and loans. State Fiscal Year 2006 PPL is included as Appendix 4 of this Report. Information regarding the SRF, WIF and the SFY 2006 IUP is available at the PFA website: www.deed.state.mn.us/community/assistance/pfa.htm. Infrastructure needs addressed by SFY 2006 PPL project proposals are a subset of, and represent approximately 20% of the total number of wastewater project proposals and 47% of the overall costs identified by the 2005 WINS Survey.

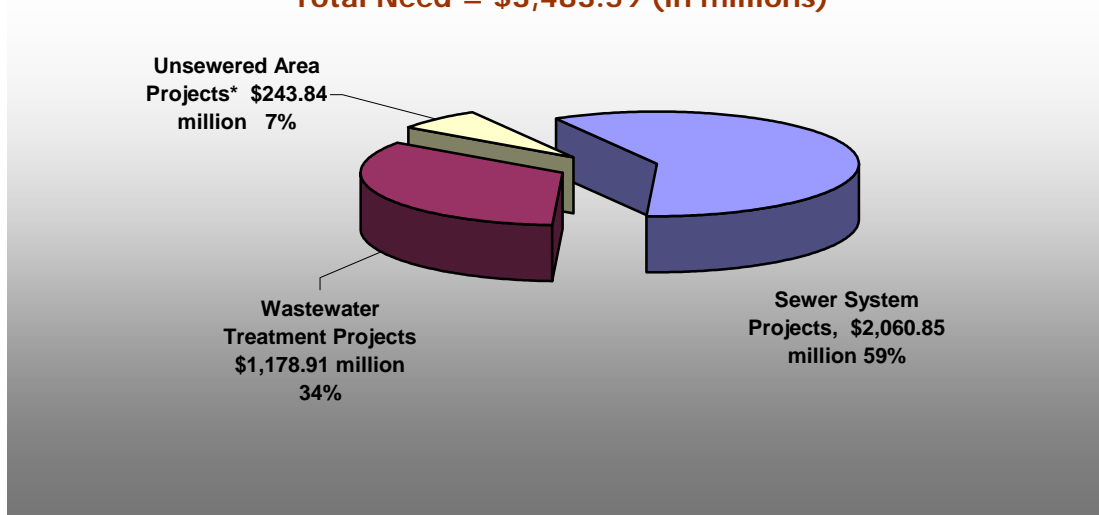
Minnesota Rule Chapter 7077 is being revised to update the ranking procedures and criteria of the Project Priority List. The revisions are scheduled to be completed by March of 2006. The SFY 2006 PPL utilized in this Report is based on Chapter 7077 as in effect prior to revision.

Part I. Summary Information:

2006 Future Wastewater Infrastructure Needs and Capital Costs

This section provides summary information on future wastewater infrastructure needs and corresponding capital costs facing Minnesota communities and sanitary districts. The summary data is based on over one thousand wastewater infrastructure projects identified as future needs in the 2005 WINS survey and/or listed on the current State Fiscal Year 2006 Project Priority List (PPL). Summaries are provided statewide according to types of need (e.g., treatment facilities projects, sewer rehabilitation, etc.), the contrasting needs of Greater Minnesota and the Twin Cities Metropolitan Area, Minnesota's Economic Development Regions, and the proposer's projected time frame (i.e., current 0-5 years, 5-10 years, 10-20 years). The following charts and tables provide a basic overview of the projected \$3,483.59 million in wastewater infrastructure needs.

Chart 1: Statewide Wastewater Infrastructure Needs by Project Type
Total Need = \$3,483.59 (in millions)



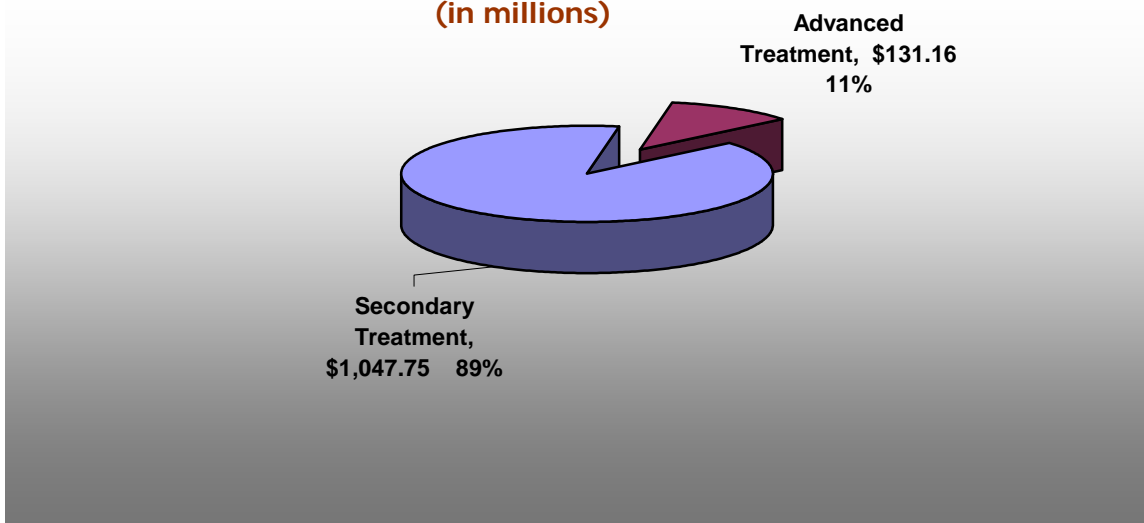
* The Unsewered area projects identified by this report are limited to those that have requested placement on the SFY 2006 Project Priority List PPL (For PPL see above discussion of Data Sources). The overall potential need to address unsewered areas with failed or inadequate ISTS systems is much greater, estimated by the MPCA at approximately 1 billion dollars. For a discussion of ISTS needs please see [A 10-Year Plan to Correct Onsite \(ISTS\) Sewage Treatment Problems: An MPCA Legislative Report 2004](http://www.pca.state.mn.us/publications/reports/lrwq-wwists-1sy04.pdf) <http://www.pca.state.mn.us/publications/reports/lrwq-wwists-1sy04.pdf>

Definition of Project Types

- **Sewer System Projects** – Projects involving the rehabilitation, construction and/or expansion of existing sewer collection and interceptor sewer systems and projects to correct infiltration and inflow and/or combined sewer overflows.
- **Unsewered Area Projects** – Projects to address wastewater in communities or areas that do not have existing sewer collection systems or facilities. Solutions may include or involve individual sewage treatment systems (ISTS) and cluster systems as well as conventional centralized sewer collection and treatment.
- **Wastewater Treatment Projects** – The construction, improvement, expansion of treatment facilities/works/plants for the secondary and advanced treatment of wastewater to meet water quality standards.

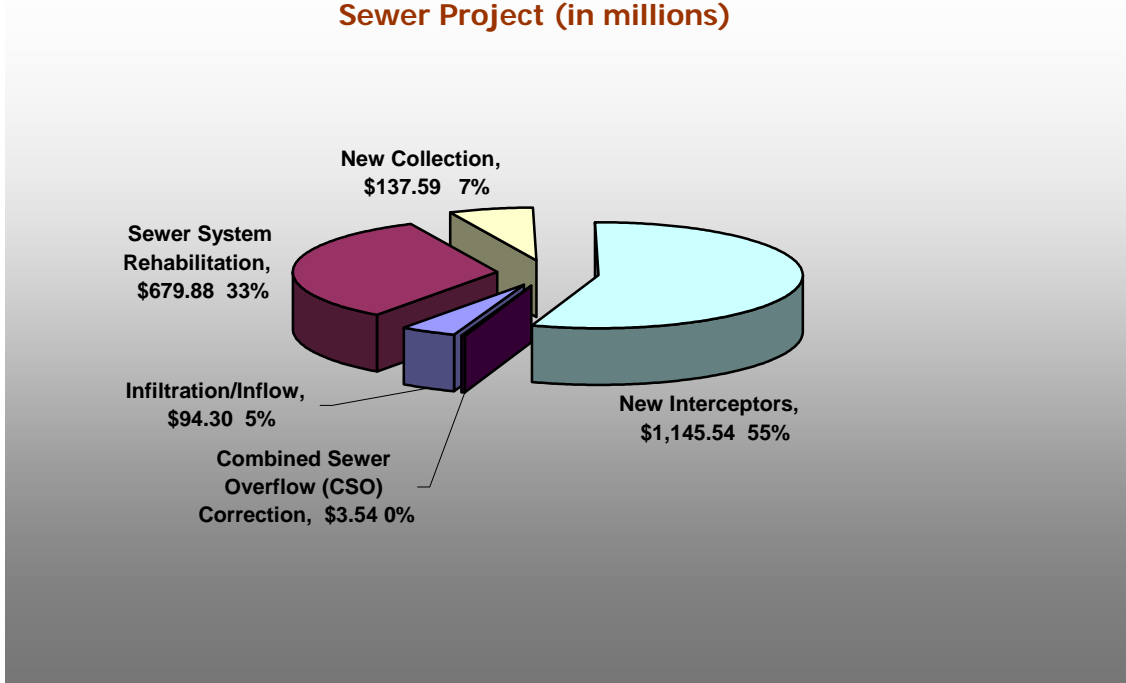
The \$1,178.91 million dollars in wastewater treatment project costs for the rehabilitation, improvement and expansion of wastewater treatment facilities and processes are distributed between secondary and advanced treatment as indicated in Chart 2:

Chart 2: Statewide Distribution of Wastewater Treatment Facility Needs According to Secondary and Advanced Treatment (in millions)



Of the \$2,060.85 million dollars of sewer system projects to rehabilitate, improve and expand sewer collection and interceptor systems, costs are distributed as indicated in Chart 3.

Chart 3: Statewide Distribution of Sewer System Needs by Type of Sewer Project (in millions)



Greater Minnesota Needs & 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 are those of Metropolitan Council Environmental Services (MCES) and the corresponding sanitary sewer system needs of Twin Cities communities receiving wastewater treatment and interceptor services from MCES*.

Chart 4: Distribution of \$3,483.59 million Statewide Need between Greater Minnesota and the MCES Service Area (in millions)

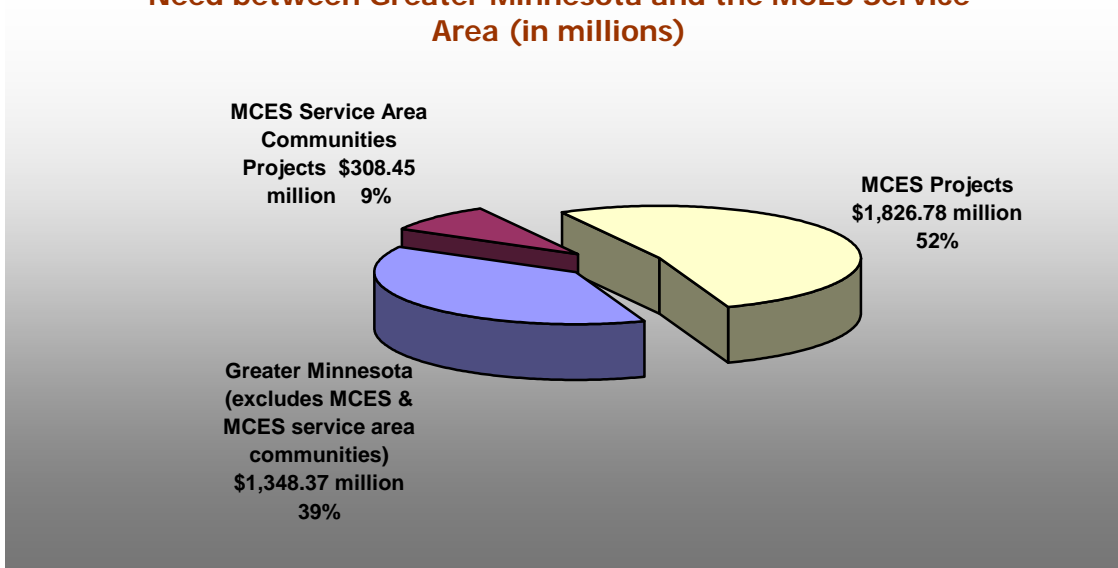
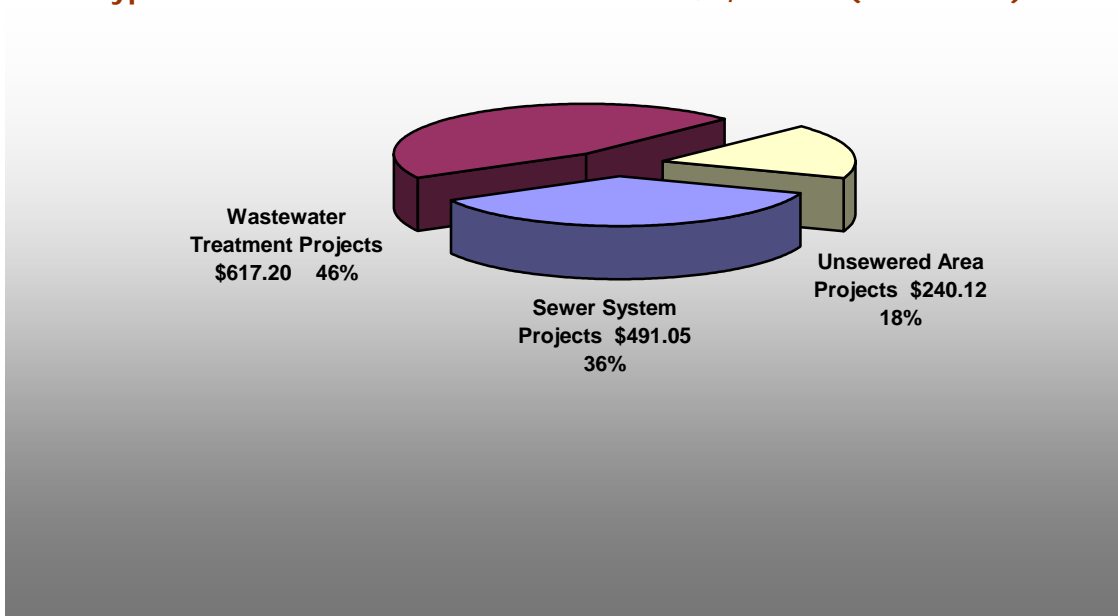


Chart 5: Greater Minnesota Wastewater Infrastructure Needs by Project Type -- Total Greater Minnesota Need = \$1,348.37 (in millions)



* -- The MCES service area encompasses approximately 180 communities with a total population of: 2,633,609, 53% of the State's total population (2000 US Census) Please see Appendix 5 for a list of MCES Service Area Communities.

Chart 6: Greater Minnesota Wastewater Infrastructure Needs by Treatment Facilities and Sewer System Type -- Total Greater Minnesota Need = \$1,348.37 (in millions)

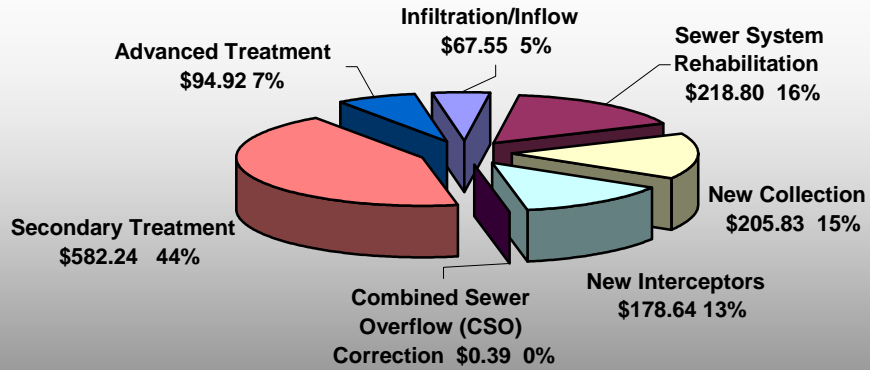
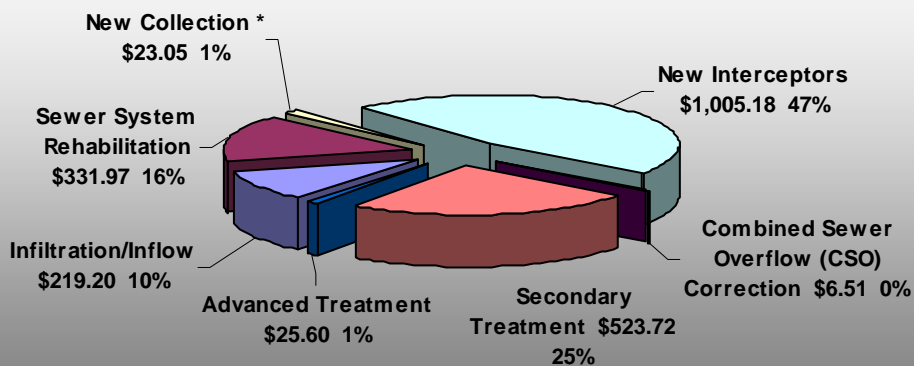


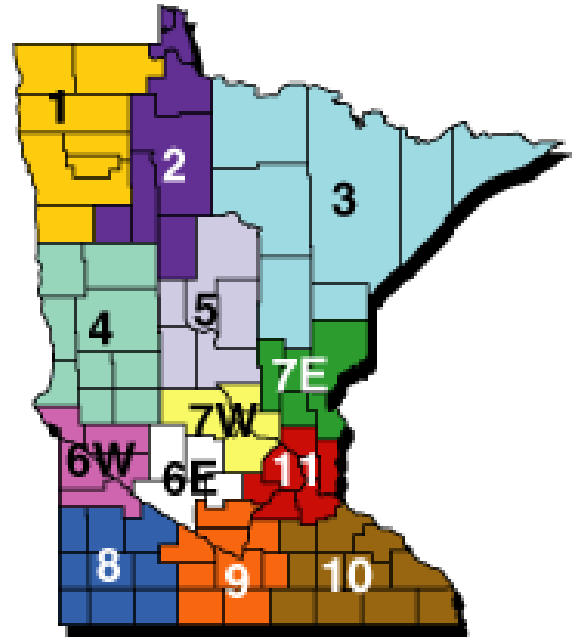
Chart 7: MCES & MCES Service Area Communities Wastewater Infrastructure Needs by Treatment Facilities and Sewer System Type – Total Need = \$2,135.23 (in millions)



* The need identified as “New Collection” under represents new collection activity in the MCES Service Area. A widespread practice of expanding suburban communities is to require that developers incorporate wastewater collection infrastructure into development projects and consequently it is not reported to the WINS survey as a *public* need.

Table 1: Projected Wastewater Infrastructure Needs by Minnesota's Economic Development Regions

| Economic Development Regions (EDR) | Projected Wastewater Infrastructure Needs (\$ million) |
|--|--|
| 1 | 19.79 |
| 2 | 12.91 |
| 3 | 242.67 |
| 4 | 151.25 |
| 5 | 81.74 |
| 6E | 66.64 |
| 6W | 16.75 |
| 7E | 125.95 |
| 7W | 281.69 |
| 8 | 47.74 |
| 9 | 108.39 |
| 10 | <u>315.08</u> |
| Subtotal for Greater Minnesota*: 1,470.60 | |
| 11** | 2,019.99 |
| Statewide Total: <u>3,483.59</u> | |



| | | | | | | | |
|----------------|-------------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|
| EDR # 1 | Lake of the Woods | Clay | Wadena | EDR # 7E | Cottonwood | Le Sueur | Olmsted |
| Kittson | Marshall | Douglas | EDR # 6E | Chisago | Jackson | Martin | Rice |
| Norman | Pennington | Grant | Kandiyohi | Isanti | Lincoln | Nicollet | Steele |
| Polk | Red Lake | EDR # 3 | McLeod | Kanabec | Lyon | Sibley | Wabasha |
| Roseau | St. Louis | Aitkin | Meeker | Mille Lacs | Murray | Waseca | Winona |
| EDR # 2 | Hubbard | Carlton | Renville | Pine | Nobles | Watonwan | EDR # 11 |
| Beltrami | Becker | Cook | EDR # 6W | EDR # 7W | Pipestone | EDR # 10 | Anoka |
| Clearwater | | Roseau | Big Stone | Benton | Redwood | Dodge | Carver |
| Hubbard | | Itasca | Chippewa | Sherburne | Rock | Fillmore | Dakota |
| | | Lake | Lac qui Parle | Stearns | EDR # 9 | Freeborn | Hennepin |
| | | St. Louis | Swift | Wright | Blue Earth | Goodhue | Ramsey |
| | | EDR # 4 | Yellow Medicine | EDR # 8 | Brown | Houston | Scott |
| | | Morrison | | | Faribault | Mower | Washington |
| | | Todd | | | | | |

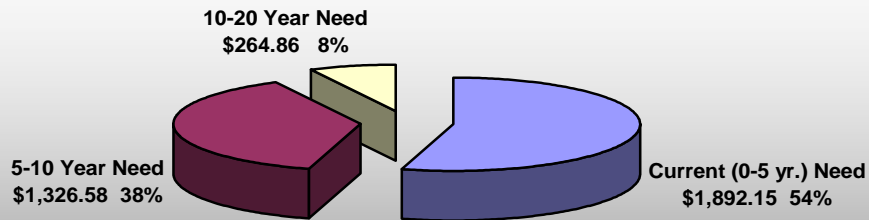
* EDRs 7E & 7W include three Twin Cities Metro Counties: Chisago, Sherburne, and Wright

** Twin Cities Metropolitan Area (includes Metropolitan Council Environmental Services (MCES))

Statewide Needs by Timeframe

Chart 8 below, illustrates wastewater infrastructure needs according to time frames. As indicated, the majority of costs are identified as current needs. Infrastructure costs of 5-10 years and 10-20 years may be under represented, 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. (See “Appendix 6: Survey Responses and Methodological Considerations” for further discussion of this point.)

**Chart 8: Wastewater Infrastructure Needs by Time Frame
(in millions)**



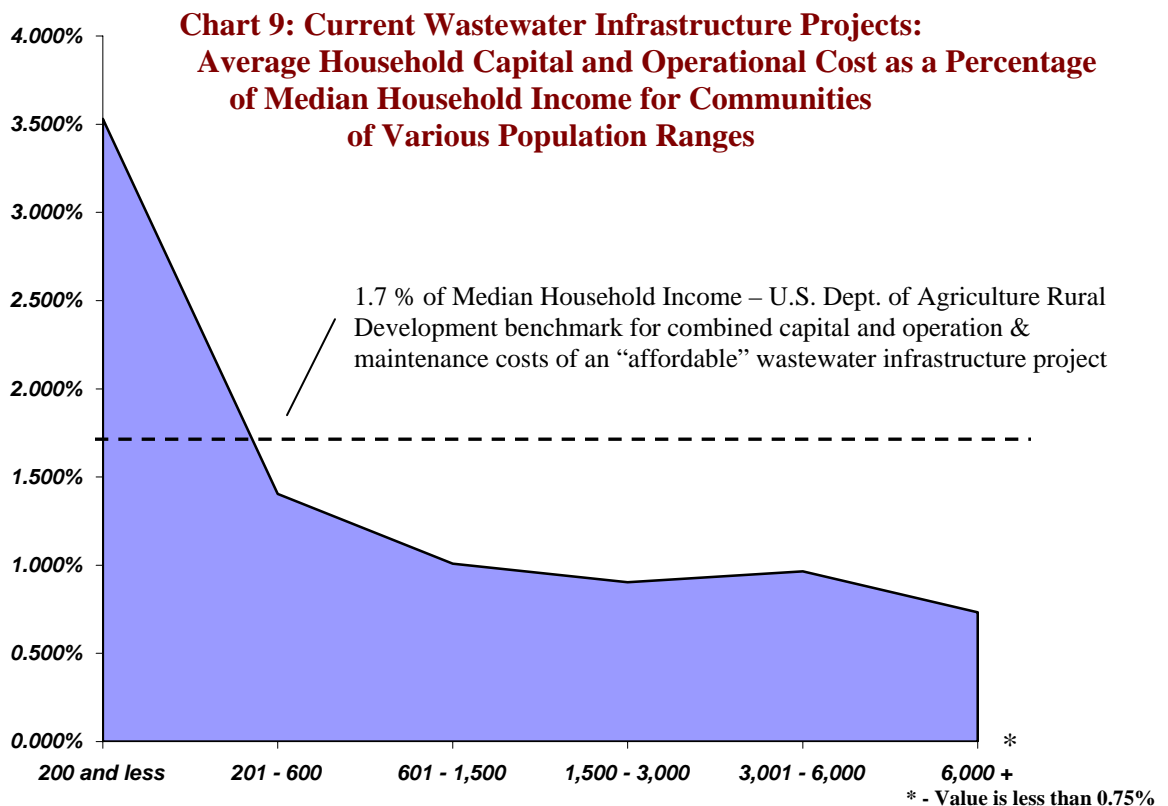
Part II. Summary Information:

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. In determining the effects of infrastructure costs on households, the following assumptions have been made:

- Current (0 – 5 yr.) projects are assigned an estimated market rate loan of 4.50 percent over 20 years.
- Residential connections are assumed to be responsible for providing 90 percent of the debt service payments for individual communities and projects. This general assumption may not apply to specific communities where, for example, a treatment facility’s expansion is being funded by industrial development, in which case the residential share of a project could be considerably less than 90 percent.
- With sewer system collection or interceptor costs, affordability figures assume that such costs are spread across the entire community at 90 percent for residential connections, whereas such costs may in fact be localized and limited within communities and paid according to special assessments.

Chart 9 below illustrates the relationship between the size of communities and household costs. Costs are for current (0 – 5 yrs.) infrastructure projects and operation and maintenance, and are presented as a percentage of annual median household income (2000 U.S. Census). The graph indicates the pronounced effect of economies of scale on household costs and affordability. The affordability of projects is frequently an immediate concern for communities with populations less than 600.



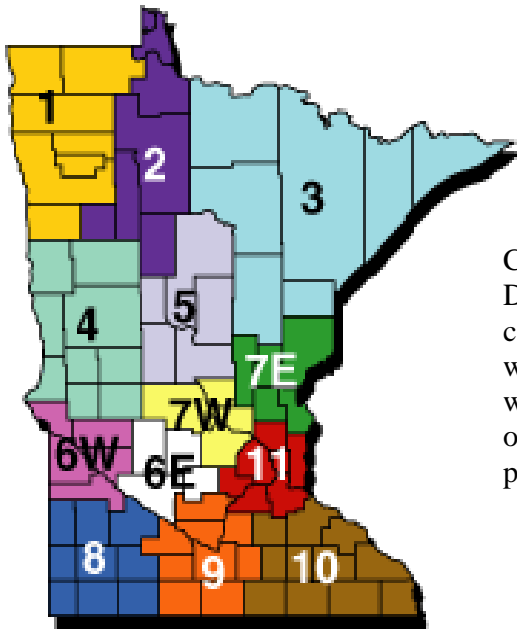
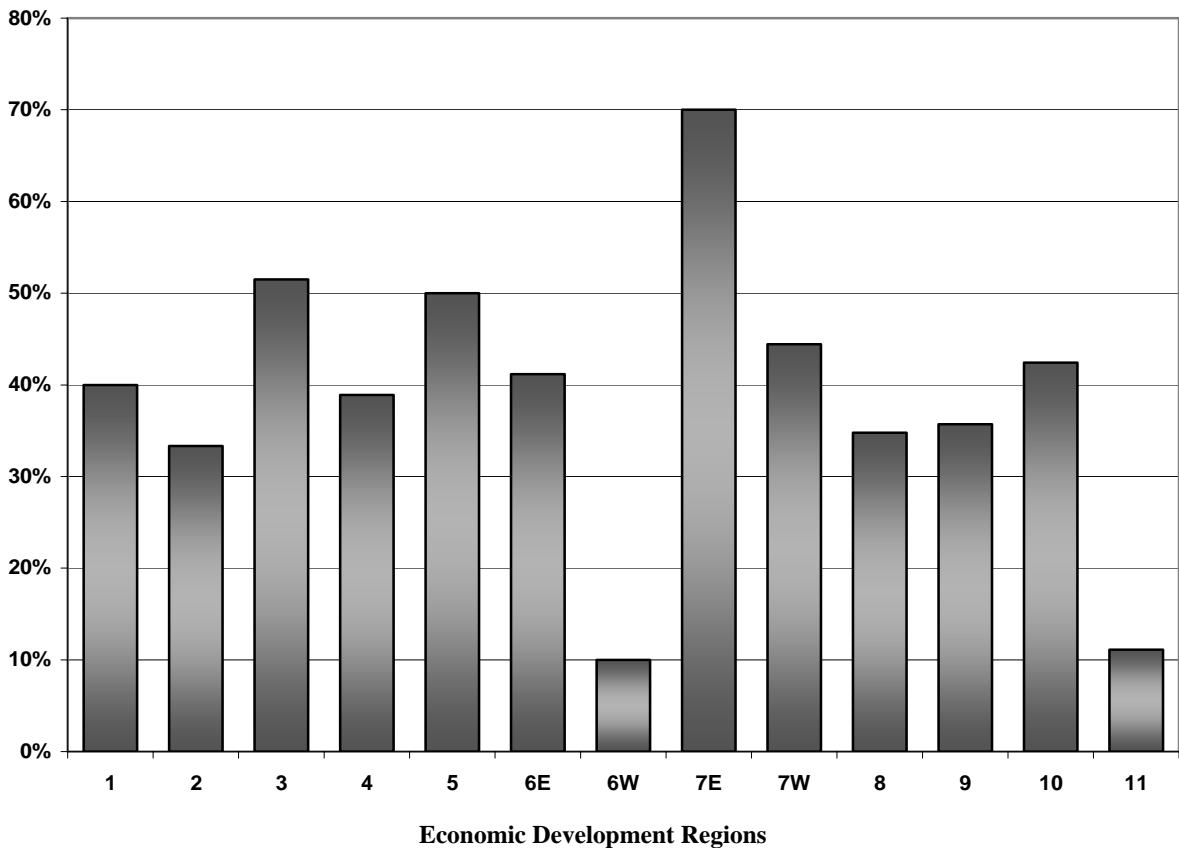


Chart 10 below indicates within each Economic Development Region (EDR) the percentage of communities responding to the WINS survey where the cost of paying for current (0 – 5 yrs.) wastewater infrastructure needs along with operating and maintenance costs exceed 1.7 percent of median household income.

Chart 10: Percentage of Communities with Wastewater Infrastructure Needs Exceeding 1.7% of Median Household Income



Part III. Impaired Waters and TMDLs

Despite decades of progress in cleaning up water pollution, hundreds of Minnesota's lakes, rivers and streams are still not healthy enough for people to use safely and enjoy. These polluted, or "impaired," waters do not meet water quality standards and pose risks to people, aquatic life, and recreation. They can contain too much sediment, bacteria, mercury, phosphorus and other contaminants.

The Federal Clean Water Act requires the states to take specific steps to address their polluted waters including:

- Identify and list surface waters that fail to meet applicable water-quality standards.
- Evaluate polluted waters to determine sources of pollution and the amount of reduction needed to restore the waters. [Total Maximum Daily Load Studies (TMDLs)]
- Make reasonable progress in cleaning up or restoring these waters.

Only a small fraction of Minnesota's lakes and streams have been assessed. As more data is gathered, the number of polluted water listings has been growing, with another 396 proposed to be added in April, 2006. To date, about 40 percent of the waters that have been assessed in Minnesota are impaired by one or more pollutants (this is consistent with the findings of other states). After a comprehensive assessment of all Minnesota's water resources, it is predicted that there may be over 10,000 impairments statewide, located in nearly every watershed in the state.

This is a serious environmental, economic development and legal issue for Minnesota and has become the focus of a Clean Water Legacy Partnership, a broad-based coalition of farm, industry, conservation, environmental and local government organizations. This partnership has dedicated significant time and effort to developing a set of recommendations, currently under consideration by the Minnesota Legislature, called the Clean Water Legacy Act (CWLA).

The CWLA would provide \$80 million per year for the next decade to address polluted waters. Although the policy recommendations in the bill have generally been embraced, policy-makers could not agree on a mechanism for funding the CWLA during the 2005 Legislative Session. The Partnership plans to bring the bill before legislators again in the 2006 Session.

Adding to the urgency for Minnesota to deal with its polluted waters is a state Court of Appeals decision issued in August 2005 that prohibits new wastewater discharges to polluted waters. As a result, a growing number of cities and industries in Minnesota are finding they cannot construct new facilities to accommodate growth and development, or to replace facilities that are failing or at the end of their useful life.

Five TMDLs addressing 29 impairments have been approved by the EPA to date. As more TMDL studies are concluded emphasis will shift to implementation of point and nonpoint source measures to eliminate impairments. Biennial updates of the *Future Wastewater Infrastructure Needs and Capital Costs* report will assess the fiscal impact of TMDL implementation on the wastewater infrastructure costs of communities. For additional information on impaired waters activities at the MPCA, see the Agency's TMDL web page at www.pca.state.mn.us/water/tmdl or contact Jeff Risberg at (651) 296-7231.

Part IV. Estimating Future Costs

A number of factors influence the variability between reported estimates of future costs and the actual costs of infrastructure improvements encountered during construction. There are also conditions affecting the availability and timeliness of cost estimates.

The timeframe from when a need is identified and costs are estimated to the completion of construction consists of several phases (described in more detail on page 12):

- Recognition of Need,
- Facilities Planning,
- Plans and Specifications, and
- Bidding and Construction.

The WINS survey uses three timeframes for cost estimates:

- *Current Needs* (Immediate needs up to five years),
- *Five – 10 Year Needs*, and
- *10 – 20 Year Needs*.

The longer the timeframe from the initial estimate of future costs to the actual date of construction, the greater the likelihood of variability between the initial estimate and the actual construction costs. Correspondingly, as an anticipated project moves from initial planning to facility planning to the development of construction plans and specifications, cost estimates will become more detailed, refined and precise. There are, however, exceptions to this overall process.

Conditions affecting the availability and timeliness of cost information include:

Cost Estimates from Active Projects

Communities that have already identified a wastewater need and are *actively planning and developing a project* will characteristically have readily available needs and cost information. Such information is likely to be both reasonably accurate and up-to-date. Accordingly, projects currently on the PPL are more likely to have readily available and well-developed cost information than communities not yet actively engaged in assessing and addressing needs.

Community Capabilities, Resources and Expertise

Correspondingly, the accuracy of future cost estimates are also affected by the availability of resources and expertise to:

- Effectively monitor, survey and track the condition of existing infrastructure and ascertain the need for rehabilitation and replacement;
- Engage in strategic planning to address growth and expanding capacity needs; and
- Estimate project costs, including architectural and engineering specifications, construction costs planning and project administration.

Given these factors, the *capability* of a community or sanitary district to estimate the future costs of wastewater treatment has to do with the availability of resources and expertise. The availability of resources and expertise is, in turn, dependent upon the number of connections and the economies of scale within a community or sanitary district. In general, as the population of a service area exceeds one-thousand

residents, it becomes increasingly feasible for communities and sanitary districts to engage in capital improvement planning for wastewater infrastructure. Smaller communities that are not faced with an immediate need tend to have problems exercising the administrative capabilities and acquiring the resources necessary to survey or plan for infrastructure improvements.

Part V. Appendices to 2006 Future Wastewater Infrastructure Needs and Capital Costs are bound as a separate document available upon request. The *Table of Contents* above (page 1) briefly describes the Appendices. The Report and the Appendices will also be available early 2006 at the MPCA web site: <http://www.pca.state.mn.us/hot/legislature/reports/2006/index.html>



Appendices to the Report: Future Wastewater Infrastructure Needs and Capital Costs

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Minnesota Pollution Control Agency



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Appendix 1

2005 Wastewater Infrastructure Needs Survey (WINS) –Communities Providing Estimates of Future Wastewater Infrastructure Needs and Capital Costs (28 pages). Summarized by Economic Development Regions (EDRs) and Counties. *A map of Minnesota's EDRs and a table listing counties by EDR is provided on page 10 of the Report*

Appendix 2

2005 WINS – Descriptions of Individual Community Needs, Projects, Costs and Affordability (162 pages – alphabetical by community) *Project descriptions and notes identify projects listed on the State Fiscal year 2006 Project Priority List (PPL), and projects that are a part of the Twin Cities Metropolitan Council Environmental Services (MCES) service area. Appendix 2 is provided with statewide results, but can also be provided upon request for specific counties and/or Economic Development Regions.*

Appendix 3

Minn. Stat. § 115.03 Subd. 9

Appendix 4

State Fiscal Year 2006 Project Priority List (PPL) *(alphabetical and priority order copies) The PPL is described on page 5 of the Report.*

Appendix 5

Communities Served by Metropolitan Council Environmental Services (MCES) *(alphabetical by community)*

Appendix 6

Survey Responses and Methodological Considerations

Appendix 1: 2006 Future Wastewater Infrastructure Needs and Capital Costs
Communities Providing 2005 WINS Survey Estimates of Future
Wastewater Infrastructure Needs and Costs
Summarized by Economic Development Regions and Counties*

| Economic Development Region (Number) 1 | | |
|---|----------------------------------|---|
| County | Community / Population** | Estimated Project(s) Cost (millions) |
| Kittson | | |
| | Kennedy 255 | \$.05 |
| | | \$0.05 |
| Marshall | | |
| | Oslo 347 | \$.074 |
| | Stephen 708 | \$.145 |
| | | \$2.19 |
| Norman | | |
| | Ada 1,657 | \$.017 |
| | Gary 215 | \$.174 |
| | Halstad 622 | \$.190 |
| | Shelly 266 | \$.141 |
| | Twin Valley 865 | \$.098 |
| | | \$6.19 |
| Pennington | | |
| | St. Hilaire 272 | \$.083 |
| | | \$0.83 |
| Polk | | |
| | Climax 243 | \$.015 |
| | Crookston 8,192 | \$.119 |
| | East Grand Forks 7,501 | \$.179 |
| | Fisher 435 | \$.115 |
| | Fosston 1,575 | \$.011 |
| | Mentor 150 | \$.185 |
| | Nielsenville 91 | \$.073 |
| | | \$6.97 |
| Roseau | | |

* Please note that due to alpha characters in the EDR identifiers the order in which EDRs are reported is: 1, 10, 11, 2, 3, 4, 5, 6E, 6W, 7E, 7W, 8, 9
 ** Population from 2000 U.S. Census.

Appendix 1: 2006 Future Wastewater Infrastructure Needs and Capital Costs
Communities Providing 2005 WINS Survey Estimates of Future
Wastewater Infrastructure Needs and Costs
Summarized by Economic Development Regions and Counties*

| | | |
|-----------|-----------------|--------|
| Greenbush | 334 | \$.017 |
| Warroad | 1,722 | \$.339 |
| | | \$3.56 |

Economic Development Region: 1
Total Estimated Costs to address identified needs: \$19.79 million

* Please note that due to alpha characters in the EDR identifiers the order in which EDRs are reported is: 1, 10, 11, 2, 3, 4, 5, 6E, 6W, 7E, 7W, 8, 9
 ** Population from 2000 U.S. Census.

Appendix 1: 2006 Future Wastewater Infrastructure Needs and Capital Costs
Communities Providing 2005 WINS Survey Estimates of Future
Wastewater Infrastructure Needs and Costs
Summarized by Economic Development Regions and Counties*

| Economic Development Region (Number) 10 | | |
|--|--|---|
| County | Community / Population** | Estimated Project(s) Cost (millions) |
| Dodge | | |
| | Claremont 620 | \$.1.96 |
| | Kasson 4,398 | \$.0.06 |
| | West Concord 836 | \$.2.26 |
| | | \$4.28 |
| Fillmore | | |
| | Fountain 343 | \$.0.82 |
| | Harmony 1,080 | \$.0.63 |
| | Mabel 766 | \$.1.57 |
| | Ostrander 212 | \$.0.50 |
| | Peterson 269 | \$.0.60 |
| | | \$4.12 |
| Filmore | | |
| | Chatfield 2,394 | \$.6.70 |
| | | \$6.70 |
| Freeborn | | |
| | Albert Lea 18,356 | \$.2.16 |
| | Manchester 81 | \$.0.84 |
| | Myrtle 63 | \$.0.65 |
| | | \$3.65 |
| Goodhue | | |
| | Cannon Falls 3,795 | \$.5.00 |
| | Red Wing 16,116 | \$.8.00 |
| | Wanamingo 1,007 | \$.1.00 |
| | | \$14.00 |
| Houston | | |
| | Caledonia 2,965 | \$.4.45 |

* Please note that due to alpha characters in the EDR identifiers the order in which EDRs are reported is: 1, 10, 11, 2, 3, 4, 5, 6E, 6W, 7E, 7W, 8, 9
** Population from 2000 U.S. Census.

Appendix 1: 2006 Future Wastewater Infrastructure Needs and Capital Costs
Communities Providing 2005 WINS Survey Estimates of Future
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Summarized by Economic Development Regions and Counties*

| | | | | |
|----------------|------------------|--------|-------|----------|
| | Hokah | 614 | | \$.198 |
| | La Crescent | 4,923 | | \$.080 |
| | Spring Grove | 1,304 | ..... | \$.056 |
| | | | | ----- |
| | | | | \$7.79 |
| Mower | | | | |
| | Austin | 23,314 | ..... | \$17.30 |
| | Grand Meadow | 945 | ..... | \$.025 |
| | Le Roy | 925 | ..... | \$.025 |
| | | | | ----- |
| | | | | \$17.80 |
| Olmsted | | | | |
| | Byron | 3,500 | ..... | \$4.59 |
| | Oronoco | 883 | ..... | \$.88 |
| | Rochester | 91,264 | ..... | \$156.02 |
| | Stewartville | 5,411 | ..... | \$.070 |
| | | | | ----- |
| | | | | \$170.19 |
| Rice | | | | |
| | Faribault | 20,818 | ..... | \$16.60 |
| | Lonsdale | 1,491 | ..... | \$.570 |
| | Northfield | 11,798 | ..... | \$.869 |
| | | | | ----- |
| | | | | \$30.99 |
| Steele | | | | |
| | Blooming Prairie | 1,933 | ..... | \$.031 |
| | Ellendale | 590 | ..... | \$.096 |
| | Medford | 984 | ..... | \$.456 |
| | Owatonna | 22,434 | ..... | \$27.50 |
| | | | | ----- |
| | | | | \$33.33 |
| Wabasha | | | | |
| | Elgin | 826 | ..... | \$.600 |
| | Wabasha | 2,599 | ..... | \$.650 |

* Please note that due to alpha characters in the EDR identifiers the order in which EDRs are reported is: 1, 10, 11, 2, 3, 4, 5, 6E, 6W, 7E, 7W, 8, 9
 ** Population from 2000 U.S. Census.

Appendix 1: 2006 Future Wastewater Infrastructure Needs and Capital Costs
Communities Providing 2005 WINS Survey Estimates of Future
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| | | | |
|---------------|--------------|------------------|---------------|
| | Zumbro Falls | 177 | \$1.25 |
| | | | <hr/> \$13.75 |
| Winona | Goodview | 3,373 | \$1.87 |
| | Lewiston | 1,484 | \$0.88 |
| | Winona | 27,069 | \$3.83 |
| | | | <hr/> \$6.58 |
| Wright | Rockford | 3,484 | \$1.90 |
| | | | <hr/> \$1.90 |

Economic Development Region: 10
Total Estimated Costs to address identified needs: \$315.08 million

* Please note that due to alpha characters in the EDR identifiers the order in which EDRs are reported is: 1, 10, 11, 2, 3, 4, 5, 6E, 6W, 7E, 7W, 8, 9
 ** Population from 2000 U.S. Census.

Appendix 1: 2006 Future Wastewater Infrastructure Needs and Capital Costs
Communities Providing 2005 WINS Survey Estimates of Future
Wastewater Infrastructure Needs and Costs
Summarized by Economic Development Regions and Counties*

| | | | Economic Development Region (Number) 11 |
|---------------|--------------------------|------------------|---|
| County | Community / Population** | | Estimated Project(s) Cost <i>(millions)</i> |
| Anoka | | | |
| | Centerville | 3,202 | .\$0.07 |
| | Coon Rapids | 61,607 | .\$1.00 |
| | Fridley | 27,449 | .\$0.24 |
| | Hamburg | 12,710 | .\$2.88 |
| | Lino Lakes | 16,791 | .\$0.40 |
| | Oak Grove | 3,957 | .\$0.70 |
| | St. Francis | 4,910 | .\$6.06 |
| | | | <hr/> \$11.35 |
| Carver | | | |
| | Carver | 1,266 | .\$16.80 |
| | Chanhassen | 20,321 | .\$9.24 |
| | Chaska | 17,449 | .\$13.27 |
| | Cologne | 1,012 | .\$2.90 |
| | Mayer | 404 | .\$4.48 |
| | New Germany | 450 | .\$0.50 |
| | Norwood Young A | 3,108 | .\$0.80 |
| | Waconia | 6,814 | .\$0.15 |
| | | | <hr/> \$48.14 |
| Dakota | | | |
| | Apple Valley | 45,527 | .\$0.30 |
| | Eagan | 63,557 | .\$0.63 |
| | Farmington | 12,365 | .\$2.29 |
| | Hampton | 434 | .\$3.50 |
| | Lakeville | 43,128 | .\$4.11 |
| | Mendota Heights | 11,434 | .\$0.32 |

* Please note that due to alpha characters in the EDR identifiers the order in which EDRs are reported is: 1, 10, 11, 2, 3, 4, 5, 6E, 6W, 7E, 7W, 8, 9
 ** Population from 2000 U.S. Census.

Appendix 1: 2006 Future Wastewater Infrastructure Needs and Capital Costs
Communities Providing 2005 WINS Survey Estimates of Future
Wastewater Infrastructure Needs and Costs
Summarized by Economic Development Regions and Counties*

| | | | | |
|-----------------------|------------------|---------|-------|-------------|
| | Randolph | 318 | ..... | .\$3.72 |
| | Vermillion | 437 | ..... | .\$0.70 |
| | West St. Paul | 19,405 | ..... | .\$7.50 |
| | | | | ----- |
| | | | | \$23.07 |
| Hennepin | | | | |
| | Bloomington | 85,172 | ..... | .\$3.50 |
| | Eden Prairie | 54,901 | ..... | .\$0.28 |
| | Edina | 47,425 | ..... | .\$4.67 |
| | Golden Valley | 20,281 | ..... | .\$17.10 |
| | Medicine Lake | 368 | ..... | .\$0.05 |
| | Minneapolis | 382,618 | ..... | .\$12.10 |
| | Plymouth | 65,894 | ..... | .\$23.20 |
| | Richfield | 34,439 | ..... | .\$0.07 |
| | Rogers | 3,588 | ..... | .\$8.62 |
| | St. Louis Park | 44,126 | ..... | .\$1.40 |
| | Tonka Bay | 1,547 | ..... | .\$0.09 |
| | | | | ----- |
| | | | | \$71.07 |
| Metro Counties | | | | |
| | MCES - Metro Cou | 1 | ..... | .\$1,875.08 |
| | | | | ----- |
| | | | | \$1,875.08 |
| Ramsey | | | | |
| | Gem Lake | 419 | ..... | .\$1.26 |
| | Maplewood | 34,947 | ..... | .\$2.63 |
| | Roseville | 33,690 | | .\$4.00 |
| | St. Paul | 287,151 | | .\$146.29 |
| | | | | ----- |
| | | | | \$154.18 |
| Scott | | | | |
| | Belle Plaine | 3,789 | | .\$24.25 |
| | Jordan | 3,833 | | .\$0.09 |

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 ** Population from 2000 U.S. Census.

Appendix 1: 2006 Future Wastewater Infrastructure Needs and Capital Costs
Communities Providing 2005 WINS Survey Estimates of Future
Wastewater Infrastructure Needs and Costs
Summarized by Economic Development Regions and Counties*

| | | | | |
|-------------------|-------------------|--------|-------|---------|
| | New Prague | 116 | ..... | \$.012 |
| | Prior Lake | 15,917 | ..... | \$.2.60 |
| | Savage | 21,115 | ..... | \$.3.95 |
| | Shakopee | 20,568 | ..... | \$.3.50 |
| | | | | ----- |
| | | | | \$34.51 |
| Washington | | | | |
| | Birchwood Village | 968 | ..... | \$.0.41 |
| | Cottage Grove | 30,582 | ..... | \$.1.43 |
| | Oak Park Heights | 26,653 | ..... | \$.0.08 |
| | Oakdale | 6,903 | ..... | \$.0.67 |
| | St. Paul Park | 5,070 | ..... | \$.5.80 |
| | | | | ----- |
| | | | | \$8.39 |

Economic Development Region: 11
Total Estimated Costs to address identified needs: \$2,225.78 million

* Please note that due to alpha characters in the EDR identifiers the order in which EDRs are reported is: 1, 10, 11, 2, 3, 4, 5, 6E, 6W, 7E, 7W, 8, 9
** Population from 2000 U.S. Census.

Appendix 1: 2006 Future Wastewater Infrastructure Needs and Capital Costs
Communities Providing 2005 WINS Survey Estimates of Future
Wastewater Infrastructure Needs and Costs
Summarized by Economic Development Regions and Counties*

| | | | Economic Development Region (Number) 2 |
|-------------------|--------------------------|------------------|--|
| County | Community / Population** | | Estimated Project(s) Cost <i>(millions)</i> |
| Beltrami | | | |
| | Bemidji | 11,917 | .\$5.20 |
| | Kelliher | 294 | .\$0.01 |
| | | | <hr/> \$5.21 |
| Clearwater | | | |
| | Bagley | 1,235 | .\$0.15 |
| | Gonvick | 294 | .\$0.50 |
| | | | <hr/> \$0.65 |
| Hubbard | | | |
| | Akeley | 412 | .\$3.00 |
| | Park Rapids | 991 | .\$3.26 |
| | | | <hr/> \$6.26 |
| Mahnomen | | | |
| | Mahnomen | 1,202 | .\$0.79 |
| | | | <hr/> \$0.79 |

Economic Development Region: 2
Total Estimated Costs to address identified needs: \$12.91 million

* Please note that due to alpha characters in the EDR identifiers the order in which EDRs are reported is: 1, 10, 11, 2, 3, 4, 5, 6E, 6W, 7E, 7W, 8, 9
** Population from 2000 U.S. Census.

Appendix 1: 2006 Future Wastewater Infrastructure Needs and Capital Costs
Communities Providing 2005 WINS Survey Estimates of Future
Wastewater Infrastructure Needs and Costs
Summarized by Economic Development Regions and Counties*

| | | Economic Development Region (Number) | 3 |
|--------------------|---------------------------------|---|---------------|
| County | Community / Population** | Estimated Project(s) Cost <i>(millions)</i> | |
| Aitkin | | | |
| | Aitkin | 1,984 | . \$3.42 |
| | Hill City | 479 | . \$2.20 |
| | Palisade | 118 | . \$0.83 |
| | | | <hr/> \$6.45 |
| Carlton | | | |
| | Cromwell | 143 | . \$2.11 |
| | Moose Lake | 2,239 | . \$0.18 |
| | | | <hr/> \$2.29 |
| Cook | | | |
| | Grand Marais | 1,353 | . \$0.65 |
| | | | <hr/> \$0.65 |
| Itasca | | | |
| | Bigfork | 469 | . \$3.24 |
| | Bovey (Coleraine-T | 1 | . \$0.29 |
| | Cohasset | 2,481 | . \$2.00 |
| | Coleraine | 1,110 | . \$0.60 |
| | Deer River | 903 | . \$1.42 |
| | Effie | 91 | . \$1.20 |
| | Grand Rapids | 7,764 | . \$44.93 |
| | Keewatin | 1,164 | . \$0.16 |
| | Nashwauk | 935 | . \$2.76 |
| | Taconite | 315 | . \$0.50 |
| | | | <hr/> \$57.10 |
| Koochiching | | | |
| | Big Falls | 264 | . \$1.10 |
| | Littlefork | 680 | . \$0.13 |

* Please note that due to alpha characters in the EDR identifiers the order in which EDRs are reported is: 1, 10, 11, 2, 3, 4, 5, 6E, 6W, 7E, 7W, 8, 9
 ** Population from 2000 U.S. Census.

Appendix 1: 2006 Future Wastewater Infrastructure Needs and Capital Costs
Communities Providing 2005 WINS Survey Estimates of Future
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Summarized by Economic Development Regions and Counties*

| | | | | |
|------------------|---------------------|--------|-------|---------|
| | North Koochiching | 1 | | \$.016 |
| | | | | ----- |
| | | | | \$1.38 |
| Lake | | | | |
| | Beaver Bay | 175 | ..... | \$.100 |
| | Knife River-Larsm | 1 | ..... | \$10.80 |
| | Two Harbors | 3,613 | ..... | \$10.40 |
| | | | | ----- |
| | | | | \$22.20 |
| St. Louis | | | | |
| | Aurora | 1,850 | ..... | \$.257 |
| | Biwabik | 954 | ..... | \$.540 |
| | Chisholm | 4,960 | ..... | \$12.40 |
| | Cook | 622 | ..... | \$.164 |
| | Duluth | 86,918 | ..... | \$.452 |
| | Ely | 3,724 | ..... | \$.191 |
| | Eveleth | 3,865 | ..... | \$10.70 |
| | Floodwood | 503 | ..... | \$.030 |
| | Franklin | 498 | ..... | \$.296 |
| | Gilbert | 1,847 | ..... | \$.347 |
| | Hermantown | 7,448 | ..... | \$.217 |
| | Hibbing | 17,071 | ..... | \$.498 |
| | Iron Junction | 93 | ..... | \$.004 |
| | Meadowlands | 111 | ..... | \$.025 |
| | Mountain Iron | 2,999 | ..... | \$.053 |
| | North Shore - Dulut | 1 | ..... | \$.330 |
| | Proctor | 2,852 | ..... | \$.015 |
| | Rice Lake Townshi | 1 | ..... | \$.489 |
| | Silver Creek Towns | 1 | ..... | \$.530 |
| | Tower-Brietung W | 1 | ..... | \$.233 |

* Please note that due to alpha characters in the EDR identifiers the order in which EDRs are reported is: 1, 10, 11, 2, 3, 4, 5, 6E, 6W, 7E, 7W, 8, 9
 ** Population from 2000 U.S. Census.

Appendix 1: 2006 Future Wastewater Infrastructure Needs and Capital Costs
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| | | | |
|-----------------|-----|-----------|----------|
| Winton | 185 | | \$0.55 |
| WLSSD - Western | 1 | | \$82.26 |
| | | | \$152.60 |

Economic Development Region: 3
Total Estimated Costs to address identified needs: \$242.67 million

* Please note that due to alpha characters in the EDR identifiers the order in which EDRs are reported is: 1, 10, 11, 2, 3, 4, 5, 6E, 6W, 7E, 7W, 8, 9
 ** Population from 2000 U.S. Census.

Appendix 1: 2006 Future Wastewater Infrastructure Needs and Capital Costs
Communities Providing 2005 WINS Survey Estimates of Future
Wastewater Infrastructure Needs and Costs
Summarized by Economic Development Regions and Counties*

| | | Economic Development Region (Number) | 4 |
|----------------|---------------------------------|---|----------|
| County | Community / Population** | Estimated Project(s) Cost <i>(millions)</i> | |
| Becker | | | |
| | Audubon 445 | . | \$1.20 |
| | Detroit Lakes 7,348 | . | \$7.09 |
| | Frazee 1,377 | . | \$0.83 |
| | Lake Park 782 | . | \$1.97 |
| | | ----- | \$11.09 |
| Clay | | | |
| | Barnesville 2,173 | . | \$3.87 |
| | Dilworth 3,001 | . | \$0.98 |
| | Hawley 1,882 | . | \$2.13 |
| | Hitterdal 201 | . | \$0.80 |
| | Moorhead 32,177 | . | \$21.09 |
| | | ----- | \$28.88 |
| Douglas | | | |
| | Alexandria Lakes A 1 | . | \$3.42 |
| | Brandon 450 | . | \$2.20 |
| | Brandon Township 1 | . | \$4.84 |
| | Evansville 566 | . | \$0.95 |
| | Garfield 281 | . | \$1.80 |
| | Miltona 279 | . | \$3.26 |
| | Osakis 1,567 | . | \$2.00 |
| | | ----- | \$18.47 |
| Grant | | | |
| | Ashby 472 | . | \$0.40 |
| | Barrett 355 | . | \$0.31 |
| | Elbow Lake 1,275 | . | \$1.66 |

* Please note that due to alpha characters in the EDR identifiers the order in which EDRs are reported is: 1, 10, 11, 2, 3, 4, 5, 6E, 6W, 7E, 7W, 8, 9
 ** Population from 2000 U.S. Census.

Appendix 1: 2006 Future Wastewater Infrastructure Needs and Capital Costs
Communities Providing 2005 WINS Survey Estimates of Future
Wastewater Infrastructure Needs and Costs
Summarized by Economic Development Regions and Counties*

| | | | | |
|-----------------------|--------------------|-------|-----------|---------|
| | Herman | 452 | | \$4.99 |
| | Hoffman | 672 | | \$2.50 |
| | Pelican Group of L | 1 | | \$16.95 |
| | | | | \$26.81 |
| Otter Tail | | | | |
| | Deer Creek | 328 | | \$0.09 |
| | Dent | 192 | | \$0.87 |
| | Henning | 719 | | \$12.20 |
| | New York Mills | 3,715 | | \$5.75 |
| | Ottertail | 451 | | \$2.80 |
| | Parkers Prairie | 3,276 | | \$1.28 |
| | Pelican Rapids | 2,374 | | \$2.50 |
| | Perham | 2,559 | | \$0.83 |
| | Urbank | 59 | | \$0.96 |
| | | | | \$27.28 |
| Ottertail | | | | |
| | Shorewood Park (R | 1 | | \$9.89 |
| | | | | \$9.89 |
| Pope | | | | |
| | Glenwood | 2,594 | | \$0.10 |
| | Lowry | 271 | | \$4.50 |
| | Starbuck | 1,314 | | \$0.47 |
| | Villard | 244 | | \$2.90 |
| | Villard Area Lakes | 1 | | \$6.45 |
| | | | | \$14.42 |
| Stevens | | | | |
| | Hancock | 717 | | \$4.65 |
| | Morris | 5,068 | | \$0.26 |
| | | | | \$4.90 |

* Please note that due to alpha characters in the EDR identifiers the order in which EDRs are reported is: 1, 10, 11, 2, 3, 4, 5, 6E, 6W, 7E, 7W, 8, 9
 ** Population from 2000 U.S. Census.

Appendix 1: 2006 Future Wastewater Infrastructure Needs and Capital Costs
Communities Providing 2005 WINS Survey Estimates of Future
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Traverse

| | | | |
|---------------|-------|-------|--------|
| Browns Valley | 690 | | \$.017 |
| Dumont | 122 | | \$.075 |
| Wheaton | 1,619 | | \$.240 |
| | | | \$3.32 |

Wilkin

| | | | |
|--------------|-------|-------|--------|
| Breckenridge | 3,559 | ..... | \$.550 |
| Kent | 120 | ..... | \$.070 |
| | | | \$6.20 |

Economic Development Region: 4
Total Estimated Costs to address identified needs: \$151.25 million

* Please note that due to alpha characters in the EDR identifiers the order in which EDRs are reported is: 1, 10, 11, 2, 3, 4, 5, 6E, 6W, 7E, 7W, 8, 9
 ** Population from 2000 U.S. Census.

Appendix 1: 2006 Future Wastewater Infrastructure Needs and Capital Costs
Communities Providing 2005 WINS Survey Estimates of Future
Wastewater Infrastructure Needs and Costs
Summarized by Economic Development Regions and Counties*

| | | Economic Development Region (Number) | 5 |
|------------------|---------------------------------|---|---------------|
| County | Community / Population** | Estimated Project(s) Cost <i>(millions)</i> | |
| Cass | | | |
| | Cass Lake | 860 | . \$0.63 |
| | East Gull Lake | 978 | . \$6.24 |
| | Hackensack | 285 | . \$0.17 |
| | Lake Shore | 966 | . \$2.30 |
| | Pillager | 420 | . \$2.30 |
| | | | <hr/> \$11.64 |
| Crow Wing | | | |
| | Brainerd | 13,178 | . \$23.00 |
| | Breezy Point | 979 | . \$2.88 |
| | Deerwood | 590 | . \$0.15 |
| | Nisswa | 1,953 | . \$2.42 |
| | | | <hr/> \$28.44 |
| Morrison | | | |
| | Little Falls | 7,719 | . \$1.10 |
| | Royalton | 816 | . \$3.40 |
| | Upsala | 424 | . \$0.16 |
| | | | <hr/> \$4.66 |
| Todd | | | |
| | Bertha | 470 | . \$1.39 |
| | Browerville | 735 | . \$5.14 |
| | Burtrum | 146 | . \$1.18 |
| | Clarissa | 609 | . \$0.15 |
| | Eagle Bend | 595 | . \$3.60 |
| | Grey Eagle | 335 | . \$0.20 |
| | Staples | 3,104 | . \$3.23 |

* Please note that due to alpha characters in the EDR identifiers the order in which EDRs are reported is: 1, 10, 11, 2, 3, 4, 5, 6E, 6W, 7E, 7W, 8, 9
 ** Population from 2000 U.S. Census.

Appendix 1: 2006 Future Wastewater Infrastructure Needs and Capital Costs
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| | | | |
|---------------|---------|-----------------|--------------|
| | | | \$14.89 |
| Wadena | | | |
| | Menahga | 1,220 | \$.127 |
| | Wadena | 4,294 | \$.040 |
| | | | <hr/> \$1.67 |

Economic Development Region: 5

Total Estimated Costs to address identified needs: \$61.30 million

* Please note that due to alpha characters in the EDR identifiers the order in which EDRs are reported is: 1, 10, 11, 2, 3, 4, 5, 6E, 6W, 7E, 7W, 8, 9
 ** Population from 2000 U.S. Census.

Appendix 1: 2006 Future Wastewater Infrastructure Needs and Capital Costs
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Summarized by Economic Development Regions and Counties*

| | | Economic Development Region (Number) 6E | |
|------------------|--------------------------|---|--|
| County | Community / Population** | | Estimated Project(s) Cost <i>(millions)</i> |
| Kandiyohi | | | |
| | Atwater | 1,079 | . \$1.89 |
| | Blomkest | 186 | . \$2.30 |
| | Lake Lillian | 257 | . \$0.49 |
| | Prinsburg | 458 | . \$1.10 |
| | Spicer | 1,126 | . \$2.30 |
| | Willmar | 18,351 | . \$0.08 |
| | | | <hr/> \$8.16 |
| McLeod | | | |
| | Brownton | 807 | . \$2.56 |
| | Hutchinson | 13,080 | . \$12.09 |
| | Lester Prairie | 1,377 | . \$3.60 |
| | Winsted | 2,094 | . \$5.54 |
| | | | <hr/> \$23.79 |
| Meeker | | | |
| | Dassel | 1,233 | . \$8.93 |
| | Eden Valley | 866 | . \$3.08 |
| | Watkins | 880 | . \$8.84 |
| | | | <hr/> \$20.85 |
| Renville | | | |
| | Bird Island | 1,195 | . \$10.60 |
| | Buffalo Lake | 768 | . \$0.80 |
| | Fairfax | 1,295 | . \$0.04 |
| | Hector | 1,166 | . \$0.59 |
| | Renville | 1,323 | . \$1.82 |
| | | | <hr/> \$13.84 |

* Please note that due to alpha characters in the EDR identifiers the order in which EDRs are reported is: 1, 10, 11, 2, 3, 4, 5, 6E, 6W, 7E, 7W, 8, 9
** Population from 2000 U.S. Census.

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Economic Development Region: 6E
Total Estimated Costs to address identified needs: \$66.64 million

Economic Development Region (Number) 6W

| County | Community / Population** | Estimated Project(s) Cost (millions) |
|------------------------|---------------------------------|---|
| Big Stone | | |
| | Odessa 113 | \$.090 |
| | Ortonville 2,158 | \$.050 |
| | | <hr/> \$1.40 |
| Chippewa | | |
| | Clara City 1,393 | \$.050 |
| | Watson 209 | \$.190 |
| | | <hr/> \$2.40 |
| Lac qui Parle | | |
| | Bellingham 205 | \$.020 |
| | Dawson 1,539 | \$.150 |
| | Madison 1,768 | \$.004 |
| | | <hr/> \$1.74 |
| Swift | | |
| | Appleton 2,871 | \$.220 |
| | Benson 3,376 | \$.444 |
| | | <hr/> \$6.64 |
| Yellow Medicine | | |
| | Canby 1,903 | \$.310 |
| | Granite Falls 3,070 | \$.144 |
| | St. Leo 106 | \$.004 |
| | | <hr/> \$4.58 |

Economic Development Region: 6W
Total Estimated Costs to address identified needs: \$16.75 million

* Please note that due to alpha characters in the EDR identifiers the order in which EDRs are reported is: 1, 10, 11, 2, 3, 4, 5, 6E, 6W, 7E, 7W, 8, 9
 ** Population from 2000 U.S. Census.

Appendix 1: 2006 Future Wastewater Infrastructure Needs and Capital Costs
Communities Providing 2005 WINS Survey Estimates of Future
Wastewater Infrastructure Needs and Costs
Summarized by Economic Development Regions and Counties*

| | | Economic Development Region (Number) 7E | |
|-------------------|---------------------------------|--|---|
| County | Community / Population** | | Estimated Project(s) Cost <i>(millions)</i> |
| Chisago | | | |
| | Chisago Lakes Sew 1 | | \$.720 |
| | Harris 1,121 | | \$.4.86 |
| | North Branch 8,023 | | \$.17.22 |
| | Shafer 343 | | \$.1.81 |
| | Stacy 1,278 | | \$.4.50 |
| | Wyoming 3,048 | | \$.15.84 |
| | | | <hr/> \$51.43 |
| Isanti | | | |
| | Cambridge 5,520 | | \$.14.67 |
| | Isanti 2,324 | | \$.0.23 |
| | | | <hr/> \$14.90 |
| Kanabec | | | |
| | Mora 3,193 | | \$.0.98 |
| | Ogilvie 474 | | \$.3.50 |
| | Quamba 98 | | \$.1.28 |
| | | | <hr/> \$5.76 |
| Mille Lacs | | | |
| | Isle 707 | | \$.3.56 |
| | Milaca 2,580 | | \$.10.00 |
| | Onamia 847 | | \$.0.39 |
| | Princeton 3,933 | | \$.13.00 |
| | Wahkon 314 | | \$.1.13 |
| | | | <hr/> \$28.08 |
| Pine | | | |
| | Askov 368 | | \$.3.51 |
| | Bruno 102 | | \$.1.44 |

* Please note that due to alpha characters in the EDR identifiers the order in which EDRs are reported is: 1, 10, 11, 2, 3, 4, 5, 6E, 6W, 7E, 7W, 8, 9
** Population from 2000 U.S. Census.

Appendix 1: 2006 Future Wastewater Infrastructure Needs and Capital Costs
Communities Providing 2005 WINS Survey Estimates of Future
Wastewater Infrastructure Needs and Costs
Summarized by Economic Development Regions and Counties*

| | | | |
|---------------|-------|-----------|---------|
| Henriette | 101 | | \$.097 |
| Pine City | 3,043 | | \$14.00 |
| Rutledge | 196 | | \$.129 |
| Sandstone | 1,549 | | \$.031 |
| Sturgeon Lake | 347 | | \$.427 |
| | | | \$25.79 |

Economic Development Region: 7E
Total Estimated Costs to address identified needs: \$125.95 million

* Please note that due to alpha characters in the EDR identifiers the order in which EDRs are reported is: 1, 10, 11, 2, 3, 4, 5, 6E, 6W, 7E, 7W, 8, 9
 ** Population from 2000 U.S. Census.

Appendix 1: 2006 Future Wastewater Infrastructure Needs and Capital Costs
Communities Providing 2005 WINS Survey Estimates of Future
Wastewater Infrastructure Needs and Costs
Summarized by Economic Development Regions and Counties*

| | | Economic Development Region (Number) 7W | |
|------------------|---------------------------------|--|---|
| County | Community / Population** | | Estimated Project(s) Cost (millions) |
| Benton | | | |
| | Foley | 2,154 | \$17.90 |
| | Gilman | 215 | .\$1.01 |
| | Rice | 711 | .\$1.17 |
| | | | <hr/> \$20.08 |
| Sherburne | | | |
| | Becker | 2,673 | \$10.00 |
| | Big Lake | 6,063 | \$16.23 |
| | Elk River | 16,447 | .\$9.93 |
| | | | <hr/> \$36.16 |
| Stearns | | | |
| | Avon | 1,242 | .\$8.12 |
| | Brooten | 649 | .\$2.83 |
| | Cold Spring | 2,975 | \$12.54 |
| | Freeport | 454 | .\$0.16 |
| | Melrose | 3,091 | .\$0.40 |
| | Paynesville | 2,267 | .\$4.70 |
| | Richmond | 1,213 | .\$7.00 |
| | Rockville | 749 | .\$9.30 |
| | Sartell | 9,641 | \$18.48 |
| | Sauk Centre | 3,930 | .\$2.86 |
| | St. Cloud | 59,107 | \$21.41 |
| | St. Stephen | 860 | .\$9.52 |
| | Waite Park | 6,568 | .\$6.90 |
| | | | <hr/> \$104.20 |

Wright

* Please note that due to alpha characters in the EDR identifiers the order in which EDRs are reported is: 1, 10, 11, 2, 3, 4, 5, 6E, 6W, 7E, 7W, 8, 9
 ** Population from 2000 U.S. Census.

Appendix 1: 2006 Future Wastewater Infrastructure Needs and Capital Costs
Communities Providing 2005 WINS Survey Estimates of Future
Wastewater Infrastructure Needs and Costs
Summarized by Economic Development Regions and Counties*

| | | | |
|-------------------|--------|-----------|----------------|
| Alberville | 3,621 | | \$5.21 |
| Annandale - Maple | 1 | | \$12.00 |
| Buffalo | 10,097 | | \$35.80 |
| Cokato | 2,727 | | \$0.34 |
| Delano | 3,837 | | \$14.55 |
| Howard Lake | 1,853 | | \$12.24 |
| Maple Lake | 1,633 | | \$9.70 |
| Monticello | 7,868 | | \$9.45 |
| Montrose | 1,143 | | \$2.90 |
| Otsego | 6,389 | | \$18.08 |
| St. Michael | 9,099 | | \$1.00 |
| | | | <hr/> \$121.26 |

Economic Development Region: 7W
Total Estimated Costs to address identified needs: \$281.69 million

* Please note that due to alpha characters in the EDR identifiers the order in which EDRs are reported is: 1, 10, 11, 2, 3, 4, 5, 6E, 6W, 7E, 7W, 8, 9
 ** Population from 2000 U.S. Census.

Appendix 1: 2006 Future Wastewater Infrastructure Needs and Capital Costs
Communities Providing 2005 WINS Survey Estimates of Future
Wastewater Infrastructure Needs and Costs
Summarized by Economic Development Regions and Counties*

| | | Economic Development Region (Number) | 8 |
|-------------------|--|---|---------------|
| County | Community / Population** | Estimated Project(s) Cost <i>(millions)</i> | |
| Cottonwood | | | |
| | Mountain Lake 2,082 | | \$0.24 |
| | Storden 274 | | \$1.35 |
| | Windom 4,490 | | \$0.25 |
| | | | <hr/> \$1.84 |
| Lincoln | | | |
| | Hendricks 725 | | \$1.63 |
| | Ivanhoe 679 | | \$0.40 |
| | Lake Benton 703 | | \$3.97 |
| | | | <hr/> \$5.99 |
| Lyon | | | |
| | Balaton 637 | | \$1.03 |
| | Cottonwood 1,148 | | \$3.13 |
| | Marshall 12,778 | | \$8.16 |
| | Minneota 1,449 | | \$1.10 |
| | Russell 371 | | \$0.10 |
| | Tracy 2,268 | | \$3.25 |
| | | | <hr/> \$16.77 |
| Murray | | | |
| | Slayton 2,072 | | \$0.15 |
| | | | <hr/> \$0.15 |
| Nobles | | | |
| | Bigelow 231 | | \$2.60 |
| | Brewster 502 | | \$1.34 |
| | Ellsworth 540 | | \$0.30 |
| | Rushmore 376 | | \$0.75 |
| | Worthington 11,283 | | \$2.00 |

* Please note that due to alpha characters in the EDR identifiers the order in which EDRs are reported is: 1, 10, 11, 2, 3, 4, 5, 6E, 6W, 7E, 7W, 8, 9
** Population from 2000 U.S. Census.

Appendix 1: 2006 Future Wastewater Infrastructure Needs and Capital Costs
Communities Providing 2005 WINS Survey Estimates of Future
Wastewater Infrastructure Needs and Costs
Summarized by Economic Development Regions and Counties*

| | | | |
|------------------|---------------|-----------------|--------------|
| | | | \$6.99 |
| Pipestone | | | |
| | Hatfield | 47 | .\$0.06 |
| | Ihlen | 107 | .\$0.27 |
| | Pipestone | 4,280 | .\$1.24 |
| | | | <hr/> \$1.56 |
| Redwood | | | |
| | Lamberton | 859 | .\$3.28 |
| | Morgan | 903 | .\$0.16 |
| | Redwood Falls | 5,459 | .\$4.45 |
| | Seaforth | 77 | .\$1.45 |
| | | | <hr/> \$9.34 |
| Rock | | | |
| | Luverne | 4,617 | .\$4.81 |
| | Steen | 182 | .\$0.29 |
| | | | <hr/> \$5.10 |

Economic Development Region: 8
Total Estimated Costs to address identified needs: \$47.74 million

* Please note that due to alpha characters in the EDR identifiers the order in which EDRs are reported is: 1, 10, 11, 2, 3, 4, 5, 6E, 6W, 7E, 7W, 8, 9
 ** Population from 2000 U.S. Census.

Appendix 1: 2006 Future Wastewater Infrastructure Needs and Capital Costs
Communities Providing 2005 WINS Survey Estimates of Future
Wastewater Infrastructure Needs and Costs
Summarized by Economic Development Regions and Counties*

| Economic Development Region (Number) 9 | | |
|---|---------------------------------|---|
| County | Community / Population** | Estimated Project(s) Cost (millions) |
| Blue Earth | | |
| | Amboy 575 | \$.017 |
| | Judson Township 1 | \$.1.08 |
| | Lake Crystal 2,420 | \$.1.85 |
| | Madison Lake 837 | \$.5.00 |
| | Mankato 32,427 | \$.4.00 |
| | Skyline 330 | \$.1.30 |
| | | \$13.40 |
| Brown | | |
| | New Ulm 1,362 | \$.3.00 |
| | Sleepy Eye 3,515 | \$.0.96 |
| | | \$3.96 |
| Fairbault | | |
| | Guckeen 1 | \$.0.50 |
| | Huntley 1 | \$.1.70 |
| | | \$2.20 |
| Faribault | | |
| | Blue Earth 3,621 | \$.2.79 |
| | Bricelyn 379 | \$.2.13 |
| | Elmore 735 | \$.0.79 |
| | Walters 88 | \$.1.04 |
| | Wells 2,494 | \$.2.05 |
| | Winnebago 1,487 | \$.0.55 |
| | | \$9.35 |
| Le Sueur | | |
| | Elysian 486 | \$.0.62 |
| | Kilkenny 148 | \$.0.05 |

* Please note that due to alpha characters in the EDR identifiers the order in which EDRs are reported is: 1, 10, 11, 2, 3, 4, 5, 6E, 6W, 7E, 7W, 8, 9
 ** Population from 2000 U.S. Census.

Appendix 1: 2006 Future Wastewater Infrastructure Needs and Capital Costs
Communities Providing 2005 WINS Survey Estimates of Future
Wastewater Infrastructure Needs and Costs
Summarized by Economic Development Regions and Counties*

| | | | | |
|------------------|------------------|--------|-------|-----------|
| | Le Center | 2,240 | ..... | ..\$2.80 |
| | Le Sueur | 3,922 | ..... | ..\$10.00 |
| | Montgomery | 2,794 | ..... | ..\$1.00 |
| | | | | ----- |
| | | | | \$14.47 |
| Martin | | | | |
| | Dunnell | 197 | ..... | ..\$1.30 |
| | Fairmont | 10,889 | ..... | ..\$15.50 |
| | Fox Lake Improve | 1 | ..... | ..\$0.87 |
| | Trimont | 754 | ..... | ..\$1.72 |
| | Welcome | 721 | ..... | ..\$0.21 |
| | | | | ----- |
| | | | | \$19.59 |
| Nicolett | | | | |
| | Essig | 1 | ..... | ..\$0.81 |
| | | | | ----- |
| | | | | \$0.81 |
| Nicollet | | | | |
| | Lafayette | 529 | ..... | ..\$0.54 |
| | Nicollet | 889 | ..... | ..\$0.05 |
| | North Mankato | 3,883 | ..... | ..\$3.70 |
| | St. Peter | 9,747 | ..... | ..\$20.00 |
| | | | | ----- |
| | | | | \$24.29 |
| Sibley | | | | |
| | Henderson | 910 | ..... | ..\$2.20 |
| | New Auburn | 488 | ..... | ..\$0.40 |
| | | | | ----- |
| | | | | \$2.60 |
| Waseca | | | | |
| | Janesville | 2,109 | ..... | ..\$1.25 |
| | New Richland | 1,359 | ..... | ..\$0.53 |
| | | | | ----- |
| | | | | \$1.78 |
| Watsonwan | | | | |
| | Butterfield | 564 | ..... | ..\$2.01 |

* Please note that due to alpha characters in the EDR identifiers the order in which EDRs are reported is: 1, 10, 11, 2, 3, 4, 5, 6E, 6W, 7E, 7W, 8, 9

** Population from 2000 U.S. Census.

Appendix 1: 2006 Future Wastewater Infrastructure Needs and Capital Costs
Communities Providing 2005 WINS Survey Estimates of Future
Wastewater Infrastructure Needs and Costs
Summarized by Economic Development Regions and Counties*

| | | |
|------------|-----------------|--------------|
| La Salle | 90 | \$1.66 |
| Lewisville | 274 | \$0.31 |
| Madelia | 2,340 | \$3.75 |
| Ormsby | 154 | \$0.80 |
| | | <hr/> \$8.53 |

Economic Development Region: 9
Total Estimated Costs to address identified needs: \$100.97 million

* Please note that due to alpha characters in the EDR identifiers the order in which EDRs are reported is: 1, 10, 11, 2, 3, 4, 5, 6E, 6W, 7E, 7W, 8, 9
 ** Population from 2000 U.S. Census.

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|--|
| Aitkin | COUNTY: Aitkin | POPULATION: 1,984 * | MEDIAN HOUSEHOLD INCOME (MHI): \$24,574 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| SW Area sewer/water extension | | 1 | Sewer System Project |
| Frontage Road | | 0.3 | Sewer System Project |
| Knox Bridge Lift Station | | 0.3 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1.6 | \$123,002 | \$124.10 | 0.505% |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Aitkin as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.6 (million)</i> | | | |

| | | | |
|---|--------------------------------------|--|--|
| Albert Lea | COUNTY: Freeborn | POPULATION: 18,356 * | MEDIAN HOUSEHOLD INCOME (MHI): \$43,500 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Rehabilitation/I & I | | 0.75 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.75 | \$57,657 | \$6.67 | 0.015% |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Albert Lea as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.75 (million)</i> | | | |

| | | | |
|------------------------|----------------|---------------------------------|--|
| Albertville | COUNTY: Wright | POPULATION: 3,621 * | MEDIAN HOUSEHOLD INCOME (MHI): \$58,260 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---|
| Prairie Run Sanitary Sewer Extension | 0.07 | | Sewer System Project |
| Wastewater Treatment Plant Phase # 2 | 3.84 | | Wastewater Treatment Facilities Project |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 3.91 | \$300,585 | \$210.20 | 0.361% |
| --- 10 - 20 yr. --- | | | |
| Sanitary Sewer Extensions | 1.3 | | Sewer System Project |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 1.3 | \$99,939 | \$69.89 | 0.120% |

Overall cost of projects identified as of January 1, 2006 by the community of Albertville as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 5.21 (million)

| | | | |
|--|--------------------------------------|--|--|
| Alexandria Lakes Area Se | COUNTY: Douglas | POPULATION: 1* | MEDIAN HOUSEHOLD INCOME (MHI): \$1* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | |
| Sewer extensions to unsewered areas | | 3.42 | SFY 2006 PPL Sewer System Project / Rank: 51 |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 3.42 | \$262,916 | | |

Overall cost of projects identified as of January 1, 2006 by the community of Alexandria Lakes Area Service Region as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 3.42 (million)

| | | | |
|--------------------------|--------------------|---------------------------------|--|
| Amboy | COUNTY: Blue Earth | POPULATION: 575* | MEDIAN HOUSEHOLD INCOME (MHI): \$35,595* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | |
| Collection system repair | | 0.168176 | Sewer System Project |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.168176 | \$12,929 | \$48.08 | 0.135% |

Overall cost of projects identified as of January 1, 2006 by the community of Amboy as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.1682 (million)

| | | | |
|--|--------------------------------------|--|--|
| Annandale - Maple Lake | COUNTY:Wright | POPULATION: 1 * | MEDIAN HOUSEHOLD INCOME (MHI): \$1 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| | Rehab/expand existing system | 12 | SFY 2006 PPL Treatment Facilities Project / Rank: 67 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 12 | \$922,512 | | |

Overall cost of projects identified as of January 1, 2006 by the community of Annandale - Maple Lake as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 12 (million)

| | | | |
|--|--------------------------------------|--|--|
| Apple Valley | **** COUNTY:Dakota | POPULATION:45,527 * | MEDIAN HOUSEHOLD INCOME (MHI): \$69,752 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| | Sanitary Lift Station #1 Replacement | 0.3 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.3 | \$23,063 | \$0.61 | 0.001% |

Overall cost of projects identified as of January 1, 2006 by the community of Apple Valley as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.3 (million)

**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Apple Valley

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| Appleton | COUNTY: Swift | POPULATION: 2,871 * | MEDIAN HOUSEHOLD INCOME (MHI): \$25,950 * | |
|--|--------------------------------------|--|---|--|
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Sludge handling | | 1.2 | SFY 2006 PPL Treatment Facilities Project / Rank: 1 | |
| Biosolids Treatment Improvements | | 1 | Wastewater Treatment Facilities Project | |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI | |
| 2.2 | \$169,127 | \$208.80 | 0.805% | |
| Overall cost of projects identified as of January 1, 2006 by the community of Appleton as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2.2 (million) | | | | |
| <hr/> | | | | |
| Ashby | COUNTY: Grant | POPULATION: 472 * | MEDIAN HOUSEHOLD INCOME (MHI): \$28,333 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Sanitary Sewer System Repairs | | 0.105 | Sewer System Project | |
| Ashby Country View Estates | | 0.298 | Sewer System Project | |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI | |
| 0.403 | \$30,981 | \$150.72 | 0.532% | |
| Overall cost of projects identified as of January 1, 2006 by the community of Ashby as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs0.403 (million) | | | | |
| <hr/> | | | | |
| Askov | COUNTY: Pine | POPULATION: 368 * | MEDIAN HOUSEHOLD INCOME (MHI): \$28,472 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| Wastewater Treatment Facility Plan | 2.215 | Sewer System Project | |
| Rehab/expand existing system | 1.29 | SFY 2006 PPL Treatment Facilities Project / Rank: 88 | |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 3.505 | \$269,450 | \$1,469.73 | 5.162% |

Overall cost of projects identified as of January 1, 2006 by the community of Askov as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 3.505 (million)

| | | | |
|--|--------------------------------------|--|--|
| Atwater | COUNTY: Kandiyohi | POPULATION: 1,079 * | MEDIAN HOUSEHOLD INCOME (MHI): \$39,265 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Rehab part of sewer system | | 0.89 | SFY 2006 PPL Sewer System Project / Rank: 166 |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 0.89 | \$68,420 | \$133.57 | 0.340% |

Overall cost of projects identified as of January 1, 2006 by the community of Atwater as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.89 (million)

| | | | |
|--|--------------------------------------|--|--|
| Audubon | COUNTY: Becker | POPULATION: 445 * | MEDIAN HOUSEHOLD INCOME (MHI): \$35,729 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Waste Water Treatment Facility & Collection System Imp | | 1.2 | Wastewater Treatment Facilities Project |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 1.2 | \$92,251 | \$474.43 | 1.328% |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

Overall cost of projects identified as of January 1, 2006 by the community of Audubon as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.2 (million)

| | | | |
|--|--------------------------------------|--|---|
| Aurora | COUNTY: St. Louis | POPULATION: 1,850* | MEDIAN HOUSEHOLD INCOME (MHI): \$32,094* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Aurora - Rehabilitation of Treatment Plant | | 2.5 | SFY 2006 PPL Treatment Facilities Project / Rank: 178 |
| Lime Stabilization of Bio-solids | | 0.07 | SFY 2006 PPL Treatment Facilities Project / Rank: 18 |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 2.57 | \$197,571 | \$218.98 | 0.682% |

Overall cost of projects identified as of January 1, 2006 by the community of Aurora as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2.57 (million)

| | | | |
|--|--------------------------------------|--|--|
| Austin | COUNTY: Mower | POPULATION: 23,314* | MEDIAN HOUSEHOLD INCOME (MHI): \$33,750* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Sludge Storage | | 7.3 | SFY 2006 PPL Treatment Facilities Project / Rank: 16 |
| Digester Upgrades - Industrial | | 4 | Wastewater Treatment Facilities Project |
| Digester Upgrades - Domestic | | 2 | Wastewater Treatment Facilities Project |
| Admin and Laboratory Improvements | | 0.5 | Wastewater Treatment Facilities Project |
| High Rate Filters | | 3.5 | SFY 2006 PPL Treatment Facilities Project / Rank: 16 |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 17.3 | \$1,329,955 | \$120.94 | 0.358% |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

Overall cost of projects identified as of January 1, 2006 by the community of Austin as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 17.3 (million)

| | | | | |
|--|--------------------------------------|--|--|--|
| Avon | COUNTY: Stearns | POPULATION: 1,242 * | MEDIAN HOUSEHOLD INCOME (MHI): \$47,721 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Brix Project Lift Station | | 0.12 | Sewer System Project | |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI | |
| 0.12 | \$9,225 | \$17.67 | 0.037% | |
| <i>--- 10 - 20 yr. ---</i> | | | | |
| Plant Expansion | | 8 | Wastewater Treatment Facilities Project | |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI | |
| 8 | \$615,008 | \$1,177.67 | 2.468% | |

Overall cost of projects identified as of January 1, 2006 by the community of Avon as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 8.12 (million)

| | | | | |
|--|--------------------------------------|--|--|--|
| Balaton | COUNTY: Lyon | POPULATION: 637 * | MEDIAN HOUSEHOLD INCOME (MHI): \$36,442 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| East Side Rehabilitation | | 0.63 | Sewer System Project | |
| EDA Golf Course and Subdivision | | 0.301 | Sewer System Project | |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI | |
| 0.931 | \$71,572 | \$233.39 | 0.640% | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

Overall cost of projects identified as of January 1, 2006 by the community of Balaton

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.931 (million)

Barnesville

COUNTY: Clay

POPULATION: 2,173*

MEDIAN HOUSEHOLD INCOME (MHI): \$35,814*

Project(s)

Cost Estimate (millions)

Project Type / SFY 2005 PPL Listed - Rank

--- Current ---

Pond Expansion

3.873

SFY 2006 PPL Treatment Facilities Project / Rank: 59

Subtotal of Cost Estimates (millions)

*Project Annual Debt Service***

*Annual 20 yr. Household Cost****

Annual Household Cost as % MHI

3.873

\$297,741

\$309.79

0.865%

Overall cost of projects identified as of January 1, 2006 by the community of Barnesville

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 3.873 (million)

Barrett

COUNTY: Grant

POPULATION: 355*

MEDIAN HOUSEHOLD INCOME (MHI): \$28,750*

Project(s)

Cost Estimate (millions)

Project Type / SFY 2005 PPL Listed - Rank

--- Current ---

Barrett Sewer Rehab

0.31

SFY 2006 PPL Sewer System Project / Rank: 179

Subtotal of Cost Estimates (millions)

*Project Annual Debt Service***

*Annual 20 yr. Household Cost****

Annual Household Cost as % MHI

0.31

\$23,832

\$151.05

0.525%

Overall cost of projects identified as of January 1, 2006 by the community of Barrett

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.31 (million)

Becker

COUNTY: Sherburne

POPULATION: 2,673*

MEDIAN HOUSEHOLD INCOME (MHI): \$50,714*

Project(s)

Cost Estimate (millions)

Project Type / SFY 2005 PPL Listed - Rank

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

--- Current ---

| | | | | |
|--|--------------------------------------|--|---|--|
| Plant Expansion | | 10 | | |
| | | | Wastewater Treatment Facilities Project | |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI | |
| 10 | \$768,760 | \$744.76 | 1.469% | |

Overall cost of projects identified as of January 1, 2006 by the community of Becker as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 10 (million)

| | | | |
|---------------------|----------------------|---------------------------------|--|
| Belle Plaine | COUNTY: Scott | POPULATION: 3,789 * | MEDIAN HOUSEHOLD INCOME (MHI): \$50,272 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |

--- Current ---

| | | | | |
|--|--------------------------------------|--|---|--|
| North Interceptor | | 2.6 | | |
| | | | Sewer System Project | |
| Wastewater Treatment Plant Expansion | | 6 | Wastewater Treatment Facilities Project | |
| Robert's Creek Interceptor Sewer | | 2.5 | Sewer System Project | |
| South Ravine Interceptor Sewer | | 1.8 | Sewer System Project | |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI | |
| 12.9 | \$991,700 | \$639.35 | 1.272% | |

Overall cost of projects identified as of January 1, 2006 by the community of Belle Plaine as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 12.9 (million)

| | | | |
|-------------------|------------------------------|---------------------------------|--|
| Bellingham | COUNTY: Lac qui Parle | POPULATION: 205 * | MEDIAN HOUSEHOLD INCOME (MHI): \$27,083 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |

--- Current ---

| | | | | |
|------------------------|--|------|---|--|
| Dredgings & Reprapping | | 0.15 | | |
| | | | Wastewater Treatment Facilities Project | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.15 | \$11,531 | \$111.59 | 0.412% |

--- 5 - 10 yr. ---

Lift Station Rehab

0.05

Sewer System Project

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.05 | \$3,844 | \$37.20 | 0.137% |

Overall cost of projects identified as of January 1, 2006 by the community of Bellingham

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.2 (million)

| | | | |
|-------------------|-------------------------|---------------------------------|--|
| Bemidji | COUNTY: Beltrami | POPULATION: 11,917* | MEDIAN HOUSEHOLD INCOME (MHI): \$28,072* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |

--- Current ---

Birchmont Drive Extension

3.2

Sewer System Project

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 3.2 | \$246,003 | \$47.42 | 0.169% |

--- 5 - 10 yr. ---

On-going Sanitary Sewer Rehab

2

Sewer System Project

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 2 | \$153,752 | \$29.64 | 0.106% |

Overall cost of projects identified as of January 1, 2006 by the community of Bemidji

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 5.2 (million)

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| Benson | COUNTY: Swift | POPULATION: 3,376 * | MEDIAN HOUSEHOLD INCOME (MHI): \$32,234 * | |
|--|--------------------------------------|--|---|--|
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Rehab/expand existing system | | 4.3 | Wastewater Treatment Facilities Project | |
| Minnesota Avenue Sewer Extension | | 0.138 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 4.438 | \$341,176 | \$211.62 | 0.657% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Benson as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 4.438 (million)</i> | | | | |
| <hr/> | | | | |
| Bertha | COUNTY: Todd | POPULATION: 470 * | MEDIAN HOUSEHOLD INCOME (MHI): \$22,625 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Rehab existing system | | 1.39 | SFY 2006 PPL Treatment Facilities Project / Rank: 172 | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 1.39 | \$106,858 | \$455.79 | 2.015% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Bertha as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.39 (million)</i> | | | | |
| <hr/> | | | | |
| Big Falls | COUNTY: Koochiching | POPULATION: 264 * | MEDIAN HOUSEHOLD INCOME (MHI): \$26,458 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- 5 - 10 yr. ---</i> | | | | |
| Phase II - Sanitary Sewer Reconstruction | | 1.1 | Sewer System Project | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1.1 | \$84,564 | \$567.96 | 2.147% |

Overall cost of projects identified as of January 1, 2006 by the community of Big Falls as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.1 (million)

| | | | |
|---|--------------------------------------|--|---|
| Big Lake | COUNTY: Sherburne | POPULATION: 6,063 * | MEDIAN HOUSEHOLD INCOME (MHI): \$50,658 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Treatment Plant Expansion, Biosolids, Oxidation Ditch, Fi | | 15.23 | SFY 2006 PPL Treatment Facilities Project / Rank: 168 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 15.23 | \$1,170,821 | \$497.75 | 0.983% |

Overall cost of projects identified as of January 1, 2006 by the community of Big Lake as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 15.23 (million)

| | | | |
|--|--------------------------------------|--|--|
| Bigelow | COUNTY: Nobles | POPULATION: 231 * | MEDIAN HOUSEHOLD INCOME (MHI): \$32,750 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| New Collection and Treatment Facilities | | 2.6 | SFY 2006 PPL Unsewered Area Project / Rank27 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 2.6 | \$199,878 | \$2,067.70 | 6.314% |

Overall cost of projects identified as of January 1, 2006 by the community of Bigelow as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2.6 (million)

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| Bigfork | COUNTY: Itasca | POPULATION: 469* | MEDIAN HOUSEHOLD INCOME (MHI): \$24,167* | |
|--|--------------------------------------|---------------------------------|---|---------------------------------------|
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Pond Expansion and Improvement | | 1.55 | SFY 2006 PPL Treatment Facilities Project / Rank: 120 | |
| Treatment Pond Improvement | | 1.5 | Wastewater Treatment Facilities Project | |
| Inflow Reduction | | 0.025 | Sewer System Project | |
| Ottum Ave I/I | | 0.006 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 3.081 | \$236,855 | | \$1,024.85 | 4.241% |

Overall cost of projects identified as of January 1, 2006 by the community of Bigfork as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 3.081 (million)

| Birchwood Village | COUNTY: Washington | POPULATION: 968* | MEDIAN HOUSEHOLD INCOME (MHI): \$81,941* | |
|--|--------------------------------------|---------------------------------|--|---------------------------------------|
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| 2004-2008 Sanitary Sewer Rehab. | | 0.41 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.41 | \$31,519 | | \$79.46 | 0.097% |

Overall cost of projects identified as of January 1, 2006 by the community of Birchwood Village as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.41 (million)

| Bird Island | COUNTY: Renville | POPULATION: 1,195* | MEDIAN HOUSEHOLD INCOME (MHI): \$38,092* | |
|--------------------|-------------------------|---------------------------------|--|--|
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

--- Current ---

| | | | |
|--|--------------------------------------|--|---|
| Separation of Combined Storm Water/Sanitary Sewer Syst | 10.6 | | SFY 2006 PPL Sewer System Project / Rank: 157 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 10.6 | \$814,886 | \$1,469.73 | 3.858% |

Overall cost of projects identified as of January 1, 2006 by the community of Bird Island as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 10.6 (million)

| | | | |
|-------------------|-------------------|---------------------------------|--|
| Biwabik | COUNTY: St. Louis | POPULATION: 954 * | MEDIAN HOUSEHOLD INCOME (MHI): \$28,359 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |

--- 5 - 10 yr. ---

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| Biwabik Sewer Study | | 0.097 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.097 | \$7,457 | \$14.78 | 0.052% |

Overall cost of projects identified as of January 1, 2006 by the community of Biwabik as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs0.097 (million)

| | | | |
|-------------------|-------------------|---------------------------------|--|
| Blomkest | COUNTY: Kandiyohi | POPULATION: 186 * | MEDIAN HOUSEHOLD INCOME (MHI): \$34,583 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |

--- Current ---

| | | | |
|--|--------------------------------------|--|---|
| Regional Collection System | | 2.3 | SFY 2006 PPL Unsewered Area Project / Rank:15 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 2.3 | \$176,815 | \$2,411.11 | 6.972% |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

Overall cost of projects identified as of January 1, 2006 by the community of Blomkest as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2.3 (million)

| Project(s) | COUNTY: Steele | POPULATION: 1,933* | MEDIAN HOUSEHOLD INCOME (MHI): \$40,345* | |
|--|--------------------------------------|--|--|--|
| <i>--- Current ---</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| Third Street utility and street improvements | | 0.264 | Sewer System Project | |
| 2005 Sanitary Sewer Rehabilitation Project | | 0.047 | Sewer System Project | |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI | |
| 0.311 | \$23,908 | \$28.77 | 0.071% | |

Overall cost of projects identified as of January 1, 2006 by the community of Blooming Prairie as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs0311 (million)

| Project(s) | COUNTY: Hennepin | POPULATION: 85,172* | MEDIAN HOUSEHOLD INCOME (MHI): \$54,628* | |
|--|--------------------------------------|--|--|--|
| <i>--- 5 - 10 yr. ---</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| 2004 Lift Station Capital Improvement Project (Proposed) | | 1.5 | Sewer System Project | |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI | |
| 1.5 | \$115,314 | \$2.85 | 0.005% | |
| <i>--- 10 - 20 yr. ---</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| Sanitary Sewer Cured-in-Place Pipe Project | | 2 | Sewer System Project | |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI | |
| 2 | \$153,752 | \$3.80 | 0.007% | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

Overall cost of projects identified as of January 1, 2006 by the community of Bloomington

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 3.5 (million)

**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Bloomington

Blue Earth

COUNTY: Faribault

POPULATION: 3,621*

MEDIAN HOUSEHOLD INCOME (MHI): \$34,940*

Project(s)

Cost Estimate (millions)

Project Type / SFY 2005 PPL Listed - Rank

--- Current ---

Infiltration/Inflow Reduction Program

0.64

Sewer System Project

Tenth Street Sanitary Sewer Replacement

0.612

SFY 2006 PPL Sewer System Project / Rank: 5

Sanitary Interceptor Sewer Replacement

0.414

SFY 2006 PPL Sewer System Project / Rank: 5

Fourth Street Improvements

1.124

SFY 2006 PPL Sewer System Project / Rank: 5

Subtotal of Cost Estimates (millions)

*Project Annual Debt Service***

*Annual 20 yr. Household Cost****

Annual Household Cost as % MHI

2.79

\$214,484

\$125.76

0.360%

Overall cost of projects identified as of January 1, 2006 by the community of Blue Earth

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2.79 (million)

Brainerd

COUNTY: Crow Wing

POPULATION: 13,178*

MEDIAN HOUSEHOLD INCOME (MHI): \$26,901*

Project(s)

Cost Estimate (millions)

Project Type / SFY 2005 PPL Listed - Rank

--- Current ---

WWT plant upgrade and expansion

21.9

SFY 2006 PPL Treatment Facilities Project / Rank: 181

Wright Street Extension

1.1

Sewer System Project

Subtotal of Cost Estimates (millions)

*Project Annual Debt Service***

*Annual 20 yr. Household Cost****

Annual Household Cost as % MHI

23

\$1,768,148

\$283.00

1.052%

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

Overall cost of projects identified as of January 1, 2006 by the community of Brainerd as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 23 (million)

| | | | | |
|--|--------------------------------------|---------------------------------|--|---------------------------------------|
| Brandon | COUNTY: Douglas | POPULATION: 450* | MEDIAN HOUSEHOLD INCOME (MHI): \$28,750* | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Treatment Plant/Irrigation Expansion | | 0.7 | Wastewater Treatment Facilities Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.7 | \$53,813 | | \$258.99 | 0.901% |
| <i>--- 10 - 20 yr. ---</i> | | | | |
| Collection System Replacement | | 1.5 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1.5 | \$115,314 | | \$554.99 | 1.930% |

Overall cost of projects identified as of January 1, 2006 by the community of Brandon as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2.2 (million)

| | | | | |
|--|--------------------------------------|---------------------------------|--|---------------------------------------|
| Brandon Township | COUNTY: Douglas | POPULATION: 1* | MEDIAN HOUSEHOLD INCOME (MHI): \$1* | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Brandon Township | | 4.84 | SFY 2006 PPL Unsewered Area Project / Rank64 | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 4.84 | \$372,080 | | | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

Overall cost of projects identified as of January 1, 2006 by the community of Brandon Township as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 4.84 (million)

| | | | |
|--|--------------------------------------|--|--|
| Breckenridge | COUNTY: Wilkin | POPULATION: 3,559 * | MEDIAN HOUSEHOLD INCOME (MHI): \$37,054 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- 10 - 20 yr. ---</i> | | | |
| Wastewater Pond Expansion & Upgrading | | 1.3 | Wastewater Treatment Facilities Project |
| Sanitary Sewer Rehabilitation | | 4.2 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 5.5 | \$422,818 | \$264.63 | 0.714% |

Overall cost of projects identified as of January 1, 2006 by the community of Breckenridge as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 5.5 (million)

| | | | |
|--|--------------------------------------|--|--|
| Breezy Point | COUNTY: Crow Wing | POPULATION: 979 * | MEDIAN HOUSEHOLD INCOME (MHI): \$44,000 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Commercial District Sewer Extension | | 0.075 | Sewer System Project |
| Edgewater Farms Commercial District | | 0.175 | Sewer System Project |
| Sparrow, Red Pine and Eagle Lake Shore | | 0.32 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.57 | \$43,819 | \$95.49 | 0.217% |
| <i>--- 5 - 10 yr. ---</i> | | | |
| Aspen and Birch Lane | | 0.065 | Sewer System Project |
| Holding Ponds | | 0.6 | Wastewater Treatment Facilities Project |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | |
|----------------------------|-------|----------------------|
| Dellwood Acres | 0.85 | Sewer System Project |
| Timberlane Point Extension | 0.7 | Sewer System Project |
| Rabbitt Lane | 0.018 | Sewer System Project |
| Golf Woods | 0.075 | Sewer System Project |

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 2.308 | \$177,430 | \$386.65 | 0.879% |

Overall cost of projects identified as of January 1, 2006 by the community of Breezy Point as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2.878 (million)

| | | | |
|--|--------------------------------------|--|--|
| Brewster | COUNTY: Nobles | POPULATION: 502* | MEDIAN HOUSEHOLD INCOME (MHI): \$38,125* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Expand trmt plant, extension to ind. user | | 1.34 | Wastewater Treatment Facilities Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1.34 | \$103,014 | \$454.47 | 1.192% |

Overall cost of projects identified as of January 1, 2006 by the community of Brewster as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.34 (million)

| | | | |
|------------------------|--------------------------|---------------------------------|--|
| Bricelyn | COUNTY: Faribault | POPULATION: 379* | MEDIAN HOUSEHOLD INCOME (MHI): \$29,375* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Bricelyn | | 0.12 | SFY 2006 PPL Sewer System Project / Rank: 183 |
| I/I/correction | | 0.882 | Wastewater Treatment Facilities Project |
| I/I correction | | 0.882 | Sewer System Project |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---|
| Rehab/expand existing system | 0.123 | | Wastewater Treatment Facilities Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 2.007 | \$154,290 | \$762.97 | 2.597% |

--- 5 - 10 yr. ---

| | | | |
|--|--------------------------------------|--|---|
| BM 1 Project No. M21.33114 | 0.1239 | | SFY 2006 PPL Treatment Facilities Project / Rank: 183 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.1239 | \$9,525 | \$47.10 | 0.160% |

Overall cost of projects identified as of January 1, 2006 by the community of Bricelyn as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2.1309 (million)

| | | | |
|--|--------------------------------------|--|---|
| Brooten | COUNTY: Stearns | POPULATION: 649* | MEDIAN HOUSEHOLD INCOME (MHI): \$35,625* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Industrial Park Improvements | | 0.323 | Sewer System Project |
| Wastewater Treatment Facility Improvements | | 0.0021 | Wastewater Treatment Facilities Project |
| Wastewater Improvement Project | | 2.5 | SFY 2006 PPL Treatment Facilities Project / Rank: 125 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 2.8251 | \$217,182 | \$703.11 | 1.974% |

Overall cost of projects identified as of January 1, 2006 by the community of Brooten as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2.8251 (million)

| | | | |
|------------------------|--------------|---------------------------------|--|
| Browerville | COUNTY: Todd | POPULATION: 735* | MEDIAN HOUSEHOLD INCOME (MHI): \$26,250* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|---|---------------------------------------|
| Infiltration/Inflow Reduction Program | 1 | Wastewater Treatment Facilities Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1 | \$76,876 | \$217.57 | 0.829% |

Overall cost of projects identified as of January 1, 2006 by the community of Browerville as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1 (million)

| | | | |
|---|--------------------------------------|--|--|
| Browns Valley | COUNTY: Traverse | POPULATION: 690 * | MEDIAN HOUSEHOLD INCOME (MHI): \$26,563 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Lift Station #2 Repairs First and Possible Others | | 0.074 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.074 | \$5,689 | \$17.96 | 0.068% |

Overall cost of projects identified as of January 1, 2006 by the community of Browns Valley as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs0.074 (million)

| | | | |
|---|----------------|---------------------------------|--|
| Brownton | COUNTY: McLeod | POPULATION: 807 * | MEDIAN HOUSEHOLD INCOME (MHI): \$36,932 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Rehabilitation and Upgrading Existing Wastewater Plant | | 0.025 | Wastewater Treatment Facilities Project |
| Northwest Sanitary Sewer Extension | | 0.027 | Sewer System Project |
| First Avenue Lift Station Enlargement | | 0.0845 | Sewer System Project |
| West Sanitary Sewer Extension | | 0.364 | Sewer System Project |
| Sanitary Sewer Replacement: 4th Ave. N and 4th Street N | | 0.062 | Sewer System Project |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.5625 | \$43,243 | \$124.34 | 0.337% |

--- 5 - 10 yr. ---

WWTP Expansion

2

Wastewater Treatment Facilities Project

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 2 | \$153,752 | \$442.10 | 1.197% |

Overall cost of projects identified as of January 1, 2006 by the community of Brownton

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2.5625 (million)

| | | | |
|-------------------|--------------|---------------------------------|--|
| Bruno | COUNTY: Pine | POPULATION: 102* | MEDIAN HOUSEHOLD INCOME (MHI): \$28,125* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |

--- Current ---

Pressure Sewer Collection and Sand Filter Treatment

1.44

SFY 2006 PPL Unsewered Area Project / Rank:185

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1.44 | \$110,701 | \$2,264.35 | 8.051% |

Overall cost of projects identified as of January 1, 2006 by the community of Bruno

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.44 (million)

| | | | |
|-------------------|----------------|---------------------------------|--|
| Buffalo | COUNTY: Wright | POPULATION: 10,097* | MEDIAN HOUSEHOLD INCOME (MHI): \$49,573* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |

--- 10 - 20 yr. ---

Biosolids Upgrade & Wastewater Improvements

10.8

Wastewater Treatment Facilities Project

Capital Improvement Plan

25

Sewer System Project

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 35.8 | \$2,752,161 | \$669.08 | 1.350% |

Overall cost of projects identified as of January 1, 2006 by the community of Buffalo as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 35.8 (million)

| | | | |
|--|--------------------------------------|--|--|
| Buffalo Lake | COUNTY: Renville | POPULATION: 768 * | MEDIAN HOUSEHOLD INCOME (MHI): \$40,000 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| MBI Pre-treatment Plant Redesign | | 0.8 | Wastewater Treatment Facilities Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.8 | \$61,501 | \$188.27 | 0.471% |

Overall cost of projects identified as of January 1, 2006 by the community of Buffalo Lake as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.8 (million)

| | | | |
|--|--------------------------------------|--|---|
| Burtrum | COUNTY: Todd | POPULATION: 146 * | MEDIAN HOUSEHOLD INCOME (MHI): \$26,875 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Plant Expansion | | 1.18 | SFY 2006 PPL Treatment Facilities Project / Rank: 108 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1.18 | \$90,714 | \$1,183.22 | 4.403% |

Overall cost of projects identified as of January 1, 2006 by the community of Burtrum as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.18 (million)

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| Caledonia | COUNTY: Houston | POPULATION: 2,965 * | MEDIAN HOUSEHOLD INCOME (MHI): \$32,455 * | |
|--|--------------------------------------|---------------------------------|--|---------------------------------------|
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- 5 - 10 yr. ---</i> | | | | |
| Sanitary Sewer System Rehabilitation | | 1.7 | Sewer System Project | |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 1.7 | \$130,689 | | \$96.17 | 0.296% |
| <i>--- 10 - 20 yr. ---</i> | | | | |
| WWTP Rehabilitation and Upgrade | | 2.75 | Wastewater Treatment Facilities Project | |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 2.75 | \$211,409 | | \$155.57 | 0.479% |

Overall cost of projects identified as of January 1, 2006 by the community of Caledonia as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 4.45 (million)

| Cambridge | COUNTY: Isanti | POPULATION: 5,520 * | MEDIAN HOUSEHOLD INCOME (MHI): \$35,313 * | |
|---|--------------------------------------|---------------------------------|--|---------------------------------------|
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| 2004 Street Improvement Project (Collection System NE I | | 0.558 | Sewer System Project | |
| 2009 Street Improvements | | 0.158 | Sewer System Project | |
| 2010 Street Improvements | | 0.284 | Sewer System Project | |
| Emerson Lift Station Rehabilitation | | 0.378 | Sewer System Project | |
| 2004 Street Improvement Project (Collection System) | | 0.4641 | Sewer System Project | |
| 2006 Street Improvement Project (Collection System) | | 0.522 | Sewer System Project | |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 2.3641 | \$181,743 | | \$73.12 | 0.207% |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

--- 5 - 10 yr. ---

| | | | |
|---|--------------------------------------|---|---------------------------------------|
| Expansion, Third Oxidation Ditch Clarifier, Effluent Filter | 6.5 | Wastewater Treatment Facilities Project | |
| 2005 Street Improvements Project (Collection System - X | 0.522 | Sewer System Project | |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 7.022 | \$539,823 | \$217.18 | 0.615% |

Overall cost of projects identified as of January 1, 2006 by the community of Cambridge as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 9.3861 (million)

| | | | |
|--|--------------------------------------|--|--|
| Canby | COUNTY: Yellow Medi | POPULATION: 1,903* | MEDIAN HOUSEHOLD INCOME (MHI): \$27,533* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | |
| Utility & Street Improvement Study | | 3.1 | SFY 2006 PPL Sewer System Project / Rank: 156 |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 3.1 | \$238,316 | \$254.73 | 0.925% |

Overall cost of projects identified as of January 1, 2006 by the community of Canby as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 3.1 (million)

| | | | |
|---|-----------------------|---------------------------------|--|
| Carver | COUNTY: Carver | POPULATION: 1,266* | MEDIAN HOUSEHOLD INCOME (MHI): \$65,083* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | |
| Lift Stations | | 5.923 | Sewer System Project |
| Industrial Park Lift Station, Force Main, Trunk Sewer, Po | | 0.576 | Sewer System Project |
| Connect to Met Council System or Expand Existing WWT | | 9 | Wastewater Treatment Facilities Project |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 15.499 | \$1,191,501 | \$2,341.38 | 3.598% |

Overall cost of projects identified as of January 1, 2006 by the community of Carver as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 15.499 (million)

**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Carver

| | | | |
|-------------------|--------------|---------------------------------|---|
| Cass Lake | COUNTY: Cass | POPULATION: 860 * | MEDIAN HOUSEHOLD INCOME (MHI): \$20,583 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | |
| | | 0.626 | SFY 2006 PPL Treatment Facilities Project / Rank: 186 |

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.626 | \$48,124 | \$130.85 | 0.636% |

Overall cost of projects identified as of January 1, 2006 by the community of Cass Lake as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.626 (million)

| | | | |
|-----------------------------|---------------|---------------------------------|--|
| Centerville | COUNTY: Anoka | POPULATION: 3,202 * | MEDIAN HOUSEHOLD INCOME (MHI): \$63,696 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | |
| LS #1 Forcemain replacement | | 0.07 | Sewer System Project |

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.07 | \$5,381 | \$4.50 | 0.007% |

Overall cost of projects identified as of January 1, 2006 by the community of Centerville as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.07 (million)

**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Centerville

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data. ** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods. *** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| Chanhassen | **** | COUNTY: Carver | POPULATION:20,321 * | MEDIAN HOUSEHOLD INCOME (MHI): \$84,215 * |
|---|------|---|---|--|
| <i>Project(s)</i> | | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | | |
| LB-4 Sanitary Sewer Extension | | | 0.36 | Sewer System Project |
| Infiltration/Inflow Abatement | | | 0.4 | Sewer System Project |
| LB-5 Sanitary Sewer Extension | | | 1.5 | Sewer System Project |
| BC-2 Sanitary Sewer Extension | | | 0.82 | Sewer System Project |
| Lift Stations #2 Forcemain Separation | | | 0.3 | Sewer System Project |
| BC-3 Sanitary Sewer Extension | | | 0.4 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 3.78 | | \$290,591 | \$37.83 | 0.045% |
| --- 5 - 10 yr. --- | | | | |
| Infiltration/Inflow Abatement | | | 0.5 | Sewer System Project |
| Sanitary Sewer Rehab. & Replacement | | | 0.33 | Sewer System Project |
| LB-1 Sanitary Sewer Extension | | | 0.9 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1.73 | | \$132,995 | \$17.31 | 0.021% |
| --- 10 - 20 yr. --- | | | | |
| LB-3 Sanitary Sewer Extension | | | 0.93 | Sewer System Project |
| LB-2 Sanitary Sewer Extension | | | 1.25 | Sewer System Project |
| Infiltration/Inflow Abatement | | | 0.75 | Sewer System Project |
| Sanitary Sewer Rehab. & Replacement | | | 0.8 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 3.73 | | \$286,747 | \$37.33 | 0.044% |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

Overall cost of projects identified as of January 1, 2006 by the community of Chanhassen as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 9.24 (million)

**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Chanhassen

| | | | | |
|--|------|--------------------------------------|--|--|
| Chaska | **** | COUNTY: Carver | POPULATION: 17,449 * | MEDIAN HOUSEHOLD INCOME (MHI): \$60,325 * |
| <i>Project(s)</i> | | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | | |
| pavement management plan | | | 2.2 | Sewer System Project |
| Chaska West Interceptor & First / Hickory St. Imp. | | | 11.07 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 13.27 | | \$1,020,145 | \$150.41 | 0.249% |

Overall cost of projects identified as of January 1, 2006 by the community of Chaska as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 13.27 (million)

**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Chaska

| | | | | |
|--|--|--------------------------------------|--|---|
| Chatfield | | COUNTY: Filmore | POPULATION: 2,394 * | MEDIAN HOUSEHOLD INCOME (MHI): \$44,023 * |
| <i>Project(s)</i> | | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | | |
| WWTP Expansion - Reconstruction | | | 6.5 | SFY 2006 PPL Treatment Facilities Project / Rank: 121 |
| <i>Subtotal of Cost Estimates (millions)</i> | | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 6.5 | | \$499,694 | \$483.57 | 1.098% |

Overall cost of projects identified as of January 1, 2006 by the community of Chatfield as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 6.5 (million)

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---|
| Chisago Lakes Sewage Tr | COUNTY: Chisago | POPULATION: 1* | MEDIAN HOUSEHOLD INCOME (MHI): \$1* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Rehab/expand existing system | | 7.2 | SFY 2006 PPL Treatment Facilities Project / Rank: 50 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 7.2 | \$553,507 | | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Chisago Lakes Sewage Treatment Commission as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 7.2 (million)</i> | | | |
| <hr/> | | | |
| Chisholm | COUNTY: St. Louis | POPULATION: 4,960* | MEDIAN HOUSEHOLD INCOME (MHI): \$28,472* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Wastewater Treatment Facility Improvements | | 9 | Wastewater Treatment Facilities Project |
| Replace digester cover | | 0.4 | SFY 2006 PPL Treatment Facilities Project / Rank: 145 |
| Sanitary Sewer System Improvements | | 3 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 12.4 | \$953,262 | \$393.91 | 1.383% |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Chisholm as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 12.4 (million)</i> | | | |
| <hr/> | | | |
| Clara City | COUNTY: Chippewa | POPULATION: 1,393* | MEDIAN HOUSEHOLD INCOME (MHI): \$34,306* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- 5 - 10 yr. ---</i> | | | |
| * Pop. and MHI from 2000 Census. Value of "1" indicates missing data. | | | |
| ** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods. | | | |
| *** Per household residential share of 20 year debt service | | | |

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Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| Northend Sewer Project | 0.5 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.5 | \$38,438 | \$58.54 | 0.171% |

Overall cost of projects identified as of January 1, 2006 by the community of Clara City as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.5 (million)

| | | | |
|--|--------------------------------------|--|--|
| Claremont | COUNTY: Dodge | POPULATION: 620* | MEDIAN HOUSEHOLD INCOME (MHI): \$35,987* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Wastewater Treatment Improvements | | 1.96 | Wastewater Treatment Facilities Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1.96 | \$150,677 | \$567.40 | 1.577% |

Overall cost of projects identified as of January 1, 2006 by the community of Claremont as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.96 (million)

| | | | |
|--|--------------------------------------|--|--|
| Climax | COUNTY: Polk | POPULATION: 243* | MEDIAN HOUSEHOLD INCOME (MHI): \$24,688* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Lift station updates, sewer main relining | | 0.15 | Wastewater Treatment Facilities Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.15 | \$11,531 | \$91.84 | 0.372% |

Overall cost of projects identified as of January 1, 2006 by the community of Climax as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.15 (million)

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|---|--------------------------------------|--|--|
| Cohasset | COUNTY: Itasca | POPULATION: 2,481 * | MEDIAN HOUSEHOLD INCOME (MHI): \$44,054 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- 5 - 10 yr. --- | | | |
| Collection System Expansion | | 2 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 2 | \$153,752 | \$144.14 | 0.327% |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Cohasset as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2 (million)</i> | | | |
| <hr/> | | | |
| Cokato | COUNTY: Wright | POPULATION: 2,727 * | MEDIAN HOUSEHOLD INCOME (MHI): \$39,613 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | |
| Broadway Avenue Sanitary Sewer Improvements | | 0.34 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.34 | \$26,138 | \$23.76 | 0.060% |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Cokato as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.34 (million)</i> | | | |
| <hr/> | | | |
| Cold Spring | COUNTY: Stearns | POPULATION: 2,975 * | MEDIAN HOUSEHOLD INCOME (MHI): \$37,500 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | |
| 3rd Street South re-lining | | 0.075 | Sewer System Project |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.075 | \$5,766 | \$4.65 | 0.012% |

--- 5 - 10 yr. ---

New Development and Rehabilitation 2.4 Sewer System Project

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 2.4 | \$184,502 | \$148.79 | 0.397% |

--- 10 - 20 yr. ---

New Development and Rehabilitation 4.86 Sewer System Project

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 4.86 | \$373,617 | \$301.30 | 0.803% |

Overall cost of projects identified as of January 1, 2006 by the community of Cold Spring

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.7335 (million)

Coleraine

COUNTY: Itasca

POPULATION: 1,110*

MEDIAN HOUSEHOLD INCOME (MHI): \$38,681*

Project(s)

Cost Estimate (millions)

Project Type / SFY 2005 PPL Listed - Rank

--- 5 - 10 yr. ---

Collection System Rehabilitation 0.6 Sewer System Project

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.6 | \$46,126 | \$93.71 | 0.242% |

Overall cost of projects identified as of January 1, 2006 by the community of Coleraine

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.6 (million)

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | | |
|---|------|--------------------------------------|--|--|
| Cologne | **** | COUNTY: Carver | POPULATION: 1,012 * | MEDIAN HOUSEHOLD INCOME (MHI): \$54,583 * |
| <i>Project(s)</i> | | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | | |
| Rehabilitation of old sewer lines | | | 0.5 | Sewer System Project |
| Subtotal of Cost Estimates (millions) | | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 0.5 | | \$38,438 | \$89.86 | 0.165% |
| <i>--- 5 - 10 yr. ---</i> | | | | |
| WWTP Expansion | | | 2.4 | Wastewater Treatment Facilities Project |
| Subtotal of Cost Estimates (millions) | | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 2.4 | | \$184,502 | \$431.30 | 0.790% |
| Overall cost of projects identified as of January 1, 2006 by the community of Cologne | | | | |
| as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2.9 (million) | | | | |
| **** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Cologne | | | | |

| | | | | |
|--|--|--------------------------------------|--|--|
| Cook | | COUNTY: St. Louis | POPULATION: 622 * | MEDIAN HOUSEHOLD INCOME (MHI): \$21,607 * |
| <i>Project(s)</i> | | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | | |
| Pump Station Upgrade and Boat Ramp Installation @ Pon | | | 1.6 | Wastewater Treatment Facilities Project |
| N. Area Alley Source Main Rehabilitation | | | 0.04 | Sewer System Project |
| Subtotal of Cost Estimates (millions) | | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 1.64 | | \$126,077 | \$412.61 | 1.910% |
| Overall cost of projects identified as of January 1, 2006 by the community of Cook | | | | |
| as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.64 (million) | | | | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| Coon Rapids | **** | COUNTY: Anoka | POPULATION: 61,607 * | MEDIAN HOUSEHOLD INCOME (MHI): \$55,550 * |
|---|------|--------------------------------------|--|--|
| <i>Project(s)</i> | | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- 5 - 10 yr. ---</i> | | | | |
| Future Collection System Extensions | | | 1 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1 | | \$76,876 | \$3.06 | 0.006% |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Coon Rapids as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1 (million)</i> | | | | |
| <i>**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Coon Rapids</i> | | | | |

| Cottonwood | | COUNTY: Lyon | POPULATION: 1,148 * | MEDIAN HOUSEHOLD INCOME (MHI): \$39,792 * |
|--|--|--------------------------------------|--|--|
| <i>Project(s)</i> | | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | | |
| Rehab/expand existing system | | | 1.166 | SFY 2006 PPL Treatment Facilities Project / Rank: 77 |
| Manhole Rehabilitation Project | | | 0.115 | SFY 2006 PPL Sewer System Project / Rank: 77 |
| <i>Subtotal of Cost Estimates (millions)</i> | | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1.281 | | \$98,478 | \$196.08 | 0.493% |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Cottonwood as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.281 (million)</i> | | | | |

| Cromwell | | COUNTY: Carlton | POPULATION: 143 * | MEDIAN HOUSEHOLD INCOME (MHI): \$25,000 * |
|-----------------------------|--|------------------------|---------------------------------|--|
| <i>Project(s)</i> | | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | | |
| Sanitary Sewer Improvements | | | 1.26 | SFY 2006 PPL Sewer System Project / Rank: 190 |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data. ** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods. *** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1.26 | \$96,864 | \$1,341.19 | 5.365% |

--- 5 - 10 yr. ---

| | | |
|--|-----|---|
| Wastewater Treatment Facility Improvements | 0.5 | Wastewater Treatment Facilities Project |
|--|-----|---|

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.5 | \$38,438 | \$532.22 | 2.129% |

Overall cost of projects identified as of January 1, 2006 by the community of Cromwell

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.76 (million)

| | | | |
|---------------|-----------------------|---------------------------|---|
| Dassel | COUNTY: Meeker | POPULATION: 1,233* | MEDIAN HOUSEHOLD INCOME (MHI): \$37,500* |
|---------------|-----------------------|---------------------------|---|

| | | |
|-------------------|---------------------------------|--|
| <i>Project(s)</i> | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
|-------------------|---------------------------------|--|

--- Current ---

| | | |
|-------------------------------------|------|----------------------|
| Upgrades to Main Lift Station North | 0.21 | Sewer System Project |
|-------------------------------------|------|----------------------|

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.21 | \$16,144 | \$28.21 | 0.075% |

--- 5 - 10 yr. ---

| | | |
|---|-----|---|
| Sanitary Sewer Rehab | 1.5 | Sewer System Project |
| Replacement of Spray Irrigation Equipment | 1 | Wastewater Treatment Facilities Project |
| Sanitary Sewer Trunk Line | 5 | Sewer System Project |

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 7.5 | \$576,570 | \$1,007.60 | 2.687% |

--- 10 - 20 yr. ---

| | | |
|---|-----|---|
| Construction of a New Wastewater Treatment Facility | 1.2 | Wastewater Treatment Facilities Project |
|---|-----|---|

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1.2 | \$92,251 | \$161.22 | 0.430% |

Overall cost of projects identified as of January 1, 2006 by the community of Dassel as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 8.91 (million)

| | | | |
|--|--------------------------------------|--|--|
| Dawson | COUNTY: Lac qui Parle | POPULATION: 1,539 * | MEDIAN HOUSEHOLD INCOME (MHI): \$31,442 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | |
| Rehab/expand existing system | | 1.5 | Wastewater Treatment Facilities Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1.5 | \$115,314 | \$153.30 | 0.488% |

Overall cost of projects identified as of January 1, 2006 by the community of Dawson as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.5 (million)

| | | | |
|--|--------------------------------------|--|--|
| Deer Creek | COUNTY: Otter Tail | POPULATION: 328 * | MEDIAN HOUSEHOLD INCOME (MHI): \$28,558 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | |
| Industrial connection | | 0.09 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.09 | \$6,919 | \$43.55 | 0.152% |

Overall cost of projects identified as of January 1, 2006 by the community of Deer Creek as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.09 (million)

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| Deer River | COUNTY: Itasca | POPULATION: 903* | MEDIAN HOUSEHOLD INCOME (MHI): \$21,900* | |
|---|--------------------------------------|--|---|--|
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Rehab/expand existing system | | 1.42 | SFY 2006 PPL Treatment Facilities Project / Rank: 149 | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 1.42 | \$109,164 | \$252.56 | 1.153% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Deer River as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.42 (million)</i> | | | | |
| <hr/> | | | | |
| Deerwood | COUNTY: Crow Wing | POPULATION: 590* | MEDIAN HOUSEHOLD INCOME (MHI): \$30,069* | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Rehab/Expand Existing System | | 0.15 | SFY 2006 PPL Treatment Facilities Project / Rank: 191 | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 0.15 | \$11,531 | \$40.54 | 0.135% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Deerwood as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.15 (million)</i> | | | | |
| <hr/> | | | | |
| Delano | COUNTY: Wright | POPULATION: 3,837* | MEDIAN HOUSEHOLD INCOME (MHI): \$52,917* | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Rehab/expand existing system | | 11.05 | Wastewater Treatment Facilities Project | |
| Northwest Interceptor | | 3.5 | Wastewater Treatment Facilities Project | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 14.55 | \$1,118,546 | \$735.89 | 1.391% |

Overall cost of projects identified as of January 1, 2006 by the community of Delano as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 14.55 (million)

| | | | |
|--|--------------------------------------|--|--|
| Dent | COUNTY: Otter Tail | POPULATION: 192* | MEDIAN HOUSEHOLD INCOME (MHI): \$30,938* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Treatment System Improvement | | 0.865 | SFY 2006 PPL Treatment Facilities Project / Rank: 70 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.865 | \$66,498 | \$777.25 | 2.512% |

Overall cost of projects identified as of January 1, 2006 by the community of Dent as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.865 (million)

| | | | |
|--|--------------------------------------|--|--|
| Detroit Lakes | COUNTY: Becker | POPULATION: 7,348* | MEDIAN HOUSEHOLD INCOME (MHI): \$29,264* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Long Lake Phase II | | 3.13 | Sewer System Project |
| Rehab/expand existing system - Long Lake Project | | 2.38 | Wastewater Treatment Facilities Project |
| Timber Creek Third Addition - Phase 1 | | 0.17 | Sewer System Project |
| Clear Creek Additional -Phase 1 | | 1.04 | Wastewater Treatment Facilities Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 6.72 | \$516,607 | \$140.09 | 0.479% |
| <i>--- 5 - 10 yr. ---</i> | | | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| Richwood Road (CSAH 21) | 0.37 | | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.37 | \$28,444 | \$7.71 | 0.026% |

Overall cost of projects identified as of January 1, 2006 by the community of Detroit Lakes as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 7.09 (million)

| | | | |
|--|--------------------------------------|--|--|
| Dilworth | COUNTY: Clay | POPULATION: 3,001 * | MEDIAN HOUSEHOLD INCOME (MHI): \$34,571 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | |
| Sewer rehab | | 0.98 | SFY 2006 PPL Sewer System Project / Rank: 192 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.98 | \$75,338 | \$58.45 | 0.169% |

Overall cost of projects identified as of January 1, 2006 by the community of Dilworth as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.98 (million)

| | | | |
|--|--------------------------------------|--|--|
| Duluth | COUNTY: St. Louis | POPULATION: 86,918 * | MEDIAN HOUSEHOLD INCOME (MHI): \$33,766 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | |
| Sewer rehab Morgan Park | | 4.52 | SFY 2006 PPL Sewer System Project / Rank: 104 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 4.52 | \$347,480 | \$8.81 | 0.026% |

Overall cost of projects identified as of January 1, 2006 by the community of Duluth as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 4.52 (million)

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | | |
|---|--------------------------------------|--|---|--|
| Dumont | COUNTY: Traverse | POPULATION: 122 * | MEDIAN HOUSEHOLD INCOME (MHI): \$28,750 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| --- Current --- | | | | |
| Facilities Rehabilitation Project | | 0.75 | SFY 2006 PPL Treatment Facilities Project / Rank: 12 | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 0.75 | \$57,657 | \$1,017.48 | 3.539% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Dumont as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.75 (million)</i> | | | | |
| <hr/> | | | | |
| Dunnell | COUNTY: Martin | POPULATION: 197 * | MEDIAN HOUSEHOLD INCOME (MHI): \$38,333 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| --- 10 - 20 yr. --- | | | | |
| Plant Rehabilitation | | 1.3 | SFY 2006 PPL Treatment Facilities Project / Rank: 129 | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 1.3 | \$99,939 | \$1,083.67 | 2.827% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Dunnell as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.3 (million)</i> | | | | |
| <hr/> | | | | |
| Eagan | COUNTY: Dakota | POPULATION: 63,557 * | MEDIAN HOUSEHOLD INCOME (MHI): \$67,388 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| --- Current --- | | | | |
| Annual Sewer Lining Project | | 0.125 | Sewer System Project | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.125 | \$9,610 | \$0.36 | 0.001% |

--- 5 - 10 yr. ---

Lone Oak Lift Station Rehab. 0.5 Sewer System Project

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.5 | \$38,438 | \$1.46 | 0.002% |

Overall cost of projects identified as of January 1, 2006 by the community of Eagan

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.625 (million)

*** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Eagan

| | | | |
|-------------------|---------------------|-------------------------|---|
| Eagle Bend | COUNTY: Todd | POPULATION: 595* | MEDIAN HOUSEHOLD INCOME (MHI): \$27,308* |
|-------------------|---------------------|-------------------------|---|

| | | |
|-------------------|---------------------------------|--|
| <i>Project(s)</i> | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
|-------------------|---------------------------------|--|

--- Current ---

Eagle Bend Wastewater Treatment Facilities 3.6 SFY 2006 PPL Treatment Facilities Project / Rank: 86

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 3.6 | \$276,754 | \$929.40 | 3.403% |

Overall cost of projects identified as of January 1, 2006 by the community of Eagle Bend

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 3.6 (million)

| | | | |
|-------------------------|---------------------|---------------------------|---|
| East Grand Forks | COUNTY: Polk | POPULATION: 7,501* | MEDIAN HOUSEHOLD INCOME (MHI): \$35,866* |
|-------------------------|---------------------|---------------------------|---|

| | | |
|-------------------|---------------------------------|--|
| <i>Project(s)</i> | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
|-------------------|---------------------------------|--|

--- Current ---

Sanitary Sewer - North of 23rd St NW 0.9 Sewer System Project
 Sanitary Sewer - Greenway Crossing 0.5 Sewer System Project
 Lift Station Replacement 0.34 Sewer System Project

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| Lagoon Outfall Repairs | | 0.05 | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1.79 | \$137,608 | \$42.28 | 0.118% |

Overall cost of projects identified as of January 1, 2006 by the community of East Grand Forks as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.79 (million)

| | | | |
|---|--------------------------------------|--|--|
| East Gull Lake | COUNTY: Cass | POPULATION: 978 * | MEDIAN HOUSEHOLD INCOME (MHI): \$55,750 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Wastewater Treatment Plant Improvements Project | | 1.97 | Wastewater Treatment Facilities Project |
| Sanitary Sewer Collection System Project | | 4.27 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 6.24 | \$479,706 | \$1,166.85 | 2.093% |

Overall cost of projects identified as of January 1, 2006 by the community of East Gull Lake as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 6.24 (million)

| | | | |
|--|--------------------------------------|--|--|
| Eden Prairie | COUNTY: Hennepin | POPULATION: 54,901 * | MEDIAN HOUSEHOLD INCOME (MHI): \$78,328 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| 175th Avenue Lift Station Rehab | | 0.075 | Sewer System Project |
| TH 5 Sewer Repair | | 0.2 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.275 | \$21,141 | \$0.93 | 0.001% |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

Overall cost of projects identified as of January 1, 2006 by the community of Eden Prairie

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.275 (million)

**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Eden Prairie

| | | | | |
|--|--------------------------------------|--|--|--|
| Eden Valley | COUNTY: Meeker | POPULATION: 866* | MEDIAN HOUSEHOLD INCOME (MHI): \$25,781* | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Replacement of aging equipment | | 1 | Wastewater Treatment Facilities Project | |
| Sanitary Sewer Improvements | | 1.08 | Sewer System Project | |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI | |
| 2.08 | \$159,902 | \$399.76 | 1.551% | |
| <i>--- 5 - 10 yr. ---</i> | | | | |
| Construction of Rapid Infiltration Basins | | 1 | Wastewater Treatment Facilities Project | |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI | |
| 1 | \$76,876 | \$192.19 | 0.745% | |

Overall cost of projects identified as of January 1, 2006 by the community of Eden Valley

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 3.08 (million)

| | | | | |
|------------------------|-------------------------|---------------------------------|--|--|
| Edina | COUNTY: Hennepin | POPULATION: 47,425* | MEDIAN HOUSEHOLD INCOME (MHI): \$66,019* | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Lift Station # 15 | | 0.188 | Sewer System Project | |
| Lift Station # 5 | | 0.161 | Sewer System Project | |
| Lift station #7 | | 0.12 | Wastewater Treatment Facilities Project | |
| Lift Station # 22 | | 0.3 | Sewer System Project | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | |
|--------------------------------|-------|---|
| Lift Station # 13 | 0.144 | Sewer System Project |
| Lift Station # 3 | 0.075 | Sewer System Project |
| Lift Station # 21 | 0.15 | Sewer System Project |
| Lift Station # 1 | 0.05 | Sewer System Project |
| Utility Data Collection System | 2.5 | Sewer System Project |
| Lift station #2 | 0.1 | Wastewater Treatment Facilities Project |
| Sewer Pipe replacement | 0.06 | Sewer System Project |
| Lift Station # 20 Rehab | 0.1 | Wastewater Treatment Facilities Project |
| Lift Station # 21 | 0.05 | Sewer System Project |
| Lift Station # 8 | 0.12 | Wastewater Treatment Facilities Project |
| Lift Station # 6 | 0.3 | Sewer System Project |
| Lift Station # 14 | 0.203 | Sewer System Project |
| Annual Manhole Rehabilitation | 0.05 | Sewer System Project |

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 4.671 | \$359,088 | \$15.39 | 0.023% |

Overall cost of projects identified as of January 1, 2006 by the community of Edina as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 4.671 (million)

**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Edina

| | | | |
|--|--------------------------------------|--|--|
| Effie | COUNTY: Itasca | POPULATION: 91* | MEDIAN HOUSEHOLD INCOME (MHI): \$31,250* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Rehab/Expand Existing System | | 1.2 | SFY 2006 PPL Unsewered Area Project / Rank62 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1.2 | \$92,251 | \$2,306.28 | 7.380% |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

Overall cost of projects identified as of January 1, 2006 by the community of Effie

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.2 (million)

| | | | | |
|--|--------------------------------------|--|--|--|
| Elbow Lake | COUNTY: Grant | POPULATION: 1,275* | MEDIAN HOUSEHOLD INCOME (MHI): \$30,441* | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Elbow Lake - West Side | | 0.83 | SFY 2006 PPL Sewer System Project / Rank: 194 | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 0.83 | \$63,807 | \$102.55 | 0.337% | |

Overall cost of projects identified as of January 1, 2006 by the community of Elbow Lake

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.83 (million)

| | | | | |
|--|--------------------------------------|--|--|--|
| Elgin | COUNTY: Wabasha | POPULATION: 826* | MEDIAN HOUSEHOLD INCOME (MHI): \$41,184* | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Expansion of Existing Facilities | | 6 | Wastewater Treatment Facilities Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 6 | \$461,256 | \$1,293.24 | 3.140% | |

Overall cost of projects identified as of January 1, 2006 by the community of Elgin

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 6 (million)

| | | | | |
|-------------------|--------------------------|---------------------------------|--|--|
| Elk River | COUNTY: Sherburne | POPULATION: 16,447* | MEDIAN HOUSEHOLD INCOME (MHI): \$58,114* | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

--- Current ---

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| Biosolids Mixing and Heating | 6.3 | Sewer System Project | |
| Pretreatment Bldg. / Process | 3 | Sewer System Project | |
| Replacement of Primary Digester Cover | 0.63 | Sewer System Project | |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 9.93 | \$763,379 | \$121.30 | 0.209% |

Overall cost of projects identified as of January 1, 2006 by the community of Elk River as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 9.93 (million)

Ellendale

COUNTY: Steele

POPULATION: 590 *

MEDIAN HOUSEHOLD INCOME (MHI): \$37,750 *

Project(s)

Cost Estimate (millions)

Project Type / SFY 2005 PPL Listed - Rank

--- Current ---

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| Rehab and expand sewer system | 0.96 | SFY 2006 PPL Sewer System Project / Rank: 78 | |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 0.96 | \$73,801 | \$263.57 | 0.698% |

Overall cost of projects identified as of January 1, 2006 by the community of Ellendale as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.96 (million)

Ellsworth

COUNTY: Nobles

POPULATION: 540 *

MEDIAN HOUSEHOLD INCOME (MHI): \$28,417 *

Project(s)

Cost Estimate (millions)

Project Type / SFY 2005 PPL Listed - Rank

--- Current ---

| | | | |
|--|--------------------------------------|---|---------------------------------------|
| Rehab Sewers I/I Reduction | 0.3 | SFY 2006 PPL Sewer System Project / Rank: 195 | |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 0.3 | \$23,063 | \$91.44 | 0.322% |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

Overall cost of projects identified as of January 1, 2006 by the community of Ellsworth

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.3 (million)

| | | | |
|---|---|---|--|
| Ely | COUNTY: St. Louis | POPULATION: 3,724* | MEDIAN HOUSEHOLD INCOME (MHI): \$27,615* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| 2004 Capital Improvements Plan | | 1.405 | SFY 2006 PPL Sewer System Project / Rank: 197 |
| West Chapman Street Improvement | | 0.5 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1.905 | \$146,449 | \$77.81 | 0.282% |

Overall cost of projects identified as of January 1, 2006 by the community of Ely

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs1.905 (million)

| | | | |
|---|---|---|--|
| Elysian | COUNTY: Le Sueur | POPULATION: 486* | MEDIAN HOUSEHOLD INCOME (MHI): \$37,750* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| See attached reports for system improvements | | 0.62 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.62 | \$47,663 | \$210.28 | 0.557% |

Overall cost of projects identified as of January 1, 2006 by the community of Elysian

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs0.62 (million)

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| Essig | COUNTY: Nicolett | POPULATION: 1* | MEDIAN HOUSEHOLD INCOME (MHI): \$1* |
|---|--------------------------------------|--|---|
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Unsewered Collection to Sleepy Eye | | 0.81 | SFY 2006 PPL Unsewered Area Project / Rank:198 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.81 | \$62,270 | | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Essig as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.81 (million)</i> | | | |
| <hr/> | | | |
| Evansville | COUNTY: Douglas | POPULATION: 566* | MEDIAN HOUSEHOLD INCOME (MHI): \$24,219* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Rehab/expand existing system | | 0.95 | SFY 2006 PPL Treatment Facilities Project / Rank: 176 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.95 | \$73,032 | \$263.97 | 1.090% |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Evansville as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.95 (million)</i> | | | |
| <hr/> | | | |
| Eveleth | COUNTY: St. Louis | POPULATION: 3,865* | MEDIAN HOUSEHOLD INCOME (MHI): \$27,736* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Wastewater Treatment Plant Renovation | | 3.6 | Wastewater Treatment Facilities Project |
| 2004 Sewer Replacement Project | | 0.345 | Sewer System Project |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| Fayal Location Sewer Replacement | 0.549 | | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 4.494 | \$345,481 | \$181.09 | 0.653% |

Overall cost of projects identified as of January 1, 2006 by the community of Eveleth as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 4.494 (million)

| | | | |
|--|--------------------------------------|--|--|
| Fairfax | COUNTY: Renville | POPULATION: 1,295 * | MEDIAN HOUSEHOLD INCOME (MHI): \$33,700 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- 5 - 10 yr. ---</i> | | | |
| Sanitary Sewer Replacement | | 0.04 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.04 | \$3,075 | \$5.18 | 0.015% |

Overall cost of projects identified as of January 1, 2006 by the community of Fairfax as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.04 (million)

| | | | |
|--|--------------------------------------|--|--|
| Fairmont | COUNTY: Martin | POPULATION: 10,889 * | MEDIAN HOUSEHOLD INCOME (MHI): \$33,709 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Wastewater Treatment Plant Improvements | | 14 | Wastewater Treatment Facilities Project |
| General Capital Improvement Program | | 1.5 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 15.5 | \$1,191,578 | \$228.08 | 0.677% |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

Overall cost of projects identified as of January 1, 2006 by the community of Fairmont as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 15.5 (million)

| Faribault | COUNTY: Rice | POPULATION: 20,818 * | MEDIAN HOUSEHOLD INCOME (MHI): \$40,865 * | |
|--|--------------------------------------|--|--|--|
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Northern Sewer Interceptor | | 0.5 | Sewer System Project | |
| WWTP Upgrade | | 15 | Wastewater Treatment Facilities Project | |
| Upgrade Sewer Interceptor B (20th Street NW) | | 0.2 | Sewer System Project | |
| Upgrade Sewer Interceptor A and Replace Lift Station | | 0.35 | Sewer System Project | |
| Northern Sewer Interceptor - Phase III | | 0.55 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 16.6 | \$1,276,142 | \$153.71 | 0.376% | |

Overall cost of projects identified as of January 1, 2006 by the community of Faribault as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 16.6 (million)

| Farmington | COUNTY: Dakota | POPULATION: 12,365 * | MEDIAN HOUSEHOLD INCOME (MHI): \$61,864 * | |
|--|--------------------------------------|--|--|--|
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Ash Street Reconstruction and Utility Improvements | | 1.33 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 1.33 | \$102,245 | \$22.07 | 0.036% | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

Overall cost of projects identified as of January 1, 2006 by the community of Farmington

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.33 (million)

**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Farmington

Fisher

COUNTY: Polk

POPULATION: 435*

MEDIAN HOUSEHOLD INCOME (MHI): \$38,750*

Project(s)

Cost Estimate (millions)

Project Type / SFY 2005 PPL Listed - Rank

--- Current ---

Fisher Wastewater Improvement Project

1.1

Sewer System Project

Sanitary Sewer Improvement

0.05

Sewer System Project

Subtotal of Cost Estimates (millions)

*Project Annual Debt Service***

*Annual 20 yr. Household Cost****

Annual Household Cost as % MHI

1.15

\$88,407

\$449.53

1.160%

Overall cost of projects identified as of January 1, 2006 by the community of Fisher

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.15 (million)

Floodwood

COUNTY: St. Louis

POPULATION: 503*

MEDIAN HOUSEHOLD INCOME (MHI): \$18,977*

Project(s)

Cost Estimate (millions)

Project Type / SFY 2005 PPL Listed - Rank

--- Current ---

Business Park Sewer Project

0.3

SFY 2006 PPL Sewer System Project / Rank: 199

Subtotal of Cost Estimates (millions)

*Project Annual Debt Service***

*Annual 20 yr. Household Cost****

Annual Household Cost as % MHI

0.3

\$23,063

\$81.72

0.431%

Overall cost of projects identified as of January 1, 2006 by the community of Floodwood

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.3 (million)

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| Foley | COUNTY: Benton | POPULATION: 2,154* | MEDIAN HOUSEHOLD INCOME (MHI): \$38,393* | |
|--|--------------------------------------|--|--|--|
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Birch Ponds | | 3 | Wastewater Treatment Facilities Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 3 | \$230,628 | \$274.56 | 0.715% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Foley as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 3 (million)</i> | | | | |
| <hr/> | | | | |
| Fosston | COUNTY: Polk | POPULATION: 1,575* | MEDIAN HOUSEHOLD INCOME (MHI): \$27,634* | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Rehab/expand existing system | | 0.11 | Wastewater Treatment Facilities Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 0.11 | \$8,456 | \$11.18 | 0.040% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Fosston as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.11 (million)</i> | | | | |
| <hr/> | | | | |
| Fountain | COUNTY: Fillmore | POPULATION: 343* | MEDIAN HOUSEHOLD INCOME (MHI): \$40,250* | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Rehabilitate and Expand Existing System | | 0.82 | SFY 2006 PPL Treatment Facilities Project / Rank: 54 | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.82 | \$63,038 | \$433.09 | 1.076% |

Overall cost of projects identified as of January 1, 2006 by the community of Fountain as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.82 (million)

| | | | |
|---|----------------|---------------------------------|--|
| Fox Lake Improvement District | COUNTY: Martin | POPULATION: 1 * | MEDIAN HOUSEHOLD INCOME (MHI): \$1 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Collection System connecting to Welcome | | 0.87 | SFY 2006 PPL Unsewered Area Project / Rank91 |

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.87 | \$66,882 | | |

Overall cost of projects identified as of January 1, 2006 by the community of Fox Lake Improvement District as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.87 (million)

| | | | |
|---|-------------------|---------------------------------|--|
| Franklin | COUNTY: St. Louis | POPULATION: 498 * | MEDIAN HOUSEHOLD INCOME (MHI): \$37,583 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| City of Franklin Wastewater System Improvements | | 2.96 | Sewer System Project |

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 2.96 | \$227,553 | \$1,050.24 | 2.794% |

Overall cost of projects identified as of January 1, 2006 by the community of Franklin as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2.96 (million)

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | | |
|--|--------------------------------------|--|--|--|
| Frazee | COUNTY: Becker | POPULATION: 1,377 * | MEDIAN HOUSEHOLD INCOME (MHI): \$26,150 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| --- Current --- | | | | |
| South Lake Street | | 0.825 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 0.825 | \$63,423 | \$113.25 | 0.433% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Frazee as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.825 (million)</i> | | | | |
| <hr/> | | | | |
| Freeport | COUNTY: Stearns | POPULATION: 454 * | MEDIAN HOUSEHOLD INCOME (MHI): \$32,955 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| --- 5 - 10 yr. --- | | | | |
| Clay, Tile, Line Replacement | | 0.1 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 0.1 | \$7,688 | \$36.41 | 0.110% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Freeport as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.1 (million)</i> | | | | |
| <hr/> | | | | |
| Fridley | COUNTY: Anoka | POPULATION: 27,449 * | MEDIAN HOUSEHOLD INCOME (MHI): \$48,372 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| --- 5 - 10 yr. --- | | | | |
| 2004 St. Project - 2004 Liner Project | | 0.135 | Sewer System Project | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.135 | \$10,378 | \$0.82 | 0.002% |

Overall cost of projects identified as of January 1, 2006 by the community of Fridley as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.135 (million)

**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Fridley

| | | | |
|--|--------------------------------------|--|--|
| Garfield | COUNTY: Douglas | POPULATION: 281 * | MEDIAN HOUSEHOLD INCOME (MHI): \$30,000 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- 10 - 20 yr. --- | | | |
| Garfield Wastewater | | 0.7 | Wastewater Treatment Facilities Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.7 | \$53,813 | \$436.32 | 1.454% |

Overall cost of projects identified as of January 1, 2006 by the community of Garfield as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.7 (million)

| | | | |
|--|--------------------------------------|--|--|
| Gary | COUNTY: Norman | POPULATION: 215 * | MEDIAN HOUSEHOLD INCOME (MHI): \$36,875 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | |
| Unsewered Area Collection and Treatment | | 1.74 | SFY 2006 PPL Unsewered Area Project / Rank:43 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1.74 | \$133,764 | \$1,450.46 | 3.933% |

Overall cost of projects identified as of January 1, 2006 by the community of Gary as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.74 (million)

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | | |
|--|------|--------------------------------------|--|---|
| Gem Lake | **** | COUNTY: Ramsey | POPULATION: 419* | MEDIAN HOUSEHOLD INCOME (MHI): \$64,167* |
| <i>Project(s)</i> | | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- 5 - 10 yr. --- | | | | |
| Inflow/Infiltration Mitigation | | | 0.5 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.5 | | \$38,438 | \$248.88 | 0.388% |
| Overall cost of projects identified as of January 1, 2006 by the community of Gem Lake | | | | |
| as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.5 (million) | | | | |
| **** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Gem Lake | | | | |
| <hr/> | | | | |
| Gilbert | | COUNTY: St. Louis | POPULATION: 1,847* | MEDIAN HOUSEHOLD INCOME (MHI): \$35,859* |
| <i>Project(s)</i> | | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | | |
| Wastewater Treatment Facility Improvements | | | 2.47 | SFY 2006 PPL Treatment Facilities Project / Rank: 146 |
| <i>Subtotal of Cost Estimates (millions)</i> | | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 2.47 | | \$189,884 | \$202.96 | 0.566% |
| --- 5 - 10 yr. --- | | | | |
| 2004 Facility | | | 1 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1 | | \$76,876 | \$82.17 | 0.229% |
| Overall cost of projects identified as of January 1, 2006 by the community of Gilbert | | | | |
| as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 3.47 (million) | | | | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | | |
|---|--------------------------------------|--|--|--|
| Gilman | COUNTY: Benton | POPULATION: 215 * | MEDIAN HOUSEHOLD INCOME (MHI): \$49,063 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Secondary Pond expansion | | 1 | Wastewater Treatment Facilities Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 1 | \$76,876 | \$813.98 | 1.659% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Gilman as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1 (million)</i> | | | | |
| <hr/> | | | | |
| Golden Valley | COUNTY: Hennepin | POPULATION: 20,281 * | MEDIAN HOUSEHOLD INCOME (MHI): \$62,063 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Pavement Management projects (2006 through 2014) | | 8.1 | Sewer System Project | |
| Pavement Management Projects (assoc. sewer work) | | 9 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 17.1 | \$1,314,580 | \$140.03 | 0.226% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Golden Valley as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 17.1 (million)</i> | | | | |
| <i>**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Golden Valley</i> | | | | |
| <hr/> | | | | |
| Goodview | COUNTY: Winona | POPULATION: 3,373 * | MEDIAN HOUSEHOLD INCOME (MHI): \$43,654 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Service Extension for Connecting and Development | | 0.25 | Sewer System Project | |
| <p>* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.</p> <p>** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.</p> <p>*** Per household residential share of 20 year debt service</p> | | | | |

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Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| Gallagher Property Sewer and Water Connection and Exte | 0.49 | | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.74 | \$56,888 | \$37.24 | 0.085% |

--- 5 - 10 yr. ---

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| 63rd Ave. and 5th Street Extension | 0.28 | | Sewer System Project |
| Kowalewski/Anderson Extension | 0.3 | | Sewer System Project |
| Saehler and Anderson Addition and Extension | 0.55 | | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1.13 | \$86,870 | \$56.86 | 0.130% |

Overall cost of projects identified as of January 1, 2006 by the community of Goodview as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.87 (million)

| | | | |
|--|--------------------------------------|--|--|
| Grand Marais | COUNTY: Cook | POPULATION: 1,353* | MEDIAN HOUSEHOLD INCOME (MHI): \$33,493* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | |
| I/I correction | | 0.65 | SFY 2006 PPL Treatment Facilities Project / Rank: 94 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.65 | \$49,969 | \$69.72 | 0.208% |

Overall cost of projects identified as of January 1, 2006 by the community of Grand Marais as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.65 (million)

| | | | |
|---------------------|----------------------|---------------------------------|--|
| Grand Meadow | COUNTY: Mower | POPULATION: 945* | MEDIAN HOUSEHOLD INCOME (MHI): \$38,187* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| Sewer Service Rehab | 0.25 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.25 | \$19,219 | \$43.79 | 0.115% |

Overall cost of projects identified as of January 1, 2006 by the community of Grand Meadow as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.25 (million)

| | | | |
|---|--------------------------------------|--|--|
| Grand Rapids | COUNTY: Itasca | POPULATION: 7,764 * | MEDIAN HOUSEHOLD INCOME (MHI): \$28,991 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Stoeke Addition - Service extension to unsewered area | | 0.65 | Sewer System Project |
| WWTF Modifications-Phase 1 | | 19.8 | Wastewater Treatment Facilities Project |
| Trunk/Interceptor Replacment/Extension 1993-2013 | | 3 | SFY 2006 PPL Sewer System Project / Rank: 203 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 23.45 | \$1,802,742 | \$437.36 | 1.509% |
| <i>--- 5 - 10 yr. ---</i> | | | |
| Replacement of Secondary Aeration System and Sludge D | | 21.48 | Wastewater Treatment Facilities Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 21.48 | \$1,651,296 | \$431.27 | 1.488% |

Overall cost of projects identified as of January 1, 2006 by the community of Grand Rapids as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 44.93 (million)

| | | | |
|------------------------|-----------------------|---------------------------------|--|
| Greenbush | COUNTY: Roseau | POPULATION: 334 * | MEDIAN HOUSEHOLD INCOME (MHI): \$33,750 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---|
| Wastewater Stabilization Pond Improvements | 0.172 | | SFY 2006 PPL Sewer System Project / Rank: 204 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.172 | \$13,223 | \$87.50 | 0.259% |

Overall cost of projects identified as of January 1, 2006 by the community of Greenbush as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.172 (million)

| | | | |
|--|--------------------------------------|--|--|
| Grey Eagle | COUNTY: Todd | POPULATION: 335* | MEDIAN HOUSEHOLD INCOME (MHI): \$32,917* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- 5 - 10 yr. ---</i> | | | |
| Schoenstatt Court Improvements | | 0.199 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.199 | \$15,298 | \$91.18 | 0.277% |

Overall cost of projects identified as of January 1, 2006 by the community of Grey Eagle as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.199 (million)

| | | | |
|--|--------------------------------------|--|--|
| Guckeen | COUNTY: Fairbault | POPULATION: 1* | MEDIAN HOUSEHOLD INCOME (MHI): \$1* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Faribault County - Guckeen | | 0.5 | SFY 2006 PPL Unsewered Area Project / Rank23 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.5 | \$38,438 | | |

Overall cost of projects identified as of January 1, 2006 by the community of Guckeen as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.5 (million)

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | | |
|---|--------------------------------------|--|--|--|
| Hackensack | COUNTY: Cass | POPULATION: 285* | MEDIAN HOUSEHOLD INCOME (MHI): \$24,375* | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Bear Pause Theater Service Extension | | 0.17 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 0.17 | \$13,069 | \$89.11 | 0.366% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Hackensack as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.17 (million)</i> | | | | |
| <hr/> | | | | |
| Hamburg | COUNTY: Anoka | POPULATION: 12,710* | MEDIAN HOUSEHOLD INCOME (MHI): \$47,578* | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Sewer Expansion to NYA | | 2.88 | SFY 2006 PPL Sewer System Project / Rank: 150 | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 2.88 | \$221,403 | \$48.14 | 0.101% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Hamburg as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2.88 (million)</i> | | | | |
| <i>**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Hamburg</i> | | | | |
| <hr/> | | | | |
| Hampton | COUNTY: Dakota | POPULATION: 434* | MEDIAN HOUSEHOLD INCOME (MHI): \$53,438* | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Inflow/Infiltration Reduction Program | | 3.5 | SFY 2006 PPL Sewer System Project / Rank: 205 | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|---|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 3.5 | \$269,066 | \$1,552.30 | 2.905% |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Hampton as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 3.5 (million)</i> | | | |
| <i>**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Hampton</i> | | | |

| | | | |
|--|--------------------------------------|--|--|
| Hancock | COUNTY: Stevens | POPULATION: 717 * | MEDIAN HOUSEHOLD INCOME (MHI): \$34,583 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| New Stabilization pond system | | 2.170465 | Wastewater Treatment Facilities Project |
| Wastewater Treatment Improvements Rehab | | 2.476389 | SFY 2006 PPL Treatment Facilities Project / Rank: 47 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 4.646854 | \$357,232 | \$1,093.57 | 3.162% |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Hancock as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 4.6469 (million)</i> | | | |

| | | | |
|--|--------------------------------------|--|--|
| Harris | COUNTY: Chisago | POPULATION: 1,121 * | MEDIAN HOUSEHOLD INCOME (MHI): \$49,545 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| New Treatment Facilities | | 4.4 | SFY 2006 PPL Treatment Facilities Project / Rank: 65 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 4.4 | \$338,254 | \$807.50 | 1.630% |
| <i>--- 5 - 10 yr. ---</i> | | | |
| Wastewater Treatment Facility Improvements | | 0.46 | Wastewater Treatment Facilities Project |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.46 | \$35,363 | \$84.42 | 0.170% |

Overall cost of projects identified as of January 1, 2006 by the community of Harris as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 4.86 (million)

| | | | |
|--|--------------------------------------|--|--|
| Hatfield | COUNTY: Pipestone | POPULATION: 47 * | MEDIAN HOUSEHOLD INCOME (MHI): \$25,938 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Entire Wastewater Collection and Treatment Project | | 0.055 | SFY 2006 PPL Sewer System Project / Rank: 89 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.055 | \$4,228 | \$172.97 | 0.667% |

Overall cost of projects identified as of January 1, 2006 by the community of Hatfield as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs055 (million)

| | | | |
|--|--------------------------------------|--|--|
| Hawley | COUNTY: Clay | POPULATION: 1,882 * | MEDIAN HOUSEHOLD INCOME (MHI): \$35,652 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Sewer Rehabilitation Project | | 2.13 | SFY 2006 PPL Sewer System Project / Rank: 60 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 2.13 | \$163,746 | \$198.08 | 0.556% |

Overall cost of projects identified as of January 1, 2006 by the community of Hawley as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2.13 (million)

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| Hector | COUNTY: Renville | POPULATION: 1,166* | MEDIAN HOUSEHOLD INCOME (MHI): \$33,000* | |
|---|--------------------------------------|--|--|--|
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| 2004 2nd Street E Street Project | | 0.587 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 0.587 | \$45,126 | \$79.79 | 0.242% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Hector as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.587 (million)</i> | | | | |
| <hr/> | | | | |
| Henderson | COUNTY: Sibley | POPULATION: 910* | MEDIAN HOUSEHOLD INCOME (MHI): \$43,125* | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Replacement of Wastewater Treatment Facility | | 2.2 | Wastewater Treatment Facilities Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 2.2 | \$169,127 | \$432.43 | 1.003% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Henderson as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2.2 (million)</i> | | | | |
| <hr/> | | | | |
| Henning | COUNTY: Otter Tail | POPULATION: 719* | MEDIAN HOUSEHOLD INCOME (MHI): \$21,944* | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- 5 - 10 yr. ---</i> | | | | |
| Replace & Repair Sewer Lines to Eliminate Infiltration/Inf | | 12.2 | Sewer System Project | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 12.2 | \$937,887 | \$2,306.28 | 10.510% |

Overall cost of projects identified as of January 1, 2006 by the community of Henning as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 12.2 (million)

| | | | |
|--------------------------|---------------------|---------------------------------|--|
| Henriette | COUNTY: Pine | POPULATION: 101* | MEDIAN HOUSEHOLD INCOME (MHI): \$28,542* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | |
| Renovation of Facilities | | 0.97 | SFY 2006 PPL Treatment Facilities Project / Rank: 57 |

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.97 | \$74,570 | \$1,813.86 | 6.355% |

Overall cost of projects identified as of January 1, 2006 by the community of Henriette as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.97 (million)

| | | | |
|----------------------------|----------------------|---------------------------------|--|
| Herman | COUNTY: Grant | POPULATION: 452* | MEDIAN HOUSEHOLD INCOME (MHI): \$31,429* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | |
| Complete Sewer Replacement | | 2.8 | Sewer System Project |
| WWTF Replacement | | 2.185 | Wastewater Treatment Facilities Project |

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 4.985 | \$383,227 | \$1,699.04 | 5.406% |

Overall cost of projects identified as of January 1, 2006 by the community of Herman as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 4.985 (million)

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|---|--------------------------------------|--|---|
| Hermantown | COUNTY: St. Louis | POPULATION: 7,448 * | MEDIAN HOUSEHOLD INCOME (MHI): \$49,861 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | |
| Trunk Sewer Phase III | | 2.165943 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 2.165943 | \$166,509 | \$54.97 | 0.110% |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Hermantown as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2.1659 (million)</i> | | | |
| <hr/> | | | |
| Hibbing | COUNTY: St. Louis | POPULATION: 17,071 * | MEDIAN HOUSEHOLD INCOME (MHI): \$33,346 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | |
| Sanitary and Storm Sewer Rehabilitation Projects | | 4.98 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 4.98 | \$382,842 | \$46.32 | 0.139% |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Hibbing as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 4.98 (million)</i> | | | |
| <hr/> | | | |
| Hill City | COUNTY: Aitkin | POPULATION: 479 * | MEDIAN HOUSEHOLD INCOME (MHI): \$22,308 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | |
| Collection System Rehabilitation | | 0.6 | Sewer System Project |
| Wastewater Treatment Ponds Rehabilitation | | 1.2 | SFY 2006 PPL Treatment Facilities Project / Rank: 143 |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|---|---|---|--|
| I/I Reduction | 0.2 | Sewer System Project | |
| Service extension to unsewered area | 0.2 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 2.2 | \$169,127 | \$714.62 | 3.203% |

Overall cost of projects identified as of January 1, 2006 by the community of Hill City

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2.2 (million)

| | | | |
|---|---|---|--|
| Hitterdal | COUNTY: Clay | POPULATION: 201* | MEDIAN HOUSEHOLD INCOME (MHI): \$32,500* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Sewer extension | | 0.4 | SFY 2006 PPL Treatment Facilities Project / Rank: 97 |
| Rehab/expand ponds | | 0.4 | SFY 2006 PPL Treatment Facilities Project / Rank: 97 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.8 | \$61,501 | \$643.61 | 1.980% |

Overall cost of projects identified as of January 1, 2006 by the community of Hitterdal

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.8 (million)

| | | | |
|---|---|---|--|
| Hoffman | COUNTY: Grant | POPULATION: 672* | MEDIAN HOUSEHOLD INCOME (MHI): \$29,464* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Rehab ponds, sewer mains | | 1.5 | Wastewater Treatment Facilities Project |
| Rehab ponds, sewer mains | | 1 | Wastewater Treatment Facilities Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 2.5 | \$192,190 | \$631.28 | 2.143% |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

Overall cost of projects identified as of January 1, 2006 by the community of Hoffman

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2.5 (million)

Hokah

COUNTY: Houston

POPULATION: 614*

MEDIAN HOUSEHOLD INCOME (MHI): \$26,838*

Project(s)

Cost Estimate (millions)

Project Type / SFY 2005 PPL Listed - Rank

--- Current ---

Wastewater Treatment Plant Improvements

1.93

SFY 2006 PPL Treatment Facilities Project / Rank: 123

Sanitary Sewer Interceptor Replacement

0.05

SFY 2006 PPL Sewer System Project / Rank: 123

Subtotal of Cost Estimates (millions)

*Project Annual Debt Service***

*Annual 20 yr. Household Cost****

Annual Household Cost as % MHI

1.98

\$152,214

\$505.51

1.884%

Overall cost of projects identified as of January 1, 2006 by the community of Hokah

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.98 (million)

Howard Lake

COUNTY: Wright

POPULATION: 1,853*

MEDIAN HOUSEHOLD INCOME (MHI): \$38,015*

Project(s)

Cost Estimate (millions)

Project Type / SFY 2005 PPL Listed - Rank

--- Current ---

County Road 6 Improvements

0.152

SFY 2006 PPL Sewer System Project / Rank: 169

South Side

1.8

SFY 2006 PPL Sewer System Project / Rank: 169

Phase 2 South Side

1.358

Sewer System Project

6th and 7th Avenue, 7th, 8th and 10th Street

1.33

Sewer System Project

Pretreatment Bldg-oxidation ditch-clarifier-disinfection Bi

2.59

Wastewater Treatment Facilities Project

10th and 11th Avenue, 7th and 9th Street

1.12

Sewer System Project

6th Avenue 9th 10th and 11th Street

0.77

Sewer System Project

12th and 13th Avenue and 7th and 8th Street

1.155

Sewer System Project

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| 9th Avenue 7th 8th and 9th Street | 0.98 | | Sewer System Project |
| 8th Avenue and 9th 11th Street | 0.98 | | Sewer System Project |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 12.235 | \$940,578 | \$1,151.73 | 3.030% |

Overall cost of projects identified as of January 1, 2006 by the community of Howard Lake as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 12.235 (million)

| | | | |
|--|--------------------------------------|--|--|
| Huntley | COUNTY: Fairbault | POPULATION: 1* | MEDIAN HOUSEHOLD INCOME (MHI): \$1* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Sewer and Connect to Winnebago | | 1.7 | SFY 2006 PPL Unsewered Area Project / Rank:7 |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 1.7 | \$130,689 | | |

Overall cost of projects identified as of January 1, 2006 by the community of Huntley as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.7 (million)

| | | | |
|--|--------------------------------------|--|--|
| Hutchinson | COUNTY: McLeod | POPULATION: 13,080* | MEDIAN HOUSEHOLD INCOME (MHI): \$42,278* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Phosphorus Standard Treatment Improvements | | 8.8 | SFY 2006 PPL Treatment Facilities Project / Rank: 10 |
| 2006-2010 Capital Improvement Plan | | 3.285 | Sewer System Project |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 12.085 | \$929,046 | \$156.79 | 0.371% |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

Overall cost of projects identified as of January 1, 2006 by the community of Hutchinson as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 12.085 (million)

| | | | | |
|---|--------------------------------------|--|--|--|
| Ihlen | COUNTY: Pipestone | POPULATION: 107* | MEDIAN HOUSEHOLD INCOME (MHI): \$31,250* | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- 5 - 10 yr. ---</i> | | | | |
| Individual & Main Lift Station Rehabilitation | | 0.09 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 0.09 | \$6,919 | \$144.81 | 0.463% | |
| <i>--- 10 - 20 yr. ---</i> | | | | |
| Expand Mound System | | 0.18 | Wastewater Treatment Facilities Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 0.18 | \$13,838 | \$289.63 | 0.927% | |

Overall cost of projects identified as of January 1, 2006 by the community of Ihlen as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.27 (million)

| | | | | |
|--|--------------------------------------|--|--|--|
| Iron Junction | COUNTY: St. Louis | POPULATION: 93* | MEDIAN HOUSEHOLD INCOME (MHI): \$40,938* | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| 1st St. Sewer Replacement | | 0.035 | Wastewater Treatment Facilities Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 0.035 | \$2,691 | \$55.04 | 0.134% | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

Overall cost of projects identified as of January 1, 2006 by the community of Iron Junction

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.035 (million)

Isanti

COUNTY: Isanti

POPULATION: 2,324*

MEDIAN HOUSEHOLD INCOME (MHI): \$43,587*

Project(s)

Cost Estimate (millions)

Project Type / SFY 2005 PPL Listed - Rank

--- Current ---

2006 street and utility improvements

0.231

Sewer System Project

Subtotal of Cost Estimates (millions)

*Project Annual Debt Service***

*Annual 20 yr. Household Cost****

Annual Household Cost as % MHI

0.231

\$17,758

\$19.59

0.045%

Overall cost of projects identified as of January 1, 2006 by the community of Isanti

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.231 (million)

Isle

COUNTY: Mille Lacs

POPULATION: 707*

MEDIAN HOUSEHOLD INCOME (MHI): \$32,375*

Project(s)

Cost Estimate (millions)

Project Type / SFY 2005 PPL Listed - Rank

--- Current ---

Infrastructure Replacement Plan

3.56

SFY 2006 PPL Sewer System Project / Rank: 160

Subtotal of Cost Estimates (millions)

*Project Annual Debt Service***

*Annual 20 yr. Household Cost****

Annual Household Cost as % MHI

3.56

\$273,679

\$762.57

2.355%

Overall cost of projects identified as of January 1, 2006 by the community of Isle

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 3.56 (million)

Ivanhoe

COUNTY: Lincoln

POPULATION: 679*

MEDIAN HOUSEHOLD INCOME (MHI): \$28,125*

Project(s)

Cost Estimate (millions)

Project Type / SFY 2005 PPL Listed - Rank

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

--- Current ---

| | | | |
|---|---|---|--|
| Railroad street development area and graff area | 0.3 | Sewer System Project | |
| pond dredgeing out | 0.1 | Wastewater Treatment Facilities Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.4 | \$30,750 | \$89.28 | 0.317% |

Overall cost of projects identified as of January 1, 2006 by the community of Ivanhoe as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.4 (million)

| | | | |
|-------------------|----------------|---------------------------------|--|
| Janesville | COUNTY: Waseca | POPULATION: 2,109 * | MEDIAN HOUSEHOLD INCOME (MHI): \$41,667 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |

--- 10 - 20 yr. ---

| | | | |
|---|---|---|--|
| Sewer Rehabilitation | 1.25 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1.25 | \$96,095 | \$105.99 | 0.254% |

Overall cost of projects identified as of January 1, 2006 by the community of Janesville as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.25 (million)

| | | | |
|-------------------|---------------|---------------------------------|--|
| Jordan | COUNTY: Scott | POPULATION: 3,833 * | MEDIAN HOUSEHOLD INCOME (MHI): \$47,468 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |

--- Current ---

| | | | |
|---|---|---|--|
| TH 282 (Second Street) Reconstruction | 0.092 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.092 | \$7,073 | \$4.72 | 0.010% |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

Overall cost of projects identified as of January 1, 2006 by the community of Jordan

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs0.092 (million)

**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Jordan

Judson Township

COUNTY: Blue Earth

POPULATION: 1*

MEDIAN HOUSEHOLD INCOME (MHI): \$1*

Project(s)

Cost Estimate (millions)

Project Type / SFY 2005 PPL Listed - Rank

--- Current ---

Develop Collection and Treatment Systems

1.08

SFY 2006 PPL Unsewered Area Project / Rank:76

Subtotal of Cost Estimates (millions)

*Project Annual Debt Service***

*Annual 20 yr. Household Cost****

Annual Household Cost as % MHI

1.08

\$83,026

Overall cost of projects identified as of January 1, 2006 by the community of Judson Township

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs1.08 (million)

Kasson

COUNTY: Dodge

POPULATION: 4,398*

MEDIAN HOUSEHOLD INCOME (MHI): \$49,022*

Project(s)

Cost Estimate (millions)

Project Type / SFY 2005 PPL Listed - Rank

--- Current ---

Sump Pump/Roof Drain Insp.

0.062

Sewer System Project

Subtotal of Cost Estimates (millions)

*Project Annual Debt Service***

*Annual 20 yr. Household Cost****

Annual Household Cost as % MHI

0.062

\$4,766

\$2.56

0.005%

Overall cost of projects identified as of January 1, 2006 by the community of Kasson

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs0.062 (million)

Keewatin

COUNTY: Itasca

POPULATION: 1,164*

MEDIAN HOUSEHOLD INCOME (MHI): \$28,795*

Project(s)

Cost Estimate (millions)

Project Type / SFY 2005 PPL Listed - Rank

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

--- Current ---

| | | | |
|--|--------------------------------------|--|---|
| Imhoff Tank Pump and Walkway | 0.02 | | Wastewater Treatment Facilities Project |
| Infiltration and Inflow Reduction | 0.05 | | Sewer System Project |
| Replacement of Main Lift Pumps | 0.07 | | Wastewater Treatment Facilities Project |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 0.14 | \$10,763 | \$18.56 | 0.064% |

--- 5 - 10 yr. ---

| | | | |
|--|--------------------------------------|--|---|
| RBC Cover Replacement | 0.01 | | Wastewater Treatment Facilities Project |
| Replace Primary Clarifier Drive | 0.01 | | Wastewater Treatment Facilities Project |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 0.02 | \$1,538 | \$2.65 | 0.009% |

Overall cost of projects identified as of January 1, 2006 by the community of Keewatin

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.16 (million)

| | | | | |
|--|--------------------------------------|--|--|--|
| Kent | COUNTY: Wilkin | POPULATION: 120* | MEDIAN HOUSEHOLD INCOME (MHI): \$30,417* | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| --- Current --- | | | | |
| Develop Collection System and Regionalize | | 0.7 | SFY 2006 PPL Unsewered Area Project / Rank34 | |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI | |
| 0.7 | \$53,813 | \$1,181.27 | 3.884% | |

Overall cost of projects identified as of January 1, 2006 by the community of Kent

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.7 (million)

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---|
| Kilkenny | COUNTY: Le Sueur | POPULATION: 148 [*] | MEDIAN HOUSEHOLD INCOME (MHI): \$39,583 [*] |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | |
| Sewer Expansion | | 0.0544 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.0544 | \$4,182 | \$63.79 | 0.161% |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Kilkenny as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.0544 (million)</i> | | | |
| <hr/> | | | |
| Knife River-Larsmont Sa | COUNTY: Lake | POPULATION: 1 [*] | MEDIAN HOUSEHOLD INCOME (MHI): \$1 [*] |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | |
| Larsmont Sanitary Sewer Project | | 9 | SFY 2006 PPL Sewer System Project / Rank: 52 |
| Knife River Sanitary Sewer Project | | 1.8 | SFY 2006 PPL Sewer System Project / Rank: 52 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 10.8 | \$830,261 | | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Knife River-Larsmont Sanitary District as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 10.8 (million)</i> | | | |
| <hr/> | | | |
| La Crescent | COUNTY: Houston | POPULATION: 4,923 [*] | MEDIAN HOUSEHOLD INCOME (MHI): \$45,433 [*] |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- 5 - 10 yr. --- | | | |
| Wastewater Treatment Plant Modifications | | 0.8 | SFY 2006 PPL Treatment Facilities Project / Rank: 130 |
| <p><small>* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.</small></p> <p><small>** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.</small></p> <p><small>*** Per household residential share of 20 year debt service</small></p> | | | |

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Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.8 | \$61,501 | \$28.53 | 0.063% |

Overall cost of projects identified as of January 1, 2006 by the community of La Crescent as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.8 (million)

| | | | |
|--|--------------------------------------|--|--|
| La Salle | COUNTY: Watonwan | POPULATION: 90* | MEDIAN HOUSEHOLD INCOME (MHI): \$29,375* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Develop Collection and Treatment Systems | | 1.66 | SFY 2006 PPL Unsewered Area Project / Rank#4 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1.66 | \$127,614 | \$2,610.29 | 8.886% |

Overall cost of projects identified as of January 1, 2006 by the community of La Salle as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.66 (million)

| | | | |
|--|--------------------------------------|--|--|
| Lafayette | COUNTY: Nicollet | POPULATION: 529* | MEDIAN HOUSEHOLD INCOME (MHI): \$36,719* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| WWTP: Air circ. For Trick. Filter I and I Improvements | | 0.01 | Wastewater Treatment Facilities Project |
| WWTP: Spiralgester rehab. | | 0.215 | Sewer System Project |
| | | 0.035 | Wastewater Treatment Facilities Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.26 | \$19,988 | \$89.05 | 0.243% |
| <i>--- 5 - 10 yr. ---</i> | | | |
| WWTP: Chlorine Bldg. Feed | | 0.05 | Wastewater Treatment Facilities Project |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | |
|---------------------------------|-------|---|
| WWTP: Cover for Final Clarifier | 0.025 | Wastewater Treatment Facilities Project |
| WWTP: Preliminary treatment | 0.125 | Wastewater Treatment Facilities Project |
| WWTP: Sludge storage | 0.075 | Wastewater Treatment Facilities Project |

| | | | |
|---|---|---|--|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.275 | \$21,141 | \$94.19 | 0.257% |

Overall cost of projects identified as of January 1, 2006 by the community of Lafayette

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs0.535 (million)

Lake Benton

COUNTY: Lincoln

POPULATION: 703*

MEDIAN HOUSEHOLD INCOME (MHI): \$29,583*

Project(s)

Cost Estimate (millions)

Project Type / SFY 2005 PPL Listed - Rank

--- Current ---

| | | |
|---------------------------------|-------|----------------------|
| 2003 Infrastructure Improvement | 2.847 | Sewer System Project |
|---------------------------------|-------|----------------------|

| | | | |
|---|---|---|--|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 2.847 | \$218,866 | \$589.76 | 1.994% |

--- 10 - 20 yr. ---

| | | |
|------------------|------|---|
| Pond Replacement | 1.12 | Wastewater Treatment Facilities Project |
|------------------|------|---|

| | | | |
|---|---|---|--|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1.12 | \$86,101 | \$232.01 | 0.784% |

Overall cost of projects identified as of January 1, 2006 by the community of Lake Benton

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs3.967 (million)

Lake Lillian

COUNTY: Kandiyohi

POPULATION: 257*

MEDIAN HOUSEHOLD INCOME (MHI): \$26,458*

Project(s)

Cost Estimate (millions)

Project Type / SFY 2005 PPL Listed - Rank

--- Current ---

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|---|--------------------------------------|--|---------------------------------------|
| Rehabilitation Ponds | 0.24 | Wastewater Treatment Facilities Project | |
| Rehab Wastewater Treatment - Maintenance Plan | 0.252 | SFY 2006 PPL Treatment Facilities Project / Rank: 79 | |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 0.492 | \$37,823 | \$274.52 | 1.038% |

Overall cost of projects identified as of January 1, 2006 by the community of Lake Lillian as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.492 (million)

| | | | | |
|---|--------------------------------------|--|--|--|
| Lake Shore | COUNTY: Cass | POPULATION: 966 * | MEDIAN HOUSEHOLD INCOME (MHI): \$51,500 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- 5 - 10 yr. ---</i> | | | | |
| City of Lake Shore 2008 Sanitary Sewer Extensions | | 1.3 | Sewer System Project | |
| South Drainfield Modification / New Facility | | 1 | Wastewater Treatment Facilities Project | |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI | |
| 2.3 | \$176,815 | \$364.98 | 0.709% | |

Overall cost of projects identified as of January 1, 2006 by the community of Lake Shore as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2.3 (million)

| | | | | |
|-------------------------------------|----------------|---------------------------------|--|--|
| Lakeville | COUNTY: Dakota | POPULATION: 43,128 * | MEDIAN HOUSEHOLD INCOME (MHI): \$72,404 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Lift Stations 9 and 10 rehab. | | 0.085 | Sewer System Project | |
| 2005 Infiltration Inflow Mitigation | | 1.06 | Sewer System Project | |
| 2006 Infiltration Inflow Mitigation | | 0.5 | Sewer System Project | |
| South Creek Ext. of Sanitary Sewer | | 1.06 | Sewer System Project | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|---|---|---|--|
| 2004 Infiltration Inflow Mitigation | 0.044 | | Sewer System Project |
| 2007 Infiltration Inflow Mitigation | 0.5 | | Sewer System Project |
| 2008 Infiltration Inflow Mitigation | 0.5 | | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 3.749 | \$288,208 | \$19.06 | 0.026% |
| <i>--- 5 - 10 yr. ---</i> | | | |
| Lift Stations 1,3,4,5, and 20 rehab. | 0.169 | | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.169 | \$12,992 | \$0.86 | 0.001% |
| <i>--- 10 - 20 yr. ---</i> | | | |
| Lift Stations: 21,7,22,6,12,13,17,18,19,8 Rehab. | 0.196 | | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.196 | \$15,068 | \$1.00 | 0.001% |

Overall cost of projects identified as of January 1, 2006 by the community of Lakeville

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs \$4.114 (million)

**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Lakeville

| | | | |
|---|---|---|---|
| Lamberton | COUNTY: Redwood | POPULATION: 859* | MEDIAN HOUSEHOLD INCOME (MHI): \$28,603* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| 2003 Street and Utility Replacement | | 0.825 | Sewer System Project |
| 2003 Street and Utility Replacement | | 2.458 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 3.283 | \$252,384 | \$579.45 | 2.026% |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

Overall cost of projects identified as of January 1, 2006 by the community of Lamberton as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 3.283 (million)

| | | | |
|--|--------------------------------------|--|--|
| Le Center | COUNTY: Le Sueur | POPULATION: 2,240* | MEDIAN HOUSEHOLD INCOME (MHI): \$38,690* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Wastewater Treatment Facility Improvements | | 1.5 | Wastewater Treatment Facilities Project |
| Sanitary Sewer Improvements | | 1.3 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 2.8 | \$215,253 | \$231.18 | 0.598% |

Overall cost of projects identified as of January 1, 2006 by the community of Le Center as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2.8 (million)

| | | | |
|--|--------------------------------------|--|--|
| Le Sueur | COUNTY: Le Sueur | POPULATION: 3,922* | MEDIAN HOUSEHOLD INCOME (MHI): \$42,372* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| New treatment plant | | 10 | Wastewater Treatment Facilities Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 10 | \$768,760 | \$447.82 | 1.057% |

Overall cost of projects identified as of January 1, 2006 by the community of Le Sueur as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 10 (million)

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| Lester Prairie | COUNTY: McLeod | POPULATION: 1,377 * | MEDIAN HOUSEHOLD INCOME (MHI): \$44,271 * | |
|--|--------------------------------------|--|---|--|
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Wastewater Treatment Facility Expansion | | 3.6 | SFY 2006 PPL Treatment Facilities Project / Rank: 6 | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 3.6 | \$276,754 | \$482.71 | 1.090% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Lester Prairie as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 3.6 (million)</i> | | | | |
| <hr/> | | | | |
| Lewiston | COUNTY: Winona | POPULATION: 1,484 * | MEDIAN HOUSEHOLD INCOME (MHI): \$43,220 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Expansion to meet MPCA reliability Issues | | 0.707 | Wastewater Treatment Facilities Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 0.707 | \$54,351 | \$90.92 | 0.210% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Lewiston as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs0.707 (million)</i> | | | | |
| <hr/> | | | | |
| Lewisville | COUNTY: Watonwan | POPULATION: 274 * | MEDIAN HOUSEHOLD INCOME (MHI): \$29,432 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- 5 - 10 yr. ---</i> | | | | |
| Sewer System Improvements | | 0.25 | SFY 2006 PPL Sewer System Project / Rank: 20 | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.25 | \$19,219 | \$153.07 | 0.520% |

--- 10 - 20 yr. ---

Treatment Facility Maintenance 0.06 SFY 2006 PPL Treatment Facilities Project / Rank: 20

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.06 | \$4,613 | \$36.74 | 0.125% |

Overall cost of projects identified as of January 1, 2006 by the community of Lewisville as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.31 (million)

| | | | |
|-------------------|--------------------|---------------------------------|--|
| Lino Lakes | **** COUNTY: Anoka | POPULATION: 16,791 * | MEDIAN HOUSEHOLD INCOME (MHI): \$75,708 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |

--- Current ---

Shenendoah Estates 0.3 Sewer System Project

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.3 | \$23,063 | \$4.27 | 0.006% |

Overall cost of projects identified as of January 1, 2006 by the community of Lino Lakes as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.3 (million)

**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Lino Lakes

| | | | |
|-------------------|---------------------|---------------------------------|--|
| Littlefork | COUNTY: Koochiching | POPULATION: 680 * | MEDIAN HOUSEHOLD INCOME (MHI): \$37,917 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |

--- Current ---

Sewer pond dredging line and lift station replacement 0.125 Sewer System Project

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.125 | \$9,610 | \$32.27 | 0.085% |

Overall cost of projects identified as of January 1, 2006 by the community of Littlefork as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.125 (million)

| | | | |
|--|--------------------------------------|--|--|
| Lonsdale | COUNTY: Rice | POPULATION: 1,491 * | MEDIAN HOUSEHOLD INCOME (MHI): \$50,054 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Rehab/expand existing system | | 5.7 | Wastewater Treatment Facilities Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 5.7 | \$438,193 | \$704.24 | 1.407% |

Overall cost of projects identified as of January 1, 2006 by the community of Lonsdale as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 5.7 (million)

| | | | |
|--|--------------------------------------|--|--|
| Lowry | COUNTY: Pope | POPULATION: 271 * | MEDIAN HOUSEHOLD INCOME (MHI): \$31,591 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Collection System Replacement | | 3 | Sewer System Project |
| Pond Updates | | 1.5 | Wastewater Treatment Facilities Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 4.5 | \$345,942 | \$2,830.43 | 8.960% |

Overall cost of projects identified as of January 1, 2006 by the community of Lowry as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 4.5 (million)

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| Luverne | COUNTY: Rock | POPULATION: 4,617* | MEDIAN HOUSEHOLD INCOME (MHI): \$36,271* | |
|---|--------------------------------------|--|--|--|
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Second Oxidation Ditch | | 1.775 | Wastewater Treatment Facilities Project | |
| Phosphorus removal | | 0.433 | Wastewater Treatment Facilities Project | |
| Second Digester | | 1 | Wastewater Treatment Facilities Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 3.208 | \$246,618 | \$112.78 | 0.311% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Luverne as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 3.208 (million)</i> | | | | |

| Mabel | COUNTY: Fillmore | POPULATION: 766* | MEDIAN HOUSEHOLD INCOME (MHI): \$27,228* | |
|--|--------------------------------------|--|--|--|
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Rehab existing system | | 1.57 | | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 1.57 | \$120,695 | \$322.33 | 1.184% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Mabel as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.57 (million)</i> | | | | |

| Madelia | COUNTY: Watonwan | POPULATION: 2,340* | MEDIAN HOUSEHOLD INCOME (MHI): \$34,219* | |
|------------------------|-------------------------|---------------------------------|--|--|
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| Madelia Phase 1 WWTF Improvements | 0.95 | | |
| Wastewater Treatment Facility Improvements | 2.8 | | |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 3.75 | \$288,285 | \$284.80 | 0.832% |

Overall cost of projects identified as of January 1, 2006 by the community of Madelia as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 3.75 (million)

| | | | |
|--|--------------------------------------|--|--|
| Madison | COUNTY: Lac qui Parle | POPULATION: 1,768 * | MEDIAN HOUSEHOLD INCOME (MHI): \$27,102 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| VFD Variable Drive Replacement | | 0.035 | Wastewater Treatment Facilities Project |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 0.035 | \$2,691 | \$3.07 | 0.011% |

Overall cost of projects identified as of January 1, 2006 by the community of Madison as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs0.035 (million)

| | | | |
|--|--------------------------------------|--|--|
| Madison Lake | COUNTY: Blue Earth | POPULATION: 837 * | MEDIAN HOUSEHOLD INCOME (MHI): \$44,659 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- 5 - 10 yr. ---</i> | | | |
| Project cleanup | | 5 | Sewer System Project |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 5 | \$384,380 | \$1,084.46 | 2.428% |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

Overall cost of projects identified as of January 1, 2006 by the community of Madison Lake as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 5 (million)

| | | | |
|---|--------------------------------------|--|--|
| Mahnomen | COUNTY: Mahnomen | POPULATION: 1,202* | MEDIAN HOUSEHOLD INCOME (MHI): \$26,000* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Main Pump Station and Forcemain No. 2; Interceptor to | | 0.789 | SFY 2006 PPL Sewer System Project / Rank: 210 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.789 | \$60,655 | \$102.61 | 0.395% |

Overall cost of projects identified as of January 1, 2006 by the community of Mahnomen as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs0.789 (million)

| | | | |
|--|--------------------------------------|--|--|
| Manchester | COUNTY: Freeborn | POPULATION: 81* | MEDIAN HOUSEHOLD INCOME (MHI): \$26,786* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Manchester | | 0.84 | SFY 2006 PPL Unsewered Area Project / Rank:11 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.84 | \$64,576 | \$1,816.20 | 6.780% |

Overall cost of projects identified as of January 1, 2006 by the community of Manchester as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs0.84 (million)

| | | | |
|-------------------|---------------------------|---------------------------------|--|
| Mankato | COUNTY: Blue Earth | POPULATION: 32,427* | MEDIAN HOUSEHOLD INCOME (MHI): \$33,956* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

--- Current ---

| | | | |
|--|--------------------------------------|---|---------------------------------------|
| rehab of primary and secondary clarifiers and construction | 4 | Wastewater Treatment Facilities Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 4 | \$307,504 | \$22.38 | 0.066% |

Overall cost of projects identified as of January 1, 2006 by the community of Mankato as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 4 (million)

| | | | |
|-------------------|-----------------------|---------------------------------|--|
| Maple Lake | COUNTY: Wright | POPULATION: 1,633 * | MEDIAN HOUSEHOLD INCOME (MHI): \$43,047 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |

--- Current ---

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| Sewer System Improvements | 0.395 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.395 | \$30,366 | \$44.01 | 0.102% |

--- 10 - 20 yr. ---

| | | | |
|--|--------------------------------------|---|---------------------------------------|
| Maple Lake/Annandale Wastewater Facility | 9.3 | Wastewater Treatment Facilities Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 9.3 | \$714,947 | \$1,036.15 | 2.407% |

Overall cost of projects identified as of January 1, 2006 by the community of Maple Lake as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 9.695 (million)

| | | | |
|-------------------|-----------------------|---------------------------------|--|
| Maplewood | COUNTY: Ramsey | POPULATION: 34,947 * | MEDIAN HOUSEHOLD INCOME (MHI): \$51,596 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |

--- Current ---

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | |
|--|-------|----------------------|
| 2010 Rehabilitation of Kohlmad and Hills/Dales Area Se | 0.487 | Sewer System Project |
| 2007 Rehabilitation of De Soto-Saulmad Area | 0.584 | Sewer System Project |
| 2009 Rehabilitation | 0.56 | Sewer System Project |
| 2006 Rehabilitation of K8010000, Gervais | 0.58 | Sewer System Project |
| 2008 Rehabilitation of beam | 0.422 | Sewer System Project |

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 2.633 | \$202,415 | \$13.24 | 0.026% |

Overall cost of projects identified as of January 1, 2006 by the community of Maplewood

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2.633 (million)

*** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Maplewood

Marshall

COUNTY: Lyon

POPULATION: 12,778 *

MEDIAN HOUSEHOLD INCOME (MHI): \$37,950 *

Project(s)

Cost Estimate (millions)

Project Type / SFY 2005 PPL Listed - Rank

--- Current ---

| | | |
|--|------|---|
| Digester Cover Replacement | 3.5 | Wastewater Treatment Facilities Project |
| North 3rd Sewer Replacement | 0.06 | Sewer System Project |
| Hill - Marshall Sanitary Sewer Replacement | 0.3 | Sewer System Project |
| Sanitary Sewer Replacement - Ongoing | 0.3 | Sewer System Project |

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 4.16 | \$319,804 | \$58.11 | 0.153% |

--- 5 - 10 yr. ---

| | | |
|----------------------|---|---|
| E Q Basin Rehab. | 2 | Wastewater Treatment Facilities Project |
| Phosphorus Treatment | 2 | Wastewater Treatment Facilities Project |

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 4 | \$307,504 | \$55.88 | 0.147% |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

Overall cost of projects identified as of January 1, 2006 by the community of Marshall as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 8.16 (million)

| | | | | | | |
|--|------|--------------------------------------|---------------------------------|--|--|---|
| Mayer | **** | COUNTY: Carver | POPULATION: 404 | * | MEDIAN HOUSEHOLD INCOME (MHI): \$48,125 | * |
| <i>Project(s)</i> | | | <i>Cost Estimate (millions)</i> | | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | | | |
| Sanitary Sewer Rehabilitation | | | 0.03 | | Sewer System Project | |
| Ridge Road Reconstruction | | | 0.5 | | Sewer System Project | |
| 7th Street Reconstruction | | | 0.75 | | Sewer System Project | |
| Wastewater Treatment Plant Expansion | | | 2.6 | | Wastewater Treatment Facilities Project | |
| Subtotal of Cost Estimates (millions) | | Project Annual Debt Service** | | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI | |
| 3.88 | | \$298,279 | | \$1,475.01 | 3.065% | |
| <i>--- 5 - 10 yr. ---</i> | | | | | | |
| Sludge Storage and WWTP Expansion | | | 0.6 | | Wastewater Treatment Facilities Project | |
| Subtotal of Cost Estimates (millions) | | Project Annual Debt Service** | | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI | |
| 0.6 | | \$46,126 | | \$228.09 | 0.474% | |

Overall cost of projects identified as of January 1, 2006 by the community of Mayer as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 4.48 (million)

**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Mayer

| | | | | | | |
|---|--|----------------------------|---------------------------------|---|--|---|
| MCES - Metro Council E | | COUNTY: Metro Count | POPULATION: 1 | * | MEDIAN HOUSEHOLD INCOME (MHI): \$1 | * |
| <i>Project(s)</i> | | | <i>Cost Estimate (millions)</i> | | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | | | |
| Systemwide Improvements (Metering, Odor Control, Secu | | | 16 | | Sewer System Project | |
| Northeast Interceptor System Improvements | | | 52 | | Sewer System Project | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | |
|---|------|---|
| Systemwide Improvements (Metering, Odor Control, Secu | 4 | Sewer System Project |
| MWWTP Liquid Waste Discharge Site | 2.8 | Wastewater Treatment Facilities Project |
| Hopkins System Improvements | 18.3 | Sewer System Project |
| Hopkins LS/FM Improvements | 2.5 | Sewer System Project |
| Facility Reconveyance Program | 2.5 | Sewer System Project |
| Elm Creek Interceptor | 25 | Sewer System Project |
| East Maintenance Base | 1.3 | Sewer System Project |
| Dayton-Champlin Interceptor | 10 | Sewer System Project |
| Coon Rapids LS Relocation | 3 | Sewer System Project |
| Chaska Lift Station | 9 | Sewer System Project |
| Chaska West Interceptor | 16 | Sewer System Project |
| Burnsville Interceptor Rehabilitation | 2.4 | Sewer System Project |
| Brooklyn Park Interceptor and LS Rehab | 9 | Sewer System Project |
| Plymouth Forcemain Improvements | 4.9 | Sewer System Project |
| MWWTP Liquid Treatment | 5.6 | Wastewater Treatment Facilities Project |
| Interceptor Lining Program | 10 | Sewer System Project |
| Blue Lake System Improvements | 47 | Sewer System Project |
| Bloomington-Edina-Richfield Area Improve | 1 | Sewer System Project |
| Blaine Relief Interceptor | 8 | Sewer System Project |
| Anoka (L-42) Lift Station and Forcemain | 7 | Sewer System Project |
| Seneca Disinfection & Phosphorus | 25.6 | Wastewater Treatment Facilities Project |
| Blue Lake Plant Improvements | 101 | Wastewater Treatment Facilities Project |
| St. Croix Valley Headworks & Disinfection | 0.5 | Wastewater Treatment Facilities Project |
| Hastings WWTP | 43.5 | Wastewater Treatment Facilities Project |
| Empire Service Area Capacity | 62 | Wastewater Treatment Facilities Project |
| MWWTP Process Equipment Replacement | 15 | Wastewater Treatment Facilities Project |
| MWWTP Solids Processing Facilities | 22.5 | Wastewater Treatment Facilities Project |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

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Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | |
|--|------|---|
| MWWTP F&I No. 1 Demolition | 1.18 | Wastewater Treatment Facilities Project |
| New Brighton Interceptor Relocation | 3 | Sewer System Project |
| St Louis Park Interceptor Rehabilitation | 1.8 | Sewer System Project |
| St Paul Battle Creek Interceptor | 9.1 | Sewer System Project |
| South Washington County Interceptor | 18 | Sewer System Project |
| South St. Paul LS/FM Improvements | 37 | Sewer System Project |
| Shakopee Interceptor Improvements | 10 | Sewer System Project |
| Septage Management | 4.5 | Sewer System Project |
| Rosemount Interceptor | 22.5 | Sewer System Project |
| Riverview Siphon (SP-230) | 9 | Sewer System Project |
| Regional Maintenance Facility Improvements | 0.7 | Sewer System Project |
| Regulator System Improvements | 1.6 | Sewer System Project |
| Plymouth/New Hope/Golden Valley Improve | 1 | Sewer System Project |
| Interceptor 1-VH-422 Improvements | 5.3 | Sewer System Project |
| Trout Brook Interceptor | 4.2 | Sewer System Project |
| Interceptor 7073 Improvements | 1.2 | Sewer System Project |
| Mpls/St Paul Interceptor Improvements | 6.8 | Sewer System Project |
| Mpls Interceptor 1-MN-320 Improvements | 2.5 | Sewer System Project |
| Mpls Interceptor 1-MN-303 Improvements | 2.8 | Sewer System Project |
| Meter Improvements | 10 | Sewer System Project |
| Maple Plain Forcemain Relocation | 2.9 | Sewer System Project |
| LS Supervisory Control & Field Telemetry | 2 | Sewer System Project |
| Lift Station Rehabilitation (L10,13,15,30,31,35) | 18.5 | Sewer System Project |
| Lift Station L-12 Improvements | 3.4 | Sewer System Project |
| Lift Station L-11 Improvements | 2 | Sewer System Project |
| Interceptor System Standby Power Improve | 7.3 | Sewer System Project |
| Interceptor Rehabilitation Program | 10 | Sewer System Project |

* Pop. and MHI from 2000 Census.
Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2 WINS 2005 2-1-06 version 1

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|---|---|--|
| MWWTP Utility Systems Replacement | 8 | Wastewater Treatment Facilities Project | |
| Northwest Interceptor System Improvements | 31 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 764.68 | \$58,785,540 | | |
| <i>--- 5 - 10 yr. ---</i> | | | |
| Brooklyn Park LS and Tunnel | 50 | Sewer System Project | |
| MWWTP Process Equipment Replacement | 55 | Wastewater Treatment Facilities Project | |
| MWWTP Utility Systems Replacement | 22 | Wastewater Treatment Facilities Project | |
| Hastings WWTP | 1 | Wastewater Treatment Facilities Project | |
| St. Croix Valley Headworks & Disinfection | 2.5 | Wastewater Treatment Facilities Project | |
| Blue Lake Plant Improvements | 95 | Wastewater Treatment Facilities Project | |
| Seneca Plant Solids Processing Improve. | 80 | Wastewater Treatment Facilities Project | |
| Bloomington-Edina-Richfield Area Improve | 9 | Sewer System Project | |
| Blue Lake System Improvements | 140.2 | Sewer System Project | |
| Coon Rapids LS Relocation | 11 | Sewer System Project | |
| Crystal Interceptor System | 10 | Sewer System Project | |
| Facility Reconveyance Program | 2.5 | Sewer System Project | |
| Hopkins System Improvements | 23 | Sewer System Project | |
| Interceptor Lining Program | 10 | Sewer System Project | |
| Interceptor Rehabilitation Program | 10 | Sewer System Project | |
| Roseville Interceptor Rehabilitation | 32 | Sewer System Project | |
| Rural Area Improvements (e.g., Elko-New Market Interce | 73.8 | Sewer System Project | |
| Lift Station Rehabilitation (L10,13,15,30,31,35) | 5.5 | Sewer System Project | |
| Rural Area Improvements (e.g., Elko-New Market Interce | 16 | Sewer System Project | |
| South Washington County Interceptor | 8 | Sewer System Project | |
| Plymouth/New Hope/Golden Valley Improve | 61 | Sewer System Project | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2 WINS 2005 2-1-06 version 1

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | |
|---|-------|----------------------|
| Northwest Interceptor System Improvements | 185 | Sewer System Project |
| Mpls/St Paul Interceptor Improvements | 48 | Sewer System Project |
| Northeast Interceptor System Improvements | 159.9 | Sewer System Project |

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1110.4 | \$85,363,110 | | |

Overall cost of projects identified as of January 1, 2006 by the community of MCES - Metro Council Env. Services as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1875.1 (million)

| | | | | |
|---|--------------------------------------|--|--|--|
| Meadowlands | COUNTY: St. Louis | POPULATION: 111* | MEDIAN HOUSEHOLD INCOME (MHI): \$20,625* | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| --- Current --- | | | | |
| Sewer extension on East CSAH 29 (Spruce Street) | | 0.25 | SFY 2006 PPL Sewer System Project / Rank: 212 | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 0.25 | \$19,219 | \$326.36 | 1.582% | |

Overall cost of projects identified as of January 1, 2006 by the community of Meadowlands as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.25 (million)

| | | | | |
|--|--------------------------------------|--|---|--|
| Medford | COUNTY: Steele | POPULATION: 984* | MEDIAN HOUSEHOLD INCOME (MHI): \$50,000* | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| --- Current --- | | | | |
| Rehab/expand existing system | | 4.56 | SFY 2006 PPL Treatment Facilities Project / Rank: 140 | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 4.56 | \$350,555 | \$836.87 | 1.674% | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

Overall cost of projects identified as of January 1, 2006 by the community of Medford

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 4.56 (million)

Medicine Lake

COUNTY: Hennepin

POPULATION: 368*

MEDIAN HOUSEHOLD INCOME (MHI): \$70,750*

Project(s)

Cost Estimate (millions)

Project Type / SFY 2005 PPL Listed - Rank

--- Current ---

Update of Lift Station

0.05

Sewer System Project

Subtotal of Cost Estimates (millions)

*Project Annual Debt Service***

*Annual 20 yr. Household Cost****

Annual Household Cost as % MHI

0.05

\$3,844

\$21.76

0.031%

Overall cost of projects identified as of January 1, 2006 by the community of Medicine Lake

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.05 (million)

**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Medicine Lake

Melrose

COUNTY: Stearns

POPULATION: 3,091*

MEDIAN HOUSEHOLD INCOME (MHI): \$34,432*

Project(s)

Cost Estimate (millions)

Project Type / SFY 2005 PPL Listed - Rank

--- Current ---

2004 Capital Improvements - Industrial Park Extension

0.4

Sewer System Project

Subtotal of Cost Estimates (millions)

*Project Annual Debt Service***

*Annual 20 yr. Household Cost****

Annual Household Cost as % MHI

0.4

\$30,750

\$23.92

0.069%

Overall cost of projects identified as of January 1, 2006 by the community of Melrose

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.4 (million)

Menahga

COUNTY: Wadena

POPULATION: 1,220*

MEDIAN HOUSEHOLD INCOME (MHI): \$22,232*

Project(s)

Cost Estimate (millions)

Project Type / SFY 2005 PPL Listed - Rank

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

--- Current ---

| | | | |
|--|--------------------------------------|--|--|
| Menahga Wastewater Treatment Facility | 1.05 | | SFY 2006 PPL Treatment Facilities Project / Rank: 80 |
| Menahga Wastewater Treatment Facility | 0.22 | | SFY 2006 PPL Sewer System Project / Rank: 80 |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 1.27 | \$97,633 | \$178.96 | 0.805% |

Overall cost of projects identified as of January 1, 2006 by the community of Menahga as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.27 (million)

| | | | |
|-------------------|---------------------|---------------------------------|--|
| Mentor | COUNTY: Polk | POPULATION: 150* | MEDIAN HOUSEHOLD INCOME (MHI): \$21,705* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |

--- Current ---

| | | | |
|--|--------------------------------------|--|---|
| Unsewered Collection and Treatment | 1.85 | | SFY 2006 PPL Unsewered Area Project / Rank2 |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 1.85 | \$142,221 | \$1,560.96 | 7.192% |

Overall cost of projects identified as of January 1, 2006 by the community of Mentor as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.85 (million)

| | | | |
|-------------------|------------------------|---------------------------------|--|
| Miltona | COUNTY: Douglas | POPULATION: 279* | MEDIAN HOUSEHOLD INCOME (MHI): \$28,333* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |

--- Current ---

| | | | |
|---|-------|--|---|
| Pond Expansion and Sewer Rehabilitation | 1.52 | | SFY 2006 PPL Sewer System Project / Rank: 213 |
| Miltona Wastewater Treatment Facility Expansion | 1.045 | | Wastewater Treatment Facilities Project |
| Collection System Rehabilitation | 0.693 | | Sewer System Project |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 3.258 | \$250,462 | \$1,926.63 | 6.800% |

Overall cost of projects identified as of January 1, 2006 by the community of Miliona as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 3.258 (million)

| | | | |
|--|--------------------------------------|--|--|
| Minneapolis | COUNTY: Hennepin | POPULATION: 82,618* | MEDIAN HOUSEHOLD INCOME (MHI): \$37,974* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Minneapolis Capital Improvement Plan | | 12.1 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 12.1 | \$930,200 | \$5.16 | 0.014% |

Overall cost of projects identified as of January 1, 2006 by the community of Minneapolis as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 12.1 (million)

**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Minneapolis

| | | | |
|--|--------------------------------------|--|--|
| Montgomery | COUNTY: Le Sueur | POPULATION: 2,794* | MEDIAN HOUSEHOLD INCOME (MHI): \$34,145* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Boulevard Water and Sewer Rehab Project | | 1 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1 | \$76,876 | \$62.61 | 0.183% |

Overall cost of projects identified as of January 1, 2006 by the community of Montgomery as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1 (million)

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | | |
|---|---|---|--|--|
| Monticello | COUNTY: Wright | POPULATION: 7,868 * | MEDIAN HOUSEHOLD INCOME (MHI): \$45,384 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| --- Current --- | | | | |
| Meadow Oak Lift Station Rehabilitation and Force Main | | 0.6 | Sewer System Project | |
| Southeast Interceptor (WWTP to Reservoir Lift Station) | | 2.7 | Sewer System Project | |
| Southwest Lift Station and Force Main | | 0.4 | Sewer System Project | |
| River Street Sanitary Sewer Replacement | | 1 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 4.7 | \$361,317 | \$110.46 | 0.243% | |
| --- 5 - 10 yr. --- | | | | |
| Replacement of Class A Biosolids System vs. Purchase of | | 2.25 | Wastewater Treatment Facilities Project | |
| Southeast Interceptor (Reservoir Lift Station to South City) | | 2.5 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 4.75 | \$365,161 | \$111.63 | 0.246% | |
| Overall cost of projects identified as of January 1, 2006 by the community of Monticello as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 9.45 (million) | | | | |

| | | | | |
|---|---|---|--|--|
| Montrose | COUNTY: Wright | POPULATION: 1,143 * | MEDIAN HOUSEHOLD INCOME (MHI): \$39,583 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| --- Current --- | | | | |
| TH 25 Improvements | | 2.5 | Sewer System Project | |
| Sanitary Sewer Lining project | | 0.4 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 2.9 | \$222,940 | \$441.95 | 1.117% | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

Overall cost of projects identified as of January 1, 2006 by the community of Montrose

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2.9 (million)

| Moorhead | COUNTY: Clay | POPULATION: 32,177* | MEDIAN HOUSEHOLD INCOME (MHI): \$34,781* | |
|---|---|---|--|--|
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Sanitary Lift Stations Rehab and Expansion: # 7, #18 | | 2.26 | Sewer System Project | |
| Sanitary Lift Stations Rehab and Expansion: # 6, #17, #20 | | 0.45 | Sewer System Project | |
| WWTP: Plant HVAC System Improvements | | 0.512 | Wastewater Treatment Facilities Project | |
| WWTP: Anaerobic digester Improvements | | 1.72 | Wastewater Treatment Facilities Project | |
| WWTP: Headworks: Rehab and Flow Equalization Basin | | 6.605 | Wastewater Treatment Facilities Project | |
| WWTP: WAS Sludge Thickening Improv | | 1.184 | Wastewater Treatment Facilities Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 12.731 | \$978,708 | \$75.54 | 0.217% | |
| <i>--- 5 - 10 yr. ---</i> | | | | |
| WWTP: Plant Flushing Water System | | 0.507 | Wastewater Treatment Facilities Project | |
| WWTP: RAS Pump VFD Improvements | | 0.142 | Wastewater Treatment Facilities Project | |
| WWTP: WAS Magnetic Flow Meter/Valve Improv. | | 0.091 | Wastewater Treatment Facilities Project | |
| WWTP: Final Clarifier Sludge System Improv. | | 1.136 | Wastewater Treatment Facilities Project | |
| WWTP: Disinfection System Improv | | 0.71 | Wastewater Treatment Facilities Project | |
| WWTP: Plant Boiler Improv | | 0.284 | Wastewater Treatment Facilities Project | |
| WWTP: Water System Improv. | | 0.507 | Wastewater Treatment Facilities Project | |
| WWTP: Oxygen System Pneumatic /Electric Controls | | 0.213 | Wastewater Treatment Facilities Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 3.59 | \$275,985 | \$21.30 | 0.061% | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

--- 10 - 20 yr. ---

| | | |
|---|-------|---|
| WWTP:Primary Clarifier Drive | 0.571 | Wastewater Treatment Facilities Project |
| WWTP: Vertical Turbine Pump Improv | 0.272 | Wastewater Treatment Facilities Project |
| WWTP:Sludge Storage Pump and Control Improv | 0.307 | Wastewater Treatment Facilities Project |
| WWTP: LOX storage tank improv | 0.178 | Wastewater Treatment Facilities Project |
| WWTP:Oxygen System Instrumentation | 0.143 | Wastewater Treatment Facilities Project |
| WWTP: RAS Pump Valve Improvements | 0.143 | Wastewater Treatment Facilities Project |
| WWTP: Plant Air Compress Improv | 0.51 | Wastewater Treatment Facilities Project |
| WWTP: Bar Screen Improv | 0.473 | Wastewater Treatment Facilities Project |
| WWTP: Bar Screen Conveyor Improv | 0.229 | Wastewater Treatment Facilities Project |
| WWTP: Aeration Mixer Improvements | 0.86 | Wastewater Treatment Facilities Project |
| Sanitary Lift Stations Rehab and Expansion: # 19, #13 | 0.27 | Sewer System Project |
| WWTP: Screw pump Improv | 0.602 | Wastewater Treatment Facilities Project |
| WWTP: Digest Sludge Transfer Pump Improv | 0.215 | Wastewater Treatment Facilities Project |

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 4.773 | \$366,929 | \$28.32 | 0.081% |

Overall cost of projects identified as of January 1, 2006 by the community of Moorhead

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 21.094 (million)

| | | | |
|--|--------------------------------------|--|--|
| Mora | COUNTY: Kanabec | POPULATION: 3,193 * | MEDIAN HOUSEHOLD INCOME (MHI): \$30,566 * |
| Project(s) | | Cost Estimate (millions) | Project Type / SFY 2005 PPL Listed - Rank |
| --- Current --- | | | |
| I&I correction of manholes | | 0.3 | Sewer System Project |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 0.3 | \$23,063 | \$15.03 | 0.049% |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

--- 5 - 10 yr. ---

| | | | |
|--|--------------------------------------|--|---|
| Improve Screen Room | 0.25 | | Wastewater Treatment Facilities Project |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 0.25 | \$19,219 | \$12.53 | 0.041% |

--- 10 - 20 yr. ---

| | | | |
|--|--------------------------------------|--|---|
| Expand Sludge Storage | 0.25 | | Wastewater Treatment Facilities Project |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 0.25 | \$19,219 | \$12.53 | 0.041% |

Overall cost of projects identified as of January 1, 2006 by the community of Mora as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.8 (million)

| | | | | |
|--|--------------------------------------|--|---|--|
| Morgan | COUNTY: Redwood | POPULATION: 903* | MEDIAN HOUSEHOLD INCOME (MHI): \$30,673* | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| --- Current --- | | | | |
| 3rd Street Project | | 0.15 | SFY 2006 PPL Sewer System Project / Rank: 170 | |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI | |
| 0.15 | \$11,531 | \$27.53 | 0.090% | |
| --- 5 - 10 yr. --- | | | | |
| Bar Screen Replacement | | 0.005 | SFY 2006 PPL Treatment Facilities Project / Rank: 170 | |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI | |
| 0.005 | \$384 | \$0.92 | 0.003% | |

Overall cost of projects identified as of January 1, 2006 by the community of Morgan as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs0155 (million)

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| Morris | COUNTY: Stevens | POPULATION: 5,068 * | MEDIAN HOUSEHOLD INCOME (MHI): \$31,786 * | |
|--|--------------------------------------|--|--|--|
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| West 6th St Rehabilitation | | 0.212 | Sewer System Project | |
| Collega Ave Sewer Rehabilitation | | 0.046 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 0.258 | \$19,834 | \$9.25 | 0.029% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Morris as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.258 (million)</i> | | | | |
| <hr/> | | | | |
| Mountain Iron | COUNTY: St. Louis | POPULATION: 2,999 * | MEDIAN HOUSEHOLD INCOME (MHI): \$35,163 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Rehab existing treatment plant | | 0.53 | SFY 2006 PPL Treatment Facilities Project / Rank: 13 | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 0.53 | \$40,744 | \$27.65 | 0.079% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Mountain Iron as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.53 (million)</i> | | | | |
| <hr/> | | | | |
| Mountain Lake | COUNTY: Cottonwood | POPULATION: 2,082 * | MEDIAN HOUSEHOLD INCOME (MHI): \$29,146 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Rehabilitation of 9th Street - 7th St. and Mountain Lake R | | 0.123705 | Sewer System Project | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.123705 | \$9,510 | \$10.48 | 0.036% |

--- 5 - 10 yr. ---

Future Sewer Collection Replacement 0.12 Sewer System Project

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.12 | \$9,225 | \$10.16 | 0.035% |

Overall cost of projects identified as of January 1, 2006 by the community of Mountain Lake as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.2437 (million)

| | | | |
|-------------------|------------------|---------------------------------|--|
| Myrtle | COUNTY: Freeborn | POPULATION: 63* | MEDIAN HOUSEHOLD INCOME (MHI): \$23,125* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |

--- Current ---

Unsewered Collection and Treatment 0.65 SFY 2006 PPL Unsewered Area Project / Rank8

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.65 | \$49,969 | \$1,499.08 | 6.483% |

Overall cost of projects identified as of January 1, 2006 by the community of Myrtle as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.65 (million)

| | | | |
|-------------------|----------------|---------------------------------|--|
| Nashwauk | COUNTY: Itasca | POPULATION: 935* | MEDIAN HOUSEHOLD INCOME (MHI): \$26,146* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |

--- Current ---

Sewer extension, expand existing system 2.76 SFY 2006 PPL Sewer System Project / Rank: 159

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 2.76 | \$212,178 | \$440.00 | 1.683% |

Overall cost of projects identified as of January 1, 2006 by the community of Nashwauk as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2.76 (million)

| | | | |
|--|--------------------------------------|--|--|
| New Auburn | COUNTY: Sibley | POPULATION: 488 * | MEDIAN HOUSEHOLD INCOME (MHI): \$38,542 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | |
| Expand Spray Site | | 0.4 | Wastewater Treatment Facilities Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.4 | \$30,750 | \$163.76 | 0.425% |

Overall cost of projects identified as of January 1, 2006 by the community of New Auburn as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.4 (million)

| | | | |
|---|--------------------------------------|--|--|
| New Germany | COUNTY: Carver | POPULATION: 450 * | MEDIAN HOUSEHOLD INCOME (MHI): \$36,094 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | |
| Main Lift Station Replace & Forcemain Replace | | 0.5 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.5 | \$38,438 | \$3.99 | 0.011% |

Overall cost of projects identified as of January 1, 2006 by the community of New Germany as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.5 (million)

**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for New Germany

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | | |
|---|--------------------------------------|--|--|--|
| New Prague | COUNTY: Scott | POPULATION: 116* | MEDIAN HOUSEHOLD INCOME (MHI): \$41,750* | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| 2004 Capital Improvement Reconstruction Project | | 0.12 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 0.12 | \$9,225 | \$267.83 | 0.641% | |

Overall cost of projects identified as of January 1, 2006 by the community of New Prague as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.12 (million)

| | | | | |
|--|--------------------------------------|--|--|--|
| New Richland | COUNTY: Waseca | POPULATION: 1,359* | MEDIAN HOUSEHOLD INCOME (MHI): \$36,406* | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Replacement of 50 yr. old sewer main | | 0.175 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 0.175 | \$13,453 | \$2.20 | 0.006% | |
| <i>--- 5 - 10 yr. ---</i> | | | | |
| 3rd Street N.E. Lift Station Replacement | | 0.1 | Sewer System Project | |
| 3rd Street N.E. Lift Station Replacement | | 0.1 | Sewer System Project | |
| Phosphorus Removal | | 0.15 | Wastewater Treatment Facilities Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 0.35 | \$26,907 | \$4.41 | 0.012% | |

Overall cost of projects identified as of January 1, 2006 by the community of New Richland as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs0.525 (million)

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| Community Name | COUNTY: | POPULATION: | MEDIAN HOUSEHOLD INCOME (MHI): |
|---|--------------------------------------|--|--|
| New Ulm | Brown | 1,362 * | \$40,044 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| phosphoral removal | | 3 | Wastewater Treatment Facilities Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 3 | \$230,628 | \$1,297.28 | 3.240% |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of New Ulm as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 3 (million)</i> | | | |
| New York Mills | Otter Tail | 3,715 * | \$27,596 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Utility Rehabilitation - Tousley Avenue | | 0.75 | Sewer System Project |
| WWTP Improvements | | 4.4 | SFY 2006 PPL Treatment Facilities Project / Rank: 71 |
| North Broadway Utilities Rehab | | 0.6 | SFY 2006 PPL Sewer System Project / Rank: 71 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 5.75 | \$442,037 | \$280.56 | 1.017% |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of New York Mills as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 5.75 (million)</i> | | | |
| Nielsville | Polk | 91 * | \$27,750 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|---|---------------------------------------|
| Lagoon Rehab. | 0.37 | Wastewater Treatment Facilities Project | |
| Sewer Replacement | 0.36 | Sewer System Project | |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 0.73 | \$56,119 | \$1,262.69 | 4.550% |

Overall cost of projects identified as of January 1, 2006 by the community of Nielsville as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.73 (million)

| | | | |
|--|--------------------------------------|--|--|
| Nisswa | COUNTY: Crow Wing | POPULATION: 1,953 * | MEDIAN HOUSEHOLD INCOME (MHI): \$48,306 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- 10 - 20 yr. ---</i> | | | |
| Area #3, County Rd 18 Expansion | | 2.415 | Sewer System Project |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 2.415 | \$185,656 | \$204.02 | 0.422% |

Overall cost of projects identified as of January 1, 2006 by the community of Nisswa as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2.415 (million)

| | | | |
|--|--------------------------------------|--|--|
| North Branch | COUNTY: Chisago | POPULATION: 8,023 * | MEDIAN HOUSEHOLD INCOME (MHI): \$50,294 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| North Branch Rehab Project | | 11.5 | Wastewater Treatment Facilities Project |
| wastewater treatment plant effluent with recess system & c | | 0.715 | Wastewater Treatment Facilities Project |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 12.215 | \$939,040 | \$300.23 | 0.597% |
| <i>--- 10 - 20 yr. ---</i> | | | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|---|---------------------------------------|
| Wastewater Treatment Plant Phase II | 5 | Wastewater Treatment Facilities Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 5 | \$384,380 | \$122.89 | 0.244% |

Overall cost of projects identified as of January 1, 2006 by the community of North Branch as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 17.215 (million)

| | | | |
|---|--------------------------------------|--|--|
| North Koochiching Count | COUNTY: Koochiching | POPULATION: 1* | MEDIAN HOUSEHOLD INCOME (MHI): \$1* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| NKASD Wastewater Treatment Ponds Erosion Protection | | 0.156 | Wastewater Treatment Facilities Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.156 | \$11,993 | | |

Overall cost of projects identified as of January 1, 2006 by the community of North Koochiching County Area SD as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.156 (million)

| | | | |
|--|--------------------------------------|--|--|
| North Mankato | COUNTY: Nicollet | POPULATION: 3,883* | MEDIAN HOUSEHOLD INCOME (MHI): \$48,816* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Sewer Extensions and Replacement | | 3.7 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 3.7 | \$284,441 | \$196.92 | 0.403% |

Overall cost of projects identified as of January 1, 2006 by the community of North Mankato as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 3.7 (million)

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| North Shore - Duluth | COUNTY: St. Louis | POPULATION: 1* | MEDIAN HOUSEHOLD INCOME (MHI): \$1* |
|--|--------------------------------------|--|--|
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | |
| North Shore Phase 2 Connect Knife River to DNSSD | | 1.65 | Sewer System Project |
| North Shore Phase 2 Connect Knife River to DNSSD | | 1.65 | Sewer System Project |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 3.3 | \$253,691 | | |
| Overall cost of projects identified as of January 1, 2006 by the community of North Shore - Duluth as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 3.3 (million) | | | |

| Northfield | COUNTY: Rice | POPULATION: 11,798* | MEDIAN HOUSEHOLD INCOME (MHI): \$49,972* |
|-------------------------------------|---------------------|---------------------------------|--|
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | |
| Fairgaze Meadows | | 0.15 | Sewer System Project |
| 9th Street - Spring to T.H. 3 | | 1.2 | Sewer System Project |
| Winona and Cougar Streets | | 1.2 | Sewer System Project |
| T.H. 3 Trunk Sewer Expansion | | 1 | Sewer System Project |
| Hall Avenue | | 2 | Sewer System Project |
| Hills of Spring Creek 4th Phase | | 0.135 | Sewer System Project |
| Division and Woodley | | 0.5 | Sewer System Project |
| Linden Street: St. Olaf to Greewalk | | 0.435 | Sewer System Project |
| 1st Street: Madison to Linden | | 0.9 | Sewer System Project |
| 5th Street: Washington to Prairie | | 1.1 | Sewer System Project |
| Southbridge Addition | | 0.07 | Sewer System Project |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 8.69 | \$668,052 | \$126.74 | 0.254% |

Overall cost of projects identified as of January 1, 2006 by the community of Northfield as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 8.69 (million)

| | | | |
|--|--------------------------------------|--|--|
| Norwood Young America **** | COUNTY: Carver | POPULATION: 3,108 * | MEDIAN HOUSEHOLD INCOME (MHI): \$46,152 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Biosolids Storage Tank | | 0.8 | Wastewater Treatment Facilities Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.8 | \$61,501 | \$47.27 | 0.102% |

Overall cost of projects identified as of January 1, 2006 by the community of Norwood Young America as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.8 (million)

**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Norwood Young America

| | | | |
|--|--------------------------------------|--|--|
| Oak Grove **** | COUNTY: Anoka | POPULATION: 3,957 * | MEDIAN HOUSEHOLD INCOME (MHI): \$70,169 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| West Lake George | | 0.7 | Wastewater Treatment Facilities Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.7 | \$53,813 | \$31.70 | 0.045% |

Overall cost of projects identified as of January 1, 2006 by the community of Oak Grove as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.7 (million)

**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Oak Grove

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | | |
|--|------|--------------------------------------|--|--|
| Oak Park Heights | **** | COUNTY: Washington | POPULATION: 26,653 * | MEDIAN HOUSEHOLD INCOME (MHI): \$48,425 * |
| <i>Project(s)</i> | | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | | |
| Lift Station Controls Upgrade | | | 0.07 | Sewer System Project |
| Sunnyside Marina Infiltration | | | 0.005 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.075 | | \$5,766 | \$0.51 | 0.001% |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Oak Park Heights as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.075 (million)</i> | | | | |
| <i>**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Oak Park Heights</i> | | | | |
| Oakdale | **** | COUNTY: Washington | POPULATION: 6,903 * | MEDIAN HOUSEHOLD INCOME (MHI): \$56,299 * |
| <i>Project(s)</i> | | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- 5 - 10 yr. ---</i> | | | | |
| ABS Sewer Lining Program | | | 0.67 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.67 | | \$51,507 | \$21.07 | 0.037% |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Oakdale as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.67 (million)</i> | | | | |
| <i>**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Oakdale</i> | | | | |
| Ogilvie | | COUNTY: Kanabec | POPULATION: 474 * | MEDIAN HOUSEHOLD INCOME (MHI): \$27,292 * |
| <i>Project(s)</i> | | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- 5 - 10 yr. ---</i> | | | | |
| WWTF Improvements | | | 3.5 | Wastewater Treatment Facilities Project |
| * Pop. and MHI from 2000 Census. Value of "1" indicates missing data. | | | | |
| ** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods. | | | | |
| *** Per household residential share of 20 year debt service | | | | |

Appendix 2 WINS 2005 2-1-06 version 1

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 3.5 | \$269,066 | \$1,330.55 | 4.875% |

Overall cost of projects identified as of January 1, 2006 by the community of Ogilvie as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 3.5 (million)

| | | | | |
|--|--------------------------------------|--|--|--|
| Onamia | COUNTY: Mille Lacs | POPULATION: 847 * | MEDIAN HOUSEHOLD INCOME (MHI): \$21,250 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| rehabilitation of sewer mains | | 0.035 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 0.035 | \$2,691 | \$7.62 | 0.036% | |
| <i>--- 5 - 10 yr. ---</i> | | | | |
| Rehabilitation of Sewer Mains | | 0.35 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 0.35 | \$26,907 | \$76.15 | 0.358% | |

Overall cost of projects identified as of January 1, 2006 by the community of Onamia as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs0.385 (million)

| | | | | |
|------------------------------------|------------------|---------------------------------|--|--|
| Ormsby | COUNTY: Watonwan | POPULATION: 154 * | MEDIAN HOUSEHOLD INCOME (MHI): \$37,500 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Unsewered Collection and Treatment | | 0.8 | SFY 2006 PPL Unsewered Area Project / Rank25 | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.8 | \$61,501 | \$851.55 | 2.271% |

Overall cost of projects identified as of January 1, 2006 by the community of Ormsby as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.8 (million)

| | | | |
|--|--------------------------------------|--|--|
| Oronoco | COUNTY: Olmsted | POPULATION: 883 * | MEDIAN HOUSEHOLD INCOME (MHI): \$67,656 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Unsewered Collection and Treatment | | 8.88 | SFY 2006 PPL Unsewered Area Project / Rank85 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 8.88 | \$682,659 | \$1,834.01 | 2.711% |

Overall cost of projects identified as of January 1, 2006 by the community of Oronoco as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 8.88 (million)

| | | | |
|--|--------------------------------------|--|--|
| Ortonville | COUNTY: Big Stone | POPULATION: 2,158 * | MEDIAN HOUSEHOLD INCOME (MHI): \$30,614 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Sewer System Rehab and Extension | | 0.5 | SFY 2006 PPL Sewer System Project / Rank: 214 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.5 | \$38,438 | \$37.48 | 0.122% |

Overall cost of projects identified as of January 1, 2006 by the community of Ortonville as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.5 (million)

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| Osakis | COUNTY: Douglas | POPULATION: 1,567* | MEDIAN HOUSEHOLD INCOME (MHI): \$29,833* | |
|---|--------------------------------------|--|---|--|
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Inlarge Secondary Pond | | 2 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 2 | \$153,752 | \$209.34 | 0.702% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Osakis as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2 (million)</i> | | | | |
| <hr/> | | | | |
| Oslo | COUNTY: Marshall | POPULATION: 347* | MEDIAN HOUSEHOLD INCOME (MHI): \$34,375* | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Rehab/expand existing system | | 0.74 | SFY 2006 PPL Treatment Facilities Project / Rank: 147 | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 0.74 | \$56,888 | \$345.94 | 1.006% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Oslo as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.74 (million)</i> | | | | |
| <hr/> | | | | |
| Ostrander | COUNTY: Fillmore | POPULATION: 212* | MEDIAN HOUSEHOLD INCOME (MHI): \$41,875* | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- 5 - 10 yr. ---</i> | | | | |
| Collection System Rehabilitation | | 0.5 | SFY 2006 PPL Sewer System Project / Rank: 124 | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.5 | \$38,438 | \$345.94 | 0.826% |

Overall cost of projects identified as of January 1, 2006 by the community of Ostrander as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.5 (million)

| | | | |
|---|--------------------------------------|--|--|
| Otsego | COUNTY: Wright | POPULATION: 6,389 * | MEDIAN HOUSEHOLD INCOME (MHI): \$57,422 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| 12" & 16" Force Main | | 1.1 | Sewer System Project |
| Modifications to Lift Station No. 1 | | 0.075 | Sewer System Project |
| CSAH 42 Trunk Sewer | | 0.5 | Sewer System Project |
| Lift Station #4 and Force Mains | | 0.4 | Sewer System Project |
| Wastewater Treatment Plant Expansions - West WWTP | | 6 | Wastewater Treatment Facilities Project |
| Wastewater Treatment Plant Expansions - East WWTP | | 10 | Wastewater Treatment Facilities Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 18.075 | \$1,389,534 | \$606.49 | 1.056% |

Overall cost of projects identified as of January 1, 2006 by the community of Otsego as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 18.075 (million)

| | | | |
|---|--------------------|---------------------------------|--|
| Ottertail | COUNTY: Otter Tail | POPULATION: 451 * | MEDIAN HOUSEHOLD INCOME (MHI): \$32,188 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Unsewered Area Collection and Treatment | | 2.8 | SFY 2006 PPL Unsewered Area Project / Rank66 |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 2.8 | \$215,253 | \$1,019.62 | 3.168% |

Overall cost of projects identified as of January 1, 2006 by the community of Ottertail as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2.8 (million)

| | | | |
|--|--------------------------------------|--|--|
| Owatonna | COUNTY: Steele | POPULATION: 22,434 * | MEDIAN HOUSEHOLD INCOME (MHI): \$45,660 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Owatonna WWT Facility Expansion | | 10 | Wastewater Treatment Facilities Project |
| Northeast Sanitary Sewer Trunk Line | | 5 | Sewer System Project |
| Phosphorus Removal | | 5.5 | Wastewater Treatment Facilities Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 20.5 | \$1,575,958 | \$162.96 | 0.357% |
| <i>--- 5 - 10 yr. ---</i> | | | |
| Southeast Sanitary Sewer Trunk Line | | 7 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 7 | \$538,132 | \$55.64 | 0.122% |

Overall cost of projects identified as of January 1, 2006 by the community of Owatonna as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 27.5 (million)

| | | | |
|------------------------------|----------------|---------------------------------|--|
| Palisade | COUNTY: Aitkin | POPULATION: 118 * | MEDIAN HOUSEHOLD INCOME (MHI): \$27,083 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| SSTF modifications/expansion | | 0.4 | Wastewater Treatment Facilities Project |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data. ** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods. *** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.4 | \$30,750 | \$522.18 | 1.928% |

Overall cost of projects identified as of January 1, 2006 by the community of Palisade as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.4 (million)

| | | | |
|--------------------|-----------------|-------------------|---|
| Park Rapids | COUNTY: Hubbard | POPULATION: 991 * | MEDIAN HOUSEHOLD INCOME (MHI): \$23,628 * |
|--------------------|-----------------|-------------------|---|

| | | |
|---|---------------------------------|---|
| <i>Project(s)</i> | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | |
| th # 34 reconstruction project | 0.692 | Sewer System Project |
| Barscreen Facility Improvements | 0.4 | SFY 2006 PPL Treatment Facilities Project / Rank: 216 |
| Sanitary Sewer & Watermain Improvements - Deane Point | 0.4246 | Sewer System Project |

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1.5166 | \$116,590 | \$261.67 | 1.107% |

Overall cost of projects identified as of January 1, 2006 by the community of Park Rapids as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.5166 (million)

| | | | |
|------------------------|--------------------|---------------------|---|
| Parkers Prairie | COUNTY: Otter Tail | POPULATION: 3,276 * | MEDIAN HOUSEHOLD INCOME (MHI): \$28,618 * |
|------------------------|--------------------|---------------------|---|

| | | |
|--|---------------------------------|--|
| <i>Project(s)</i> | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | |
| water main and sewer extension, campbell p[ark addition, | 0.644 | Wastewater Treatment Facilities Project |
| Sewer Extensions and Improvements | 0.64 | SFY 2006 PPL Sewer System Project / Rank: 218 |

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1.284 | \$98,709 | \$60.19 | 0.210% |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

Overall cost of projects identified as of January 1, 2006 by the community of Parkers Prairie as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.284 (million)

| | | | |
|--|--------------------------------------|--|--|
| Paynesville | COUNTY: Stearns | POPULATION: 2,267* | MEDIAN HOUSEHOLD INCOME (MHI): \$34,000* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| 04, 06, 08 Street I.M.P. | | 4.7 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 4.7 | \$361,317 | \$348.16 | 1.024% |

Overall cost of projects identified as of January 1, 2006 by the community of Paynesville as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 4.7 (million)

| | | | |
|--|--------------------------------------|--|--|
| Pelican Group of Lakes I | COUNTY: Grant | POPULATION: 1* | MEDIAN HOUSEHOLD INCOME (MHI): \$1* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Pelican Group of Lakes Improvement Dist | | 16.95 | SFY 2006 PPL Unsewered Area Project / Rank:110 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 16.95 | \$1,303,048 | | |

Overall cost of projects identified as of January 1, 2006 by the community of Pelican Group of Lakes Improvement Dist as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 16.95 (million)

| | | | |
|-----------------------|---------------------------|---------------------------------|--|
| Pelican Rapids | COUNTY: Otter Tail | POPULATION: 2,374* | MEDIAN HOUSEHOLD INCOME (MHI): \$27,232* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

--- Current ---

| | | | |
|--|--------------------------------------|--|---|
| Sewer Rehabilitation | 2.5 | | SFY 2006 PPL Sewer System Project / Rank: 219 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 2.5 | \$192,190 | \$195.67 | 0.719% |

Overall cost of projects identified as of January 1, 2006 by the community of Pelican Rapids as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2.5 (million)

| | | | |
|-------------------|---------------------------|---------------------------------|--|
| Perham | COUNTY: Otter Tail | POPULATION: 2,559 * | MEDIAN HOUSEHOLD INCOME (MHI): \$28,397 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |

--- Current ---

| | | | |
|--|--------------------------------------|--|---|
| Second Street Reconstruction: Phase 2 | 0.227 | | Sewer System Project |
| Expansion of Land Application | 0.6 | | SFY 2006 PPL Treatment Facilities Project / Rank: 220 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.827 | \$63,576 | \$51.83 | 0.183% |

Overall cost of projects identified as of January 1, 2006 by the community of Perham as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs0.827 (million)

| | | | |
|-------------------|-------------------------|---------------------------------|--|
| Peterson | COUNTY: Fillmore | POPULATION: 269 * | MEDIAN HOUSEHOLD INCOME (MHI): \$35,781 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |

--- Current ---

| | | | |
|--|--------------------------------------|--|---|
| WWTP Replacement | 0.6 | | SFY 2006 PPL Treatment Facilities Project / Rank: 222 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.6 | \$46,126 | \$423.60 | 1.184% |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

Overall cost of projects identified as of January 1, 2006 by the community of Peterson as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.6 (million)

| | | | |
|--|--------------------------------------|--|---|
| Pillager | COUNTY: Cass | POPULATION: 420* | MEDIAN HOUSEHOLD INCOME (MHI): \$29,375* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Primary Pond Expansion | | 1.1 | SFY 2006 PPL Treatment Facilities Project / Rank: 126 |
| Lift Station and Collection Expansion | | 1.2 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 2.3 | \$176,815 | \$952.89 | 3.244% |

Overall cost of projects identified as of January 1, 2006 by the community of Pillager as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2.3 (million)

| | | | |
|---|--------------------------------------|--|--|
| Pine City | COUNTY: Pine | POPULATION: 3,043* | MEDIAN HOUSEHOLD INCOME (MHI): \$29,118* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Replace existing facility with a mechanical plant | | 7 | Wastewater Treatment Facilities Project |
| Replace existing facility with mechanical plant | | 7 | Wastewater Treatment Facilities Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 14 | \$1,076,264 | \$792.67 | 2.722% |

Overall cost of projects identified as of January 1, 2006 by the community of Pine City as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 14 (million)

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| Pipestone | COUNTY: Pipestone | POPULATION: 4,280 * | MEDIAN HOUSEHOLD INCOME (MHI): \$30,412 * | |
|--|---|---|--|--|
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Pretreatment Facility for Wastewater from industrial park | | 1.235 | Wastewater Treatment Facilities Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 1.235 | \$94,942 | \$44.97 | 0.148% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Pipestone as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.235 (million)</i> | | | | |

| Plymouth | **** | COUNTY: Hennepin | POPULATION: 65,894 * | MEDIAN HOUSEHOLD INCOME (MHI): \$77,008 * | |
|--|---|---|--|--|--|
| <i>Project(s)</i> | | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | | |
| Telemetry System Installation | | | 0.3 | Sewer System Project | |
| Sewer Main From east Maple Lake Connection | | | 0.35 | Sewer System Project | |
| Bass Lake Lift Station Rehab | | | 0.6 | Sewer System Project | |
| Imperial Hills Lift Station Rehab | | | 0.45 | Sewer System Project | |
| Pike Lake Lift Station Rehab | | | 0.6 | Sewer System Project | |
| Sewer Main and Lift Station - Vicksburg and 54th to 2005 | | | 0.41 | Sewer System Project | |
| County Road 73 Lift Station Rehab | | | 0.25 | Sewer System Project | |
| Lancaster Lift Station Rehab | | | 1.825 | Sewer System Project | |
| Villages Lift Station Rehab | | | 0.125 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | | |
| 4.91 | \$377,461 | \$13.69 | 0.018% | | |
| <i>--- 5 - 10 yr. ---</i> | | | | | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | |
|---|---|---|
| Bass Lake Lift Station Rehab | 0.19 | Sewer System Project |
| Green Tree Lift Station Rehab | 0.19 | Sewer System Project |
| Ferndale North Lift Station Rehab | 0.19 | Sewer System Project |
| Bass Lake Plaza Lift Station Rehab | 0.19 | Sewer System Project |
| Waterfront Lift Station Rehab | 0.22 | Sewer System Project |
| 28th Ave. Lift Station Rehab | 0.32 | Sewer System Project |
| Kingswood Farm Lift Station Rehab | 0.19 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> |
| 1.49 | \$114,545 | \$4.15 |
| <i>--- 10 - 20 yr. ---</i> | | |
| Future Development | 16.8 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> |
| 16.8 | \$1,291,517 | \$46.83 |

Overall cost of projects identified as of January 1, 2006 by the community of Plymouth

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 23.2 (million)

**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Plymouth

| | | | |
|---|---|---|---|
| Princeton | COUNTY: Mille Lacs | POPULATION: 3,933 * | MEDIAN HOUSEHOLD INCOME (MHI): \$35,216 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Expansion of Existing Wastewater Facilities | | 13 | SFY 2006 PPL Treatment Facilities Project / Rank: 96 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 13 | \$999,388 | \$553.85 | 1.573% |

Overall cost of projects identified as of January 1, 2006 by the community of Princeton

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 13 (million)

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

Prinsburg

COUNTY: Kandiyohi

POPULATION: 458*

MEDIAN HOUSEHOLD INCOME (MHI): \$38,125*

Project(s)

Cost Estimate (millions)

Project Type / SFY 2005 PPL Listed - Rank

--- Current ---

Prinsburg: 1/3 Repair Sewer System and Construct Treatm

1.1

SFY 2006 PPL Treatment Facilities Project / Rank: 33

Subtotal of Cost Estimates (millions)

*Project Annual Debt Service***

*Annual 20 yr. Household Cost****

Annual Household Cost as % MHI

1.1

\$84,564

\$404.83

1.062%

Overall cost of projects identified as of January 1, 2006 by the community of Prinsburg

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.1 (million)

Prior Lake

COUNTY: Scott

POPULATION: 15,917*

MEDIAN HOUSEHOLD INCOME (MHI): \$75,363*

Project(s)

Cost Estimate (millions)

Project Type / SFY 2005 PPL Listed - Rank

--- Current ---

Lift Station Renovation (5 Yr Plan)

1.6

Sewer System Project

Subtotal of Cost Estimates (millions)

*Project Annual Debt Service***

*Annual 20 yr. Household Cost****

Annual Household Cost as % MHI

1.6

\$123,002

\$19.61

0.026%

--- 5 - 10 yr. ---

Sanitary Sewer Trunk Extension in NE Corner of City (20

1

Sewer System Project

Subtotal of Cost Estimates (millions)

*Project Annual Debt Service***

*Annual 20 yr. Household Cost****

Annual Household Cost as % MHI

1

\$76,876

\$12.26

0.016%

Overall cost of projects identified as of January 1, 2006 by the community of Prior Lake

as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2.6 (million)

**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Prior Lake

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | | |
|--|--------------------------------------|--|--|--|
| Proctor | COUNTY: St. Louis | POPULATION: 2,852 * | MEDIAN HOUSEHOLD INCOME (MHI): \$38,322 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| --- Current --- | | | | |
| 4th Street Sewer Rehabilitation | | 0.15 | SFY 2006 PPL Sewer System Project / Rank: 223 | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 0.15 | \$11,531 | \$8.68 | 0.023% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Proctor as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.15 (million)</i> | | | | |
| <hr/> | | | | |
| Quamba | COUNTY: Kanabec | POPULATION: 98 * | MEDIAN HOUSEHOLD INCOME (MHI): \$38,125 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| --- Current --- | | | | |
| Sewer and Connect to Mora | | 1.28 | SFY 2006 PPL Unsewered Area Project / Rank: 39 | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 1.28 | \$98,401 | \$2,683.67 | 7.039% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Quamba as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.28 (million)</i> | | | | |
| <hr/> | | | | |
| Randolph | COUNTY: Dakota | POPULATION: 318 * | MEDIAN HOUSEHOLD INCOME (MHI): \$42,750 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| --- Current --- | | | | |
| Unsewered Area Collection and Treatment | | 3.72 | SFY 2006 PPL Unsewered Area Project / Rank: 163 | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 3.72 | \$285,979 | \$2,199.84 | 5.146% |

Overall cost of projects identified as of January 1, 2006 by the community of Randolph as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 3.72 (million)

**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Randolph

| | | | |
|-------------------|-----------------|---------------------------------|--|
| Red Wing | COUNTY: Goodhue | POPULATION: 16,116 * | MEDIAN HOUSEHOLD INCOME (MHI): \$43,674 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |

--- Current ---

| | | |
|--|---|---|
| Wastewater Treatment Facility Improvements | 3 | SFY 2006 PPL Treatment Facilities Project / Rank: 127 |
|--|---|---|

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 3 | \$230,628 | \$31.63 | 0.072% |

Overall cost of projects identified as of January 1, 2006 by the community of Red Wing as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 3 (million)

| | | | |
|----------------------|-----------------|---------------------------------|--|
| Redwood Falls | COUNTY: Redwood | POPULATION: 5,459 * | MEDIAN HOUSEHOLD INCOME (MHI): \$38,812 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |

--- Current ---

| | | |
|------------------------------------|------|---|
| Drew Street Sewer Line Replacement | 0.5 | Sewer System Project |
| West Side Sewer Extension | 0.5 | Sewer System Project |
| S.E. Development | 0.08 | Wastewater Treatment Facilities Project |
| phosphorous Removal | 2 | Wastewater Treatment Facilities Project |

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 3.08 | \$236,778 | \$94.04 | 0.242% |

--- 5 - 10 yr. ---

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| County Road No. 1 improvement | 0.45 | | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.45 | \$34,594 | \$13.74 | 0.035% |

Overall cost of projects identified as of January 1, 2006 by the community of Redwood Falls as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 3.53 (million)

| | | | |
|--|--------------------------------------|--|---|
| Renville | COUNTY: Renville | POPULATION: 1,323 * | MEDIAN HOUSEHOLD INCOME (MHI): \$37,206 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Wastewater Improvements | | 0.5 | Wastewater Treatment Facilities Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.5 | \$38,438 | \$68.10 | 0.183% |
| <i>--- 5 - 10 yr. ---</i> | | | |
| WWTP Upgrade | | 0.6 | SFY 2006 PPL Treatment Facilities Project / Rank: 225 |
| Sanitary Sewer Upgrade | | 0.717 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1.317 | \$101,246 | \$179.37 | 0.482% |

Overall cost of projects identified as of January 1, 2006 by the community of Renville as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.817 (million)

| | | | |
|---------------------------|-----------------------|---------------------------------|--|
| Rice | COUNTY: Benton | POPULATION: 711 * | MEDIAN HOUSEHOLD INCOME (MHI): \$48,173 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Expand treatment facility | | 1.17 | Wastewater Treatment Facilities Project |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1.17 | \$89,945 | \$327.73 | 0.680% |

Overall cost of projects identified as of January 1, 2006 by the community of Rice as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.17 (million)

| | | | |
|--|--------------------------------------|--|--|
| Rice Lake Township | COUNTY: St. Louis | POPULATION: 1 * | MEDIAN HOUSEHOLD INCOME (MHI): \$1 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| | | 4.89 | SFY 2006 PPL Unsewered Area Project / Rank:100 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 4.89 | \$375,924 | | |

Overall cost of projects identified as of January 1, 2006 by the community of Rice Lake Township as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 4.89 (million)

| | | | |
|--|--------------------------------------|--|--|
| Richfield | COUNTY: Hennepin | POPULATION: 34,439 * | MEDIAN HOUSEHOLD INCOME (MHI): \$45,519 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| | | 0.065 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.065 | \$4,997 | \$0.30 | 0.001% |

Overall cost of projects identified as of January 1, 2006 by the community of Richfield as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs0.065 (million)

**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Richfield

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| Richmond | COUNTY: Stearns | POPULATION: 1,213* | MEDIAN HOUSEHOLD INCOME (MHI): \$38,400* | |
|--|--------------------------------------|--|---|--|
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| --- Current --- | | | | |
| Rehab/expand existing treatment plant | | 7 | SFY 2006 PPL Treatment Facilities Project / Rank: 153 | |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI | |
| 7 | \$538,132 | \$1,002.73 | 2.611% | |
| Overall cost of projects identified as of January 1, 2006 by the community of Richmond as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 7 (million) | | | | |

| Rochester | COUNTY: Olmsted | POPULATION: 91,264* | MEDIAN HOUSEHOLD INCOME (MHI): \$49,090* | |
|--|------------------------|---------------------------------|--|--|
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| --- Current --- | | | | |
| J2175 relief trunk sewer from 37th Street NE to 13 1/2 Str | | 7.5 | Sewer System Project | |
| Sewer Tunnel to Serve Northwest Area and Hadley Valley | | 23 | Sewer System Project | |
| J7739 replace San. Sewer Lift Station #4 and Force Main | | 3.5 | Sewer System Project | |
| J9869 bear Creek sub-trunk from 37th St SE to serve Roch | | 1.6 | Sewer System Project | |
| Trunkline Sewer to Haverhill Township | | 0.563 | Sewer System Project | |
| Northwest Kings Run Trunk Line Relief Sewer | | 3.98 | Sewer System Project | |
| Service to Sec. 7 Cascade Township | | 0.416 | Sewer System Project | |
| Water Reclamation Plant and 2004 Expansion and Upgra | | 73 | Wastewater Treatment Facilities Project | |
| Bear Creek Trunkline Extension | | 1.1 | Sewer System Project | |
| Sewer and Water to Vardals, Thomas and Welch Subdiv. | | 1.86 | Sewer System Project | |
| T.H. 63 Trunkline Expansion from 40th to 45th | | 0.4 | Sewer System Project | |
| J7744 Hadley Valley Trunk Sewer Phase II | | 3.1 | Sewer System Project | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 120.019 | \$9,226,581 | \$234.93 | 0.479% |

--- 5 - 10 yr. ---

Water Reclamation Plant: Future Plant Expansion 36 Wastewater Treatment Facilities Project

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 36 | \$2,767,536 | \$70.47 | 0.144% |

Overall cost of projects identified as of January 1, 2006 by the community of Rochester as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 156.02 (million)

| | | | |
|-------------------|-----------------------|---------------------------------|--|
| Rockford | COUNTY: Wright | POPULATION: 3,484* | MEDIAN HOUSEHOLD INCOME (MHI): \$51,349* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |

--- 5 - 10 yr. ---

Miscellaneous WWTP Upgrades 1.9 Wastewater Treatment Facilities Project

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1.9 | \$146,064 | \$101.43 | 0.198% |

Overall cost of projects identified as of January 1, 2006 by the community of Rockford as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.9 (million)

| | | | |
|-------------------|------------------------|---------------------------------|--|
| Rockville | COUNTY: Stearns | POPULATION: 749* | MEDIAN HOUSEHOLD INCOME (MHI): \$43,854* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |

--- Current ---

Grand Lake and Pleasant Lake Area Improvements 9.3 Sewer System Project

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 9.3 | \$714,947 | \$2,400.94 | 5.475% |

Overall cost of projects identified as of January 1, 2006 by the community of Rockville as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 9.3 (million)

| | | | |
|--|--------------------------------------|--|--|
| Rogers | COUNTY: Hennepin | POPULATION: 3,588* | MEDIAN HOUSEHOLD INCOME (MHI): \$73,143* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Misc. New RBS Line Extensions | | 3.09 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 3.09 | \$237,547 | \$178.91 | 0.245% |
| <i>--- 5 - 10 yr. ---</i> | | | |
| Sludge / Biosolids Storage | | 5.526 | Wastewater Treatment Facilities Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 5.526 | \$424,817 | \$319.95 | 0.437% |

Overall cost of projects identified as of January 1, 2006 by the community of Rogers as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs8.616 (million)

**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Rogers

| | | | |
|---|-----------------------|---------------------------------|--|
| Roseville | COUNTY: Ramsey | POPULATION: 33,690* | MEDIAN HOUSEHOLD INCOME (MHI): \$51,056* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- 10 - 20 yr. ---</i> | | | |
| Sanitary Sewer Capital Improvements 2005-2025 | | 4 | Sewer System Project |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
|--|--------------------------------------|--|---------------------------------------|
| 4 | \$307,504 | \$18.96 | 0.037% |

Overall cost of projects identified as of January 1, 2006 by the community of Roseville as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 4 (million)

**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Roseville

| Royalton | COUNTY: Morrison | POPULATION: 816* | MEDIAN HOUSEHOLD INCOME (MHI): \$33,173* | |
|--|--------------------------------------|--|---|--|
| <i>Project(s)</i> | <i>Cost Estimate (millions)</i> | | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Wastewater Treatment Facility Expansion | | 1.6 | SFY 2006 PPL Treatment Facilities Project / Rank: 141 | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 1.6 | \$123,002 | \$343.79 | 1.036% | |
| <i>--- 5 - 10 yr. ---</i> | | | | |
| Various Sewer Extensions | | 0.2 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 0.2 | \$15,375 | \$42.97 | 0.130% | |

Overall cost of projects identified as of January 1, 2006 by the community of Royalton as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.8 (million)

| Rushmore | COUNTY: Nobles | POPULATION: 376* | MEDIAN HOUSEHOLD INCOME (MHI): \$33,750* | |
|------------------------------|---------------------------------|-------------------------|--|--|
| <i>Project(s)</i> | <i>Cost Estimate (millions)</i> | | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- 10 - 20 yr. ---</i> | | | | |
| Rehab/expand existing system | | 0.75 | SFY 2006 PPL Treatment Facilities Project / Rank: 22 | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.75 | \$57,657 | \$336.96 | 0.998% |

Overall cost of projects identified as of January 1, 2006 by the community of Rushmore as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.75 (million)

| | | | |
|--|--------------------------------------|--|--|
| Russell | COUNTY: Lyon | POPULATION: 371 * | MEDIAN HOUSEHOLD INCOME (MHI): \$32,045 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- 5 - 10 yr. --- | | | |
| no current project | | 0.1 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.1 | \$7,688 | \$44.07 | 0.138% |

Overall cost of projects identified as of January 1, 2006 by the community of Russell as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.1 (million)

| | | | |
|--|--------------------------------------|--|--|
| Rutledge | COUNTY: Pine | POPULATION: 196 * | MEDIAN HOUSEHOLD INCOME (MHI): \$33,750 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | |
| Unsewered Area Collection and Treatment | | 1.29 | SFY 2006 PPL Unsewered Area Project / Rank58 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1.29 | \$99,170 | \$1,144.27 | 3.390% |

Overall cost of projects identified as of January 1, 2006 by the community of Rutledge as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.29 (million)

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| Sandstone | COUNTY: Pine | POPULATION: 1,549 * | MEDIAN HOUSEHOLD INCOME (MHI): \$40,265 * |
|--|--------------------------------------|--|--|
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | |
| Wastewater Treatment Facility Modifications | | 0.27 | Sewer System Project |
| Wastewater Facility Plan | | 0.04 | Wastewater Treatment Facilities Project |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 0.31 | \$23,832 | \$36.98 | 0.092% |
| Overall cost of projects identified as of January 1, 2006 by the community of Sandstone as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.31 (million) | | | |
| <hr/> | | | |
| Sartell | COUNTY: Stearns | POPULATION: 9,641 * | MEDIAN HOUSEHOLD INCOME (MHI): \$52,531 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | |
| Northeast Trunk | | 0.66 | Sewer System Project |
| L.S. #8 Removal | | 0.13 | Sewer System Project |
| L.S. #7 forcemain replacement | | 0.09 | Sewer System Project |
| L.S. #3 Forcemain replacement | | 0.09 | Sewer System Project |
| L.S. #14 Forcemain | | 0.05 | Sewer System Project |
| south pine cone spur line | | 0.34 | Sewer System Project |
| East Central Trunk Line | | 0.35 | Sewer System Project |
| St Cloud Forcemain | | 2.7 | Sewer System Project |
| L.S. # 2 Reconstruction | | 0.59 | Sewer System Project |
| L.S.#1 reconstruction with forcemain | | 1.95 | Wastewater Treatment Facilities Project |
| Mill Trunk reconstruction | | 0.42 | Wastewater Treatment Facilities Project |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|---|---|---|--|
| southwest trunk | 0.35 | | Sewer System Project |
| Southwest Trunk | 0.35 | | Wastewater Treatment Facilities Project |
| riverside trunk reconstruction | 1.56 | | Sewer System Project |
| L.S. #1 reconstruction with forcemain | 1.95 | | Sewer System Project |
| l.s.#15 | 0.33 | | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 11.91 | \$915,593 | \$239.34 | 0.456% |
| <i>--- 5 - 10 yr. ---</i> | | | |
| Riverside Trunk reconstruction | 1.56 | | Wastewater Treatment Facilities Project |
| L.S.#15 | 0.33 | | Wastewater Treatment Facilities Project |
| L.S.#11 | 0.39 | | Wastewater Treatment Facilities Project |
| L.S.#12 | 0.63 | | Sewer System Project |
| L.S.#11 | 0.39 | | Sewer System Project |
| L.S.#13 | 0.11 | | Wastewater Treatment Facilities Project |
| L.S.#15 Forcemain | 0.36 | | Wastewater Treatment Facilities Project |
| townline tank | 0.57 | | Sewer System Project |
| L.S.#13 | 0.11 | | Sewer System Project |
| South Pine Core Spur Line | 0.34 | | Wastewater Treatment Facilities Project |
| Woeline Tank | 0.57 | | Wastewater Treatment Facilities Project |
| L.S. #12 | 0.63 | | Wastewater Treatment Facilities Project |
| L.S.#15 Forcemain | 0.36 | | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 6.35 | \$488,163 | \$127.61 | 0.243% |
| <i>--- 10 - 20 yr. ---</i> | | | |
| L.S.#14 | 0.11 | | Wastewater Treatment Facilities Project |
| l.s. #14 | 0.11 | | Sewer System Project |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

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Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.22 | \$16,913 | \$4.42 | 0.008% |

Overall cost of projects identified as of January 1, 2006 by the community of Sartell as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs \$18.48 (million)

| | | | |
|--|--------------------------------------|--|--|
| Sauk Centre | COUNTY: Stearns | POPULATION: 3,930 * | MEDIAN HOUSEHOLD INCOME (MHI): \$37,644 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- 10 - 20 yr. ---</i> | | | |
| Ash, Birch, Pine Streets Sewer Rehab/Replacement | | 0.355 | Sewer System Project |
| Wastewater Plant Upgrade | | 2.5 | Wastewater Treatment Facilities Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 2.855 | \$219,481 | \$122.24 | 0.325% |

Overall cost of projects identified as of January 1, 2006 by the community of Sauk Centre as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs \$2.855 (million)

| | | | |
|--|--------------------------------------|--|--|
| Savage | COUNTY: Scott | POPULATION: 21,115 * | MEDIAN HOUSEHOLD INCOME (MHI): \$75,097 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Hamilton District - Phases IV, V & VI | | 2.5 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 2.5 | \$192,190 | \$25.41 | 0.034% |
| <i>--- 5 - 10 yr. ---</i> | | | |
| South Savage Trunk Sewer - Phase II | | 1.448 | Sewer System Project |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1.448 | \$111,316 | \$14.72 | 0.020% |

Overall cost of projects identified as of January 1, 2006 by the community of Savage as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 3.948 (million)

**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Savage

| | | | |
|------------------------|------------------------|---------------------------------|--|
| Seaforth | COUNTY: Redwood | POPULATION: 77* | MEDIAN HOUSEHOLD INCOME (MHI): \$27,143* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Seaforth | | 1.45 | SFY 2006 PPL Unsewered Area Project / Rank 226 |

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1.45 | \$111,470 | \$2,711.44 | 9.989% |

Overall cost of projects identified as of January 1, 2006 by the community of Seaforth as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.45 (million)

| | | | |
|--------------------------|------------------------|---------------------------------|---|
| Shafer | COUNTY: Chisago | POPULATION: 343* | MEDIAN HOUSEHOLD INCOME (MHI): \$41,667* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| WWTF Expansion and Bio-P | | 1.63 | SFY 2006 PPL Treatment Facilities Project / Rank: 174 |
| WWTF Aeration | | 0.1824 | Wastewater Treatment Facilities Project |

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1.8124 | \$139,330 | \$1,011.27 | 2.427% |

Overall cost of projects identified as of January 1, 2006 by the community of Shafer as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.8124 (million)

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data. ** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods. *** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | | |
|---|------|--------------------------------------|--|---|
| Shakopee | **** | COUNTY: Scott | POPULATION: 20,568 * | MEDIAN HOUSEHOLD INCOME (MHI): \$59,137 * |
| <i>Project(s)</i> | | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | | |
| River District Sewer Interceptor Recon | | | 3.5 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 3.5 | | \$269,066 | \$32.12 | 0.054% |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Shakopee as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 3.5 (million)</i> | | | | |
| <i>**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Shakopee</i> | | | | |
| Shelly | | COUNTY: Norman | POPULATION: 266 * | MEDIAN HOUSEHOLD INCOME (MHI): \$28,750 * |
| <i>Project(s)</i> | | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | | |
| Wastewater System Improvements | | | 1.2 | Wastewater Treatment Facilities Project |
| Pond Improvements | | | 0.21 | SFY 2006 PPL Treatment Facilities Project / Rank: 151 |
| <i>Subtotal of Cost Estimates (millions)</i> | | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1.41 | | \$108,395 | \$878.88 | 3.057% |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Shelly as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.41 (million)</i> | | | | |
| Shorewood Park (Rush L | | COUNTY: Ottertail | POPULATION: 1 * | MEDIAN HOUSEHOLD INCOME (MHI): \$1 * |
| <i>Project(s)</i> | | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | | |
| Service extension to unsewered area | | | 9.89 | Sewer System Project |
| <p>* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.</p> <p>** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.</p> <p>*** Per household residential share of 20 year debt service</p> | | | | |

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Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 9.89 | \$760,304 | | |

Overall cost of projects identified as of January 1, 2006 by the community of Shorewood Park (Rush Lake) Sanitary Dist as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 9.89 (million)

| | | | |
|----------------------------------|-------------------|---------------------------------|--|
| Silver Creek Township - S | COUNTY: St. Louis | POPULATION: 1* | MEDIAN HOUSEHOLD INCOME (MHI): \$1* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |

--- Current ---

| | | | |
|---------------------------------------|--|-----|--|
| Silver Creek Township - Stewart River | | 5.3 | SFY 2006 PPL Unsewered Area Project / Rank:128 |
|---------------------------------------|--|-----|--|

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 5.3 | \$407,443 | | |

Overall cost of projects identified as of January 1, 2006 by the community of Silver Creek Township - Stewart River as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 5.3 (million)

| | | | |
|-------------------|--------------------|---------------------------------|--|
| Skyline | COUNTY: Blue Earth | POPULATION: 330* | MEDIAN HOUSEHOLD INCOME (MHI): \$59,583* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |

--- Current ---

| | | | |
|---|--|-----|---|
| Regional Treatment - Connect to Mankato | | 1.3 | SFY 2006 PPL Unsewered Area Project / Rank: |
|---|--|-----|---|

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1.3 | \$99,939 | \$725.36 | 1.217% |

Overall cost of projects identified as of January 1, 2006 by the community of Skyline as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.3 (million)

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|---|--------------------------------------|--|--|
| Slayton | COUNTY: Murray | POPULATION: 2,072 * | MEDIAN HOUSEHOLD INCOME (MHI): \$36,500 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Infiltration / Inflow Correction | | 0.05 | Sewer System Project |
| Force Main Replacement | | 0.1 | Wastewater Treatment Facilities Project |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 0.15 | \$11,531 | \$11.35 | 0.031% |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Slayton as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.15 (million)</i> | | | |
| <hr/> | | | |
| Sleepy Eye | COUNTY: Brown | POPULATION: 3,515 * | MEDIAN HOUSEHOLD INCOME (MHI): \$37,123 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- 5 - 10 yr. ---</i> | | | |
| Ongoing Sewer Rehab | | 0.962 | Sewer System Project |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 0.962 | \$73,955 | \$45.00 | 0.121% |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Sleepy Eye as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs0.962 (million)</i> | | | |
| <hr/> | | | |
| Spicer | COUNTY: Kandiyohi | POPULATION: 1,126 * | MEDIAN HOUSEHOLD INCOME (MHI): \$33,913 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Lake Avenue (CSAH 10) Improvements | | 2.3 | Sewer System Project |
| <p>* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.</p> <p>** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.</p> <p>*** Per household residential share of 20 year debt service</p> | | | |

Appendix 2 WINS 2005 2-1-06 version 1

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 2.3 | \$176,815 | \$301.39 | 0.889% |

Overall cost of projects identified as of January 1, 2006 by the community of Spicer as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2.3 (million)

| | | | |
|---|--------------------------------------|--|--|
| Spring Grove | COUNTY: Houston | POPULATION: 1,304 * | MEDIAN HOUSEHOLD INCOME (MHI): \$29,643 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- 5 - 10 yr. ---</i> | | | |
| Upgrade Trickling Filter, Add sludge storage - sludge pum | | 0.305 | Wastewater Treatment Facilities Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.305 | \$23,447 | \$36.32 | 0.123% |

Overall cost of projects identified as of January 1, 2006 by the community of Spring Grove as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs0305 (million)

| | | | |
|--|------------------------|---------------------------------|--|
| St. Cloud | COUNTY: Stearns | POPULATION: 59,107 * | MEDIAN HOUSEHOLD INCOME (MHI): \$37,346 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| 2005 West Side Neighborhood Improvements | | 0.54 | Sewer System Project |
| Westwood Parkway Plat 10 Improvements | | 0.113 | Sewer System Project |
| 2004 Liberty Glen Improvements | | 0.45 | Sewer System Project |
| 2007 Airport Area Sanitary Sewer Improvements | | 1.963 | Sewer System Project |
| 2005 Edna A. Murphy and Oak Grove Addition Improve | | 0.62 | Sewer System Project |
| 2005 Sommersby Improvements | | 0.087 | Sewer System Project |
| 2005 Quarry Woods 2nd Addition | | 0.58 | Sewer System Project |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|---|---|---|--|
| 2005 Augusta Business Park Sanitary Sewer Improvement | 1.67 | | Sewer System Project |
| St. Cloud WWTF Expansion | 0.26 | | Wastewater Treatment Facilities Project |
| 2005 West Prairie Point Improvements | 0.956 | | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 7.239 | \$556,505 | \$22.11 | 0.059% |

--- 5 - 10 yr. ---

| | | | |
|---|---|---|--|
| West Airport Interceptor Sewer | 6.046 | | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 6.046 | \$464,792 | \$18.47 | 0.049% |

Overall cost of projects identified as of January 1, 2006 by the community of St. Cloud as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs \$13.285 (million)

| | | | | |
|---|---|---|--|--|
| St. Francis | **** | COUNTY: Anoka | POPULATION: 4,910 | MEDIAN HOUSEHOLD INCOME (MHI): \$51,982 |
| <i>Project(s)</i> | | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | | |
| Wastewater Treatment Facility Expansion and Upgrade | | | 6 | Wastewater Treatment Facilities Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 6 | \$461,256 | \$253.44 | 0.488% | |

Overall cost of projects identified as of January 1, 2006 by the community of St. Francis as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 6 (million)

**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for St. Francis

| | | | | |
|--------------------|--|---------------------------|---------------------------------|--|
| St. Hilaire | | COUNTY: Pennington | POPULATION: 272 | MEDIAN HOUSEHOLD INCOME (MHI): \$26,250 |
| <i>Project(s)</i> | | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | | |
|--|--------------------------------------|---|---------------------------------------|--|
| Rehab/expand existing system | 0.83 | SFY 2006 PPL Treatment Facilities Project / Rank: 148 | | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 0.83 | \$63,807 | \$474.60 | 1.808% | |

Overall cost of projects identified as of January 1, 2006 by the community of St. Hilaire as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.83 (million)

| | | | | |
|--|--------------------------------------|--|--|--|
| St. Leo | COUNTY: Yellow Medi | POPULATION: 106 * | MEDIAN HOUSEHOLD INCOME (MHI): \$23,125 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| --- Current --- | | | | |
| Monitoring Wells | | 0.04 | Wastewater Treatment Facilities Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 0.04 | \$3,075 | \$51.25 | 0.222% | |

Overall cost of projects identified as of January 1, 2006 by the community of St. Leo as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.04 (million)

| | | | | |
|--|--------------------------------------|--|--|--|
| St. Louis Park | **** COUNTY: Hennepin | POPULATION: 44,126 * | MEDIAN HOUSEHOLD INCOME (MHI): \$49,260 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| --- Current --- | | | | |
| Sanitary Sewer Repair/Reconstruction | | 1.4 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 1.4 | \$107,626 | \$4.66 | 0.009% | |

Overall cost of projects identified as of January 1, 2006 by the community of St. Louis Park as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.4 (million)

**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for St. Louis Park

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data. ** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods. *** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| St. Michael | COUNTY: Wright | POPULATION: 9,099 * | MEDIAN HOUSEHOLD INCOME (MHI): \$69,903 * | |
|---|--------------------------------------|--|--|--|
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Reed Bed Expansion | | 1 | Wastewater Treatment Facilities Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 1 | \$76,876 | \$23.65 | 0.034% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of St. Michael as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1 (million)</i> | | | | |
| <hr/> | | | | |
| St. Paul | COUNTY: Ramsey | POPULATION: 87,151 * | MEDIAN HOUSEHOLD INCOME (MHI): \$38,774 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| South Highwood Area - Service extension to unsewered ar | | 1.5 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 1.5 | \$115,314 | \$0.93 | 0.002% | |
| <i>--- 10 - 20 yr. ---</i> | | | | |
| Sewer System Rehabilitation and Major Repairs | | 144.79 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 144.79 | \$11,130,876 | \$89.36 | 0.230% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of St. Paul as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 146.29 (million)</i> | | | | |
| <i>**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for St. Paul</i> | | | | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | | |
|---|------|--------------------------------------|--|--|
| St. Paul Park | **** | COUNTY: Washington | POPULATION: 5,070 * | MEDIAN HOUSEHOLD INCOME (MHI): \$50,805 * |
| <i>Project(s)</i> | | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | | |
| Rivers Edge | | | 5.8 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 5.8 | | \$445,881 | \$219.41 | 0.432% |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of St. Paul Park as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 5.8 (million)</i> | | | | |
| **** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for St. Paul Park | | | | |
| St. Stephen | | COUNTY: Stearns | POPULATION: 860 * | MEDIAN HOUSEHOLD INCOME (MHI): \$55,078 * |
| <i>Project(s)</i> | | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | | |
| Unsewered Area Collection and Treatment | | | 9.52 | SFY 2006 PPL Unsewered Area Project / Rank90 |
| <i>Subtotal of Cost Estimates (millions)</i> | | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 9.52 | | \$731,860 | \$2,279.15 | 4.138% |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of St. Stephen as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 9.52 (million)</i> | | | | |
| Stacy | | COUNTY: Chisago | POPULATION: 1,278 * | MEDIAN HOUSEHOLD INCOME (MHI): \$42,026 * |
| <i>Project(s)</i> | | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | | |
| Abandon existing WWTF and regionalize with Chisago L | | | 4 | Sewer System Project |
| <p>* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.</p> <p>** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.</p> <p>*** Per household residential share of 20 year debt service</p> | | | | |

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Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 4 | \$307,504 | \$593.89 | 1.413% |

Overall cost of projects identified as of January 1, 2006 by the community of Stacy as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 4 (million)

| | | | |
|-------------------|---------------------|---------------------------------|--|
| Staples | COUNTY: Todd | POPULATION: 3,104* | MEDIAN HOUSEHOLD INCOME (MHI): \$25,208* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |

--- Current ---

| | | |
|---|-------|---|
| Wastewater Pumping Station and Sanitary Sewer West T. | 0.17 | Sewer System Project |
| 1st Ave., 7th and 9th Streets Utility Improvements | 0.1 | Sewer System Project |
| Northwest Area Improvement | 0.576 | SFY 2006 PPL Sewer System Project / Rank: 231 |
| 5th and 6th Street Improvements | 0.12 | Sewer System Project |
| Todd County CSAH 43 Project | 0.43 | SFY 2006 PPL Sewer System Project / Rank: 175 |
| Todd County CSAH 42 and 5th Street Project | 0.45 | SFY 2006 PPL Sewer System Project / Rank: 175 |
| Service to Lakewood Health Systems | 0.5 | SFY 2006 PPL Sewer System Project / Rank: 230 |
| Rehab collection system | 0.88 | SFY 2006 PPL Sewer System Project / Rank: 175 |

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 3.226 | \$248,002 | \$174.65 | 0.693% |

Overall cost of projects identified as of January 1, 2006 by the community of Staples as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 3.226 (million)

| | | | |
|-------------------|---------------------|---------------------------------|--|
| Starbuck | COUNTY: Pope | POPULATION: 1,314* | MEDIAN HOUSEHOLD INCOME (MHI): \$28,235* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |

--- Current ---

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---|
| Phosphorus removal improvements and aeration improve | 0.47 | | Wastewater Treatment Facilities Project |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 0.47 | \$36,132 | \$57.55 | 0.204% |

Overall cost of projects identified as of January 1, 2006 by the community of Starbuck as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.47 (million)

| | | | |
|--|--------------------------------------|--|---|
| Steen | COUNTY: Rock | POPULATION: 182 * | MEDIAN HOUSEHOLD INCOME (MHI): \$36,875 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Rehab/expand existing system | | 0.29 | SFY 2006 PPL Treatment Facilities Project / Rank: 173 |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 0.29 | \$22,294 | \$290.79 | 0.789% |

Overall cost of projects identified as of January 1, 2006 by the community of Steen as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.29 (million)

| | | | |
|--|--------------------------------------|--|--|
| Stephen | COUNTY: Marshall | POPULATION: 708 * | MEDIAN HOUSEHOLD INCOME (MHI): \$33,207 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Rehab/expand existing system | | 0.16 | SFY 2006 PPL Treatment Facilities Project / Rank: 81 |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 0.16 | \$12,300 | \$37.91 | 0.114% |
| <i>--- 5 - 10 yr. ---</i> | | | |
| Seepage control | | 0.2 | SFY 2006 PPL Treatment Facilities Project / Rank: 81 |
| Structure Replacement | | 0.09 | SFY 2006 PPL Treatment Facilities Project / Rank: 81 |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

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Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.29 | \$22,294 | \$68.71 | 0.207% |

--- 10 - 20 yr. ---

1920 Sewer System Replacement 1 SFY 2006 PPL Sewer System Project / Rank: 81

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1 | \$76,876 | \$236.95 | 0.714% |

Overall cost of projects identified as of January 1, 2006 by the community of Stephen as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.45 (million)

| | | | |
|---------------------|-----------------|---------------------------------|--|
| Stewartville | COUNTY: Olmsted | POPULATION: 5,411 * | MEDIAN HOUSEHOLD INCOME (MHI): \$44,135 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |

--- Current ---

| | | |
|-----------------------------------|--------|---|
| 2005 wastewater feasibility study | 0.0009 | Wastewater Treatment Facilities Project |
| capital improvements projects | 0.7 | Sewer System Project |

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.7009 | \$53,882 | \$24.09 | 0.055% |

Overall cost of projects identified as of January 1, 2006 by the community of Stewartville as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.7009 (million)

| | | | |
|-------------------|--------------------|---------------------------------|--|
| Storden | COUNTY: Cottonwood | POPULATION: 274 * | MEDIAN HOUSEHOLD INCOME (MHI): \$30,694 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |

--- Current ---

| | | |
|---|------|---|
| Wastewater Collection and Treatment Project | 1.35 | Wastewater Treatment Facilities Project |
|---|------|---|

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1.35 | \$103,783 | \$778.37 | 2.536% |

Overall cost of projects identified as of January 1, 2006 by the community of Storden as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.35 (million)

| | | | |
|--|--------------------------------------|--|--|
| Sturgeon Lake | COUNTY: Pine | POPULATION: 347 * | MEDIAN HOUSEHOLD INCOME (MHI): \$36,875 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | |
| Unsewered Collection and Treatment | | 4.27 | SFY 2006 PPL Unsewered Area Project / Rank69 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 4.27 | \$328,261 | \$2,238.14 | 6.070% |

Overall cost of projects identified as of January 1, 2006 by the community of Sturgeon Lake as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 4.27 (million)

| | | | |
|--|--------------------------------------|--|--|
| Tonka Bay | COUNTY: Hennepin | POPULATION: 1,547 * | MEDIAN HOUSEHOLD INCOME (MHI): \$84,879 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | |
| Replace Sanitary Sewer Lift Station #5 | | 0.09 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.09 | \$6,919 | \$10.14 | 0.012% |

Overall cost of projects identified as of January 1, 2006 by the community of Tonka Bay as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.09 (million)

**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Tonka Bay

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data. ** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods. *** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|--|
| Tower-Brietung Wastewa | COUNTY: St. Louis | POPULATION: 1* | MEDIAN HOUSEHOLD INCOME (MHI): \$1* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Collection and treatment system improv. | | 2.33 | SFY 2006 PPL Sewer System Project / Rank: 235 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 2.33 | \$179,121 | | |

Overall cost of projects identified as of January 1, 2006 by the community of Tower-Brietung Wastewater Board as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2.33 (million)

| | | | |
|--|--------------------------------------|--|--|
| Tracy | COUNTY: Lyon | POPULATION: 2,268* | MEDIAN HOUSEHOLD INCOME (MHI): \$31,356* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- 5 - 10 yr. ---</i> | | | |
| Rehabilitation of Collection System | | 0.25 | Sewer System Project |
| Replacement of Primary and Secondary Road System | | 3 | Wastewater Treatment Facilities Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 3.25 | \$249,847 | \$243.89 | 0.778% |

Overall cost of projects identified as of January 1, 2006 by the community of Tracy as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 3.25 (million)

| | | | |
|-----------------------------------|----------------|---------------------------------|--|
| Trimont | COUNTY: Martin | POPULATION: 754* | MEDIAN HOUSEHOLD INCOME (MHI): \$28,125* |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Wastewater Treatment Improvements | | 1.715 | Wastewater Treatment Facilities Project |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1.715 | \$131,842 | \$368.50 | 1.310% |

Overall cost of projects identified as of January 1, 2006 by the community of Trimont as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.715 (million)

| | | | |
|--|--------------------------------------|--|--|
| Twin Valley | COUNTY:Norman | POPULATION: 865 * | MEDIAN HOUSEHOLD INCOME (MHI): \$23,083 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Sanitary Sewer Replacement | | 0.975 | SFY 2006 PPL Sewer System Project / Rank: 236 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.975 | \$74,954 | \$187.39 | 0.812% |

Overall cost of projects identified as of January 1, 2006 by the community of Twin Valley as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.975 (million)

| | | | |
|--|--------------------------------------|--|--|
| Two Harbors | COUNTY:Lake | POPULATION: 3,613 * | MEDIAN HOUSEHOLD INCOME (MHI): \$37,708 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Sewer Main Replacement | | 7.2 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 7.2 | \$553,507 | \$327.09 | 0.867% |

Overall cost of projects identified as of January 1, 2006 by the community of Two Harbors as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 7.2 (million)

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | | |
|--|--------------------------------------|--|---|--|
| Upsala | COUNTY: Morrison | POPULATION: 424 * | MEDIAN HOUSEHOLD INCOME (MHI): \$30,000 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Relocation of Stabilization Pond Outfall Line and Replace Stormwater Oak Ave | | 0.12 | SFY 2006 PPL Treatment Facilities Project / Rank: 167 | |
| | | 0.042 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 0.162 | \$12,454 | \$59.62 | 0.199% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Upsala as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.162 (million)</i> | | | | |
| <hr/> | | | | |
| Urbank | COUNTY: Otter Tail | POPULATION: 59 * | MEDIAN HOUSEHOLD INCOME (MHI): \$40,625 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Unsewered Collection and Treatment | | 0.96 | SFY 2006 PPL Unsewered Area Project / Rank237 | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 0.96 | \$73,801 | \$2,075.65 | 5.109% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Urbank as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.96 (million)</i> | | | | |
| <hr/> | | | | |
| Villard | COUNTY: Pope | POPULATION: 244 * | MEDIAN HOUSEHOLD INCOME (MHI): \$24,688 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Develop/Construct Collection and Ponds | | 2.9 | SFY 2006 PPL Unsewered Area Project / Rank239 | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 2.9 | \$222,940 | \$2,026.73 | 8.209% |

Overall cost of projects identified as of January 1, 2006 by the community of Villard as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2.9 (million)

| | | | |
|--|--------------------------------------|--|--|
| Villard Area Lakes Sanita | COUNTY: Pope | POPULATION: 1 * | MEDIAN HOUSEHOLD INCOME (MHI): \$1 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Develop/Construct Collection and Ponds | | 6.45 | SFY 2006 PPL Unsewered Area Project / Rank240 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 6.45 | \$495,850 | | |

Overall cost of projects identified as of January 1, 2006 by the community of Villard Area Lakes Sanitary District as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 6.45 (million)

| | | | |
|---|--------------------------------------|--|--|
| Wabasha | COUNTY: Wabasha | POPULATION: 2,599 * | MEDIAN HOUSEHOLD INCOME (MHI): \$35,291 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Wastewater Treatment Plant Expansion (new oxidation dit | | 6.5 | Wastewater Treatment Facilities Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 6.5 | \$499,694 | \$423.47 | 1.200% |

Overall cost of projects identified as of January 1, 2006 by the community of Wabasha as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 6.5 (million)

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | | |
|--|------|--------------------------------------|--|--|
| Waconia | **** | COUNTY: Carver | POPULATION: 6,814 * | MEDIAN HOUSEHOLD INCOME (MHI): \$55,705 * |
| <i>Project(s)</i> | | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | | |
| C.I.P.P. Cured in Place Pipe | | | 0.15 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.15 | | \$11,531 | \$4.04 | 0.007% |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Waconia as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.15 (million)</i> | | | | |
| **** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for Waconia | | | | |
| Wadena | | COUNTY: Wadena | POPULATION: 4,294 * | MEDIAN HOUSEHOLD INCOME (MHI): \$26,947 * |
| <i>Project(s)</i> | | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- 5 - 10 yr. --- | | | | |
| Sanitary Sewer Line Sliplining | | | 0.4 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.4 | | \$30,750 | \$14.79 | 0.055% |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Wadena as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.4 (million)</i> | | | | |
| Wahkon | | COUNTY: Mille Lacs | POPULATION: 314 * | MEDIAN HOUSEHOLD INCOME (MHI): \$22,321 * |
| <i>Project(s)</i> | | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | | |
| Primary Pond Expansion | | | 0.103 | Wastewater Treatment Facilities Project |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.103 | \$7,918 | \$47.51 | 0.213% |

Overall cost of projects identified as of January 1, 2006 by the community of Wahkon as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.103 (million)

| | | | |
|--|--------------------------------------|--|--|
| Waite Park | COUNTY: Stearns | POPULATION: 6,568 * | MEDIAN HOUSEHOLD INCOME (MHI): \$33,803 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| CR 137 Improvements | | 2.7 | Sewer System Project |
| Southwest Utility Expansion | | 4.2 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 6.9 | \$530,444 | \$160.90 | 0.476% |

Overall cost of projects identified as of January 1, 2006 by the community of Waite Park as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 6.9 (million)

| | | | |
|--|--------------------------------------|--|--|
| Walters | COUNTY: Faribault | POPULATION: 88 * | MEDIAN HOUSEHOLD INCOME (MHI): \$28,750 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Develop/Construct Collection and Ponds | | 1.04 | SFY 2006 PPL Unsewered Area Project / Rank61 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1.04 | \$79,951 | \$2,116.35 | 7.361% |

Overall cost of projects identified as of January 1, 2006 by the community of Walters as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.04 (million)

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| Wanamingo | COUNTY: Goodhue | POPULATION: 1,007* | MEDIAN HOUSEHOLD INCOME (MHI): \$40,000* | |
|---|--------------------------------------|--|--|--|
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- 5 - 10 yr. ---</i> | | | | |
| Replacing Sewer Liner | | 0.5 | SFY 2006 PPL Sewer System Project / Rank: 241 | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 0.5 | \$38,438 | \$85.63 | 0.214% | |
| <i>--- 10 - 20 yr. ---</i> | | | | |
| Replacing Sewer Lines West Side | | 0.5 | SFY 2006 PPL Sewer System Project / Rank: 241 | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 0.5 | \$38,438 | \$85.63 | 0.214% | |
| Overall cost of projects identified as of January 1, 2006 by the community of Wanamingo as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1 (million) | | | | |

| Warroad | COUNTY: Roseau | POPULATION: 1,722* | MEDIAN HOUSEHOLD INCOME (MHI): \$34,948* | |
|--|--------------------------------------|--|--|--|
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Rehab/expand existing system | | 3.39 | SFY 2006 PPL Treatment Facilities Project / Rank: 17 | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 3.39 | \$260,610 | \$357.00 | 1.022% | |
| Overall cost of projects identified as of January 1, 2006 by the community of Warroad as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 3.39 (million) | | | | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | | |
|--|--------------------------------------|--|---|--|
| Watkins | COUNTY: Meeker | POPULATION: 880 * | MEDIAN HOUSEHOLD INCOME (MHI): \$32,188 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Wastewater treatment facilities expansion | | 1.74 | SFY 2006 PPL Treatment Facilities Project / Rank: 106 | |
| Sewer System Reconstruction | | 7.1 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 8.84 | \$679,584 | \$1,820.31 | 5.655% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Watkins as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 8.84 (million)</i> | | | | |
| <hr/> | | | | |
| Watson | COUNTY: Chippewa | POPULATION: 209 * | MEDIAN HOUSEHOLD INCOME (MHI): \$34,688 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Rehab sewer new (wetlands) treat | | 1.9 | Wastewater Treatment Facilities Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 1.9 | \$146,064 | \$1,528.58 | 4.407% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Watson as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.9 (million)</i> | | | | |
| <hr/> | | | | |
| Wells | COUNTY: Faribault | POPULATION: 2,494 * | MEDIAN HOUSEHOLD INCOME (MHI): \$26,463 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Southside Interceptor | | 2.04765 | Sewer System Project | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | |
|--|--------------------------------------|--|---------------------------------------|
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 2.04765 | \$157,415 | \$137.28 | 0.519% |

Overall cost of projects identified as of January 1, 2006 by the community of Wells as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2.0477 (million)

| | | | |
|--|--------------------------------------|--|--|
| West Concord | COUNTY: Dodge | POPULATION: 836 * | MEDIAN HOUSEHOLD INCOME (MHI): \$39,453 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| Wastewater Treatment Facilities Plan (project approved a | | 2.26 | Wastewater Treatment Facilities Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 2.26 | \$173,740 | \$468.16 | 1.187% |

Overall cost of projects identified as of January 1, 2006 by the community of West Concord as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2.26 (million)

| | | | |
|--|--------------------------------------|--|--|
| West St. Paul | COUNTY: Dakota | POPULATION: 19,405 * | MEDIAN HOUSEHOLD INCOME (MHI): \$41,103 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| <i>--- Current ---</i> | | | |
| I & I Rehabilitation | | 3.75 | Sewer System Project |
| I/I Rehabilitation | | 3.75 | Sewer System Project |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 7.5 | \$576,570 | \$60.02 | 0.146% |

Overall cost of projects identified as of January 1, 2006 by the community of West St. Paul as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 7.5 (million)

**** Metropolitan Council Environmental Services (MCES) provides wastewater treatment for West St. Paul

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | | | |
|--|--------------------------------------|--|--|--|
| Willmar | COUNTY: Kandiyohi | POPULATION: 18,351 * | MEDIAN HOUSEHOLD INCOME (MHI): \$33,455 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Wastewater Treatment Facilities Rehabilitation and Expan | | 0.08 | Wastewater Treatment Facilities Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 0.08 | \$6,150 | \$0.76 | 0.002% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Willmar as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.08 (million)</i> | | | | |
| <hr/> | | | | |
| Winnebago | COUNTY: Faribault | POPULATION: 1,487 * | MEDIAN HOUSEHOLD INCOME (MHI): \$32,321 * | |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- 5 - 10 yr. ---</i> | | | | |
| North Lift Station Upgrade | | 0.05 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 0.05 | \$3,844 | \$5.40 | 0.017% | |
| <i>--- 10 - 20 yr. ---</i> | | | | |
| Primary Digester Replacement | | 0.5 | Wastewater Treatment Facilities Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 0.5 | \$38,438 | \$53.97 | 0.167% | |
| <i>Overall cost of projects identified as of January 1, 2006 by the community of Winnebago as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.55 (million)</i> | | | | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| Winona | COUNTY: Winona | POPULATION: 27,069 * | MEDIAN HOUSEHOLD INCOME (MHI): \$32,845 * | |
|---|---|---------------------------------|--|--|
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| --- Current --- | | | | |
| Sunnyside Jederman Extension | | 0.3 | Sewer System Project | |
| Rehabilitation of Sewer Mains (Third St., Fifth St., and H | | 0.54 | Sewer System Project | |
| Six Housing Subdivisions New Service | | 0.79 | Sewer System Project | |
| Trunkline sewer extension | | 1 | Sewer System Project | |
| Conrad Avenue | | 0.2 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 2.83 | \$217,559 | | \$19.01 | 0.058% |
| --- 5 - 10 yr. --- | | | | |
| Front Street Interceptor | | 1 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 1 | \$76,876 | | \$6.72 | 0.020% |
| Overall cost of projects identified as of January 1, 2006 by the community of Winona as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 3.83 (million) | | | | |

| Winsted | COUNTY: McLeod | POPULATION: 2,094 * | MEDIAN HOUSEHOLD INCOME (MHI): \$41,588 * | |
|---------------------------------------|-----------------------|---------------------------------|--|--|
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| --- Current --- | | | | |
| Portable Generator | | 0.11 | Sewer System Project | |
| Wastewater Biosolids Holding Facility | | 1.3 | Wastewater Treatment Facilities Project | |
| Preliminary Screening Replacement | | 0.03 | Wastewater Treatment Facilities Project | |
| Grit Removal | | 0.5 | Wastewater Treatment Facilities Project | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
|--|--------------------------------------|--|---------------------------------------|
| 1.94 | \$149,139 | \$163.29 | 0.393% |

--- 5 - 10 yr. ---

| | | | |
|---|------|---|--|
| Phosphorous Removal | 0.6 | Wastewater Treatment Facilities Project | |
| Sanitary Sewer Extension West, East and North | 1.6 | Sewer System Project | |
| Replace Three Lift-stations | 1.25 | Sewer System Project | |

| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
|--|--------------------------------------|--|---------------------------------------|
| 3.45 | \$265,222 | \$290.39 | 0.698% |

Overall cost of projects identified as of January 1, 2006 by the community of Winsted as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 5.39 (million)

| | | | |
|--|--------------------------------------|--|--|
| Winton | COUNTY: St. Louis | POPULATION: 185 * | MEDIAN HOUSEHOLD INCOME (MHI): \$29,063 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | |
| I / I Abatement Program | | 0.549346 | SFY 2006 PPL Sewer System Project / Rank: 245 |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> |
| 0.549346 | \$42,232 | \$447.16 | 1.539% |

Overall cost of projects identified as of January 1, 2006 by the community of Winton as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 0.5493 (million)

| | | | |
|---|-------------------|---------------------------------|--|
| WLSSD - Western Lake S | COUNTY: St. Louis | POPULATION: 1 * | MEDIAN HOUSEHOLD INCOME (MHI): \$1 * |
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> |
| --- Current --- | | | |
| Planning, Engineering, Fiscal and Misc. | | 3.62 | Wastewater Treatment Facilities Project |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

| | | |
|--|--------------------------------------|---|
| Biosolids & Land App. | 2.6 | SFY 2006 PPL Treatment Facilities Project / Rank: 14 |
| Clean Water Production - 4000-WW | 10.19 | Wastewater Treatment Facilities Project |
| Conveyance - 4200WW | 17.6 | Sewer System Project |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** Annual Household Cost as % MHI |
| 34.01 | \$2,614,553 | |

--- 5 - 10 yr. ---

| | | |
|--|--------------------------------------|---|
| Clean Water Production - 4000-WW | 8.18 | Wastewater Treatment Facilities Project |
| Conveyance - 4200WW | 34.5 | Sewer System Project |
| Biosolids & Land App. | 1.9 | SFY 2006 PPL Treatment Facilities Project / Rank: 14 |
| Planning, Engineering, Fiscal and Misc. | 3.67 | SFY 2006 PPL Treatment Facilities Project / Rank: 24 |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** Annual Household Cost as % MHI |
| 48.25 | \$3,709,267 | |

Overall cost of projects identified as of January 1, 2006 by the community of WLSSD - Western Lake Superior Sanitary District as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs \$2.26 (million)

| | | | |
|--|--------------------------------------|--|--|
| Worthington | COUNTY: Nobles | POPULATION: 11,283 * | MEDIAN HOUSEHOLD INCOME (MHI): \$36,250 * |
| Project(s) | | Cost Estimate (millions) | Project Type / SFY 2005 PPL Listed - Rank |
| --- Current --- | | | |
| 2008 Sanitary Sewer Improvements | | 0.4 | Sewer System Project |
| 2004 Sanitary Sewer Improvements | | 0.4 | Sewer System Project |
| 2007 Sanitary Sewer Improvements | | 0.4 | Sewer System Project |
| 2006 Sanitary Sewer Improvements | | 0.4 | Sewer System Project |
| 2005 Sanitary Sewer Improvements | | 0.4 | Sewer System Project |
| Subtotal of Cost Estimates (millions) | Project Annual Debt Service** | Annual 20 yr. Household Cost*** | Annual Household Cost as % MHI |
| 2 | \$153,752 | \$32.10 | 0.089% |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

Overall cost of projects identified as of January 1, 2006 by the community of Worthington as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 2 (million)

| Wyoming | COUNTY: Chisago | POPULATION: 3,048* | MEDIAN HOUSEHOLD INCOME (MHI): \$56,192* | |
|--|--------------------------------------|--|--|--|
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Joint Sewer Pipeline Project | | 6.34 | Sewer System Project | |
| CLJSTC WWTP Project | | 9.5 | Wastewater Treatment Facilities Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 15.84 | \$1,217,716 | \$1,071.30 | 1.907% | |

Overall cost of projects identified as of January 1, 2006 by the community of Wyoming as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 15.84 (million)

| Zumbro Falls | COUNTY: Wabasha | POPULATION: 177* | MEDIAN HOUSEHOLD INCOME (MHI): \$1* | |
|--|--------------------------------------|--|--|--|
| <i>Project(s)</i> | | <i>Cost Estimate (millions)</i> | <i>Project Type / SFY 2005 PPL Listed - Rank</i> | |
| <i>--- Current ---</i> | | | | |
| Collection System Main Replacement | | 0.5 | Sewer System Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 0.5 | \$38,438 | \$449.28 | 27.532% | |
| <i>--- 5 - 10 yr. ---</i> | | | | |
| Rehabilitation and Expansion of Stabilization Pond | | 0.75 | Wastewater Treatment Facilities Project | |
| <i>Subtotal of Cost Estimates (millions)</i> | <i>Project Annual Debt Service**</i> | <i>Annual 20 yr. Household Cost***</i> | <i>Annual Household Cost as % MHI</i> | |
| 0.75 | \$57,657 | \$673.91 | 391.299% | |

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 2: 2005 WINS - Descriptions of Individual Community Needs, Projects Costs and Affordability

Communities with Infrastructure Needs and Cost Estimates --- Listed Alphabetical by Name of Community

Overall cost of projects identified as of January 1, 2006 by the community of Zumbro Falls as necessary to address: Current (0-5 year), 5-10 year, and 10-20 year wastewater infrastructure needs 1.25 (million)

* Pop. and MHI from 2000 Census. Value of "1" indicates missing data.

** Assuming twenty (20) year debt service at market rate of 4.5% and 90% residential share of capital cost recovery. Note that where there are combinations of: Current (0-5 yrs.), 5-10 yr., and/or 10-20 yr. projects the annual household debt service costs will overlap and accumulate with 20 yr. repayment periods.

*** Per household residential share of 20 year debt service

Appendix 3: Minnesota Statutes § 115.03, Subd. 9

Minnesota Statutes §115.03 Powers and duties.

Subd. 9. Future costs of wastewater treatment; update

of 1995 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 Rules, chapter 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

**Appendix 4: Water Pollution Control Revolving Fund
SFY 2006 Project Priority List***

Alphabetical Order

| Project Name | Rank | Project Description | Project Number | Priority Points | Estimated Project Cost |
|--|-------------|---|-----------------------|------------------------|-------------------------------|
| Alborn Township | 44 | Unsewered - clusters | 279437-01 | 503.00 | 955,056 |
| Alexandria Lakes Area Service Region | 51 | Sewer extensions to unsewered areas | 272468-01 | 485.00 | 3,420,600 |
| Annandale/Maple Lake | 67 | New treatment plant | 272645-01 | 439.00 | 12,000,000 |
| Appleton | 1 | Sludge handling improvements | 272373-01 | 918.75 | 1,335,000 |
| Askov | 88 | New treatment plant | 272613-01 | 325.00 | 1,908,400 |
| Atwater | 166 | Sewer rehab | 272614-01 | 75.00 | 886,000 |
| Aurora - Rehabilitation of Treatment Plant | 178 | Secondary Treatment Upgrade and Expansion | 279485-01 | 1.00 | 2,500,000 |
| Aurora - Retrofit Biosolids | 18 | Treatment plant reconstruction | 279410-01 | 670.00 | 4,900,000 |
| Austin | 16 | Rehab/expand existing system | 272409-01 | 704.74 | 5,000,000 |
| Barnesville | 59 | Expansion of Aeration Ponds Additional Biological Treatme | 279360-01 | 460.00 | 3,900,000 |
| Barrett | 179 | Sewer Rehab | 279361-01 | 1.00 | 307,000 |
| Beaver Bay | 122 | Expand Existing System | 272615-01 | 196.00 | 900,000 |
| Bertha | 172 | Rehab/expand existing system | 272442-01 | 50.00 | 1,391,500 |
| Big Lake | 168 | Expand existing system | 272616-01 | 74.40 | 12,200,000 |
| Big Lake Area Sanitary District | 180 | Unsewered / Collection and Treatment | 279480-01 | 1.00 | 7,984,724 |
| Bigelow | 27 | Unsewered / collection and treatment | 273005-01 | 589.00 | 2,600,000 |
| Bigfork | 120 | Rehab and expand ponds | 279438-01 | 205.00 | 1,551,000 |
| Bird Island | 157 | Sewer separation | 272500-01 | 100.00 | 7,225,000 |
| Biwabik | 142 | Rehab/expand existing system | 272229-01 | 142.00 | 5,364,000 |
| Blomkest | 15 | Regionalization of unsewered area | 279363-01 | 706.00 | 2,300,000 |
| Blue Earth | 5 | Sewer Rehab. and Biosolids | 279439-01 | 790.16 | 3,615,500 |
| Brainerd | 181 | Brainerd-Baxter WWTF Expansion of Treatment Facilities | 279487-01 | 1.00 | 20,438,000 |
| Brandon Township | 64 | Unsewered / connect to ALASD | 272503-01 | 453.00 | 4,838,000 |
| Breitung Township | 182 | Sewer rehab | 279364-01 | 1.00 | 585,000 |
| Bricelyn | 183 | I/I correction | 272534-01 | 1.00 | 123,900 |

* Minnesota Rule Chapter 7070 is under revision. The SFY 2006 PPL is based on Chapter 7077 prior to revision.

**Appendix 4: Water Pollution Control Revolving Fund
SFY 2006 Project Priority List***

Alphabetical Order

| Project Name | Rank | Project Description | Project Number | Priority Points | Estimated Project Cost |
|--|-------------|---|-----------------------|------------------------|-------------------------------|
| Brooten | 125 | Rehab/expand existing system | 272458-01 | 185.00 | 2,499,783 |
| Browerville Phase II | 109 | Treatment facility rehab | 272617-02 | 213.00 | 4,144,000 |
| Brownsville | 184 | Rehab. Treatment Facilities | 279489-01 | 1.00 | |
| Bruno | 185 | Unsewered - Pressure Sewer/Sand Filter | 279440-01 | 1.00 | 1,435,000 |
| Burtrum | 108 | Plant expansion RB Basin Oxidtion Ditches | 279365-01 | 218.75 | 1,179,600 |
| Butterfield | 28 | Rehab/expand existing system | 272479-01 | 575.00 | 2,005,000 |
| Canby | 156 | Sewer rehab | 272322-01 | 100.00 | 2,750,000 |
| Canosia & Grand Lake Townships - Caribou Lake (St. | 40 | Unsewered / collection and treatment | 279366-01 | 513.00 | 5,000,000 |
| Cass Lake | 186 | Sewer Rehab. | 272644-01 | 1.00 | 931,110 |
| Central Iron Range SD | 187 | Planning for new sanitary district | 279367-01 | 1.00 | 300,000 |
| Central Lake Region JEP Board | 95 | Treatment for unsewered areas | 279334-01 | 306.00 | 6,078,000 |
| Chatfield | 121 | Rehab/expand existing system | 272561-01 | 197.00 | 6,430,000 |
| Chisago Jt. Sewage Trmt. Comm. Phase 2 | 50 | Connect Stacy to Chisago Lakes JSTC | 279339-01 | 495.00 | 4,400,000 |
| Chisholm | 145 | Replace digester cover | 272609-01 | 135.00 | 400,000 |
| Clarkfield | 177 | Rehab. Expand Existing System | 272535-01 | 10.00 | |
| Clear Lake / Clearwater | 107 | Construct Mechanical Plant | 279368-01 | 218.75 | 8,500,000 |
| Cook | 162 | I/I correction | 279314-01 | 85.00 | |
| Cotton Township | 188 | Unsewered area, collection and treatment | 279441-01 | 1.00 | |
| Cottonwood Phase 2 | 77 | Collection Improvements | 272611-02 | 400.00 | 166,000 |
| Crane Lake - Eastern Service Area | 189 | Sewer ext. to unsewered areas | 272618-01 | 1.00 | 2,556,300 |
| Cromwell | 190 | Rehab/Replace existing Mound system | 279442-01 | 1.00 | |
| Crookston | 138 | Rehab/expand existing system | 272483-01 | 157.00 | 1,190,000 |
| Deer River | 149 | Rehab/expand existing system | 272596-01 | 125.00 | 1,481,410 |
| Deerwood | 191 | Rehab/Expand Existing System | 279443-01 | 1.00 | 150,000 |
| Dent | 70 | Rehab existing ponds | 279369-01 | 424.45 | 865,000 |

* Minnesota Rule Chapter 7070 is under revision. The SFY 2006 PPL is based on Chapter 7077 prior to revision.

**Appendix 4: Water Pollution Control Revolving Fund
SFY 2006 Project Priority List***

Alphabetical Order

| Project Name | Rank | Project Description | Project Number | Priority Points | Estimated Project Cost |
|---|-------------|--|-----------------------|------------------------|-------------------------------|
| Dilworth | 192 | Sewer rehab | 272607-01 | 1.00 | 975,000 |
| Doran | 53 | Unsewered / new collection and trmnt | 272620-01 | 480.10 | 934,303 |
| Dover-Eyota-St.Charles Phase 2 | 75 | Rehab/expand existing system | 272099-02 | 401.38 | 11,292,000 |
| Duluth Morgan Park Phase 4 | 104 | Sewer Rehab. Phase 4 | 279315-03 | 233.75 | 2,000,000 |
| Duluth SSO Lakeside Storage Basin | 105 | SSO overflow correction basin | 279415-01 | 233.75 | 6,640,000 |
| Duluth/NS Phase 2 (Knife River) | 42 | Connect Knife River to DNSSD | 279340-01 | 508.75 | 1,761,725 |
| Dumont | 12 | Corrective Action Project | 279444-01 | 718.10 | 752,585 |
| Dunnell | 129 | Corrective Action Project | 279445-01 | 178.02 | 1,032,000 |
| Eagle Bend | 86 | New trmt facility, sewer rehab | 272460-01 | 339.75 | 3,600,000 |
| Effie | 62 | Unsewered / collection and treatment | 272621-01 | 457.55 | 1,202,000 |
| Elba | 193 | Unsewered Collection and Treatment | 272425-01 | 1.00 | |
| Elbow Lake - Division Street | 165 | Rehab and expand sewer system | 279446-01 | 75.00 | 100,000 |
| Elbow Lake - West Side | 194 | Rehab and expand sewer system | 279479-01 | 1.00 | 831,150 |
| Ellendale | 78 | Rehab and expand sewer system | 279447-01 | 400.00 | 960,000 |
| Ellsworth | 195 | Rehab Sewers I/I Reduction | 279448-01 | 1.00 | 300,000 |
| Elmore | 196 | Rehab/expand existing system | 272421-01 | 1.00 | 792,700 |
| Ely | 197 | Sewer rehab | 279370-01 | 1.00 | 1,405,000 |
| Essig | 198 | Unsewered Collection to Sleepy Eye | 272622-01 | 1.00 | 805,160 |
| Evansville | 176 | Sewer Rehab and Extension | 272623-01 | 10.00 | 200,000 |
| Faribault County - Guckeen | 23 | Unsewered, connect to Blue Earth | 279316-01 | 639.30 | 500,000 |
| Faribault County - Huntley | 7 | Unsewered, connect to Winnebago | 279350-01 | 774.50 | 1,697,000 |
| Floodwood | 199 | Sewer Extension - Business Park | 279449-01 | 1.00 | |
| Fountain | 54 | Rehab/expand existing system | 279411-01 | 475.00 | 823,171 |
| Fox Lake Improvement District | 91 | Unsewered / connect to Welcome | 272539-01 | 324.50 | 868,340 |
| Garrison/Kathio/W. Mille Lacs Sanitary District | 26 | Unsewered to Mille Lacs WWTP (area north from Wigwam | 271623-02 | 590.00 | 18,100,000 |

* Minnesota Rule Chapter 7070 is under revision. The SFY 2006 PPL is based on Chapter 7077 prior to revision.

**Appendix 4: Water Pollution Control Revolving Fund
SFY 2006 Project Priority List***

Alphabetical Order

| Project Name | Rank | Project Description | Project Number | Priority Points | Estimated Project Cost |
|-----------------------------|-------------|--|-----------------------|------------------------|-------------------------------|
| Gary | 43 | Unsewered /gravity sewers, subsurface trmt | 272459-01 | 503.90 | 1,743,000 |
| Gaylord - Sewer Extension | 200 | Service Extension to Unsewered Area | 272448-01 | 1.00 | |
| Gaylord - WWTP Improvements | 201 | Rehab/expand existing system | 272447-01 | 1.00 | |
| Gilbert | 146 | Rehab/expand existing system | 272306-01 | 135.00 | 1,300,000 |
| Gilbert - Sparta Location | 202 | Connect unsewered area to Gilbert | 272504-01 | 1.00 | 1,034,000 |
| Gonvick | 158 | Rehab/expand existing system | 271210-01 | 100.00 | 500,000 |
| Grand Marais | 94 | I/I correction | 272477-01 | 308.75 | 645,500 |
| Grand Rapids | 203 | Extension - Golf Course Road | 279451-01 | 1.00 | 2,352,134 |
| Granite Falls Phase 2 | 131 | Rehab/expand existing system | 272197-02 | 165.00 | 1,436,000 |
| Greenbush | 204 | Sewer Rehab | 279371-01 | 1.00 | 244,000 |
| Hamburg | 150 | Regionalize - Norwood/Young Am. | 279452-01 | 125.00 | 2,933,000 |
| Hampton | 205 | Rehab/expand existing system | 272532-01 | 1.00 | |
| Hancock | 47 | New Stabilization Ponds | 272437-01 | 497.00 | 1,910,286 |
| Harris | 65 | New Facility Discharge to Goose Creek | 272541-01 | 450.00 | 4,400,000 |
| Hatfield | 89 | Rehab. Existing system | 272625-01 | 325.00 | 515,000 |
| Hawley | 60 | Sewer Rehab | 279372-01 | 460.00 | 2,130,000 |
| Henning | 206 | I/I Correction | 272626-01 | 1.00 | 350,000 |
| Henriette | 57 | Corrective Action Project | 279455-01 | 469.00 | 965,536 |
| Hill City | 143 | Pond Rehab and Sewer System Exp. | 279417-01 | 142.00 | 1,660,000 |
| Hitterdal | 97 | Rehab/expand ponds, sewer extension | 272595-01 | 275.00 | 825,500 |
| Hokah | 123 | Rehab/expand existing system | 272400-01 | 187.50 | 1,930,000 |
| Howard Lake | 169 | Rehab/expand existing system | 279359-01 | 64.40 | 2,590,000 |
| Hudson Twsp. | 72 | Unsewered / connect to ALASD | 272565-01 | 415.35 | 2,980,000 |
| Hutchinson | 10 | Plant Upgrade for Increased Capacity | 279457-01 | 731.25 | 4,710,000 |
| Isle | 160 | I/I Correction & Sewer Extension | 279319-01 | 92.00 | 5,600,000 |

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**Appendix 4: Water Pollution Control Revolving Fund
SFY 2006 Project Priority List***

Alphabetical Order

| Project Name | Rank | Project Description | Project Number | Priority Points | Estimated Project Cost |
|--|-------------|---|-----------------------|------------------------|-------------------------------|
| Jackson County - Loon Lake | 84 | Unsewered / collection and treatment | 272554-01 | 357.00 | 417,500 |
| Judson Township | 76 | Unsewered / collection and treatment | 279320-01 | 401.00 | 1,080,000 |
| Kandiyohi County - Lake Florida Improvements | 46 | Unsewered Connect Green Lake SD | 279459-01 | 501.00 | 4,606,900 |
| Kent | 34 | Unsewered Connect to Abercrombie, ND | 279377-01 | 526.00 | 700,000 |
| Kimball | 207 | Rehab. Existing System | 272594-01 | 1.00 | |
| Knife River-Larsmont Sanitary District | 52 | Unsw,connect Larsmont Area to Duluth/N.Shore | 272438-01 | 481.50 | 9,000,000 |
| Koochiching County - Jackfish Bay Area | 29 | Unsewered / connect to International Falls | 272480-01 | 570.00 | 8,566,795 |
| La Crescent | 130 | Rehab/expand existing system | 272324-01 | 172.00 | 796,200 |
| La Salle | 4 | Unsewered / collection and treatment | 272589-01 | 800.00 | 1,658,500 |
| LaGrand/Moe Township | 82 | Unsewered / connect to ALASD | 279337-01 | 361.00 | 9,942,000 |
| Lake Lillian | 79 | Rehab existing ponds | 272599-01 | 400.00 | 240,000 |
| Lake of the Woods County - Wheeler's Point | 208 | Unsewered - ISTS restore, Cluster | 279475-01 | 1.00 | 3,000,000 |
| Lake Township (Warroad) | 19 | Unsewered / collection, connect to Warroad | 272474-01 | 665.50 | 7,237,603 |
| Lansing Twp 2 (Woodhaven, etc.) | 92 | Unsewered / collection and treatment | 279336-01 | 310.00 | 3,200,000 |
| Le Sueur and Henderson - MN Riv. Valley PUC | 73 | New Treatment System for Le Sueur and Henderson (2725 | 279464-01 | 411.25 | 12,280,000 |
| Lester Prairie | 6 | Rehab/expand existing system | 273003-01 | 781.25 | 5,800,000 |
| Lewiston | 3 | Rehab/expand existing system | 279379-01 | 870.00 | 2,700,000 |
| Lewisville | 20 | Corrective Action Project | 279460-01 | 665.00 | 1,390,046 |
| Lucan | 209 | Rehab/expand existing system | 272586-01 | 1.00 | |
| Madelia Phase 1 | 56 | Meet phos stds with bio-P, sludge improvements | 272612-01 | 471.68 | 954,350 |
| Madelia Phase 2 | 55 | Biosolids Facilities Improvements | 272612-02 | 471.68 | 3,800,000 |
| Mahnomen | 210 | Sewer Rehab | 279380-01 | 1.00 | 780,000 |
| Manchester | 11 | Unsewered / collection and treatment | 279321-01 | 731.00 | 840,243 |
| MCES - Blue Lake Groundwater Relief System | 41 | Construction - continuation | 272403-08 | 510.83 | 20,000 |
| MCES - Blue Lake Interceptor System Improv. | 112 | Planning/Design - continuation | 279356-04 | 205.00 | 164,000,000 |

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**Appendix 4: Water Pollution Control Revolving Fund
SFY 2006 Project Priority List***

Alphabetical Order

| Project Name | Rank | Project Description | Project Number | Priority Points | Estimated Project Cost |
|--|-------------|--------------------------------|-----------------------|------------------------|-------------------------------|
| MCES - Blue Lake Plant Improvements | 49 | Planning/Design - continuation | 279341-04 | 496.13 | 124,000,000 |
| MCES - Brooklyn Park Interceptor Rehab | 111 | Construction - new | 279382-01 | 205.00 | 14,000,000 |
| MCES - Chaska Lift Station | 113 | Planning/Design - new | 279383-01 | 205.00 | 8,900,000 |
| MCES - Dayton - Champlin Interceptor | 114 | Construction - new | 272546-05 | 205.00 | 9,200,000 |
| MCES - Elko-New Market Interceptor | 152 | Planning/Design - new | 279342-01 | 117.00 | 23,000,000 |
| MCES - Elm Creek/Northwest Hennepin | 132 | Construction - continuation | 272146-10 | 164.00 | 23,000,000 |
| MCES - Empire Service Area Capacity | 9 | Construction - continuation | 272547-06 | 731.25 | 59,550,000 |
| MCES - Hastings WWTP | 136 | Planning/Design - continuation | 272630-03 | 162.50 | 45,000,000 |
| MCES - Hopkins LS/FM Improvements | 133 | Planning/Design - continuation | 272493-04 | 164.00 | 41,300,000 |
| MCES - Lift Station L-12 Improv. | 115 | Planning/Design - continuation | 272629-03 | 205.00 | 4,330,000 |
| MCES - LS Sup. Control/Field Telemetry | 116 | Construction - continuation | 272544-06 | 205.00 | 1,500,000 |
| MCES - Mpls Int 1-Mn-320 Improvements | 117 | Construction - continuation | 272545-06 | 205.00 | 4,500,000 |
| MCES - Mpls/St. Paul Interceptor Improv. | 134 | Planning/Design - continuation | 272494-06 | 164.00 | 54,900,000 |
| MCES - MWWTP Centrifuge Dewatering | 35 | Construction - continuation | 279309-09 | 518.24 | 3,200,000 |
| MCES - MWWTP Disinfection System Modifications | 30 | Construction - new | 279384-01 | 563.75 | 9,265,000 |
| MCES - MWWTP Liquid Treatment | 36 | Construction - continuation | 272354-09 | 518.24 | 2,235,000 |
| MCES - MWWTP Process Control | 37 | Construction - continuation | 279302-09 | 518.24 | 1,400,000 |
| MCES - MWWTP Solids Processing Improv. | 38 | Construction - continuation | 272355-08 | 518.24 | 20,000,000 |
| MCES - MWWTP Space Utl./ Fac. Improv. | 31 | Planning/Design - new | 279435-01 | 563.75 | 8,800,000 |
| MCES - Northeast Interceptor Improvements | 101 | Planning/Design - continuation | 279343-03 | 256.25 | 210,800,000 |
| MCES - Northwest Interceptor Improv. | 118 | Planning/Design - continuation | 272628-03 | 205.00 | 113,600,000 |
| MCES - Riverview Siphon Improvements | 102 | Construction - new | 279344-03 | 256.25 | 9,050,000 |
| MCES - Rogers WWTP Expansion | 144 | Planning/Design - continuation | 272631-02 | 135.00 | 17,400,000 |
| MCES - Rosemount Interceptor | 139 | Planning/Design - continuation | 279308-10 | 156.25 | 21,700,000 |
| MCES - Seneca Disinfection and Phosphorus | 74 | Planning/Design - continuation | 279345-03 | 404.25 | 14,500,000 |

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**Appendix 4: Water Pollution Control Revolving Fund
SFY 2006 Project Priority List***

Alphabetical Order

| Project Name | Rank | Project Description | Project Number | Priority Points | Estimated Project Cost |
|---|-------------|---|-----------------------|------------------------|-------------------------------|
| MCES - So. St. Paul Forcemain | 119 | Planning/Design - new | 279386-01 | 205.00 | 17,300,000 |
| MCES - So. St. Paul Lift Station Improvements | 103 | Construction - continuation | 279346-03 | 256.25 | 3,600,000 |
| MCES - So. Washington Co Interceptor | 137 | Construction - continuation | 272356-09 | 162.50 | 22,000,000 |
| McGrath | 211 | Corrective Action Project | 279461-01 | 1.00 | 470,000 |
| Meadowlands | 212 | Rehab. Existing System | 279387-01 | 1.00 | |
| Medford | 140 | Rehab/expand existing system | 272114-01 | 155.00 | 4,564,000 |
| Menahga | 80 | Rehab/expand existing system | 272632-01 | 375.00 | 1,462,480 |
| Mentor | 2 | Unsewered / collection and treatment | 272592-01 | 900.00 | 1,847,053 |
| Milaca | 63 | Relocate Ponds Systems | 279462-01 | 456.25 | 8,828,000 |
| Miltona | 213 | Rehab Sewers Expand Pond | 279463-01 | 1.00 | 1,523,978 |
| Miltona Township | 68 | Unsewered / connect to ALASD | 272417-01 | 435.00 | 12,663,000 |
| Moose Lake | 154 | Replace forcemain | 272593-01 | 110.00 | 176,874 |
| Morgan | 170 | Rehab/expand existing system | 272557-01 | 52.00 | |
| Mountain Iron | 13 | Rehab existing treatment plant | 279347-01 | 710.00 | 525,000 |
| Murray County - Lake Shetek | 32 | Unsewered / collection and treatment | 272466-01 | 552.80 | 17,200,000 |
| Myrtle | 8 | Unsewered / collection and treatment | 279322-01 | 761.00 | 650,000 |
| Nashwauk | 159 | Sewer extension, expand existing system | 272537-01 | 99.40 | 2,759,150 |
| New York Mills | 71 | Rehab/expand existing system | 272202-01 | 415.65 | 4,027,770 |
| Northern Twsp. | 164 | Unsewered area | 272604-01 | 85.00 | 7,620,000 |
| Odessa | 161 | Rehab existing system | 279323-01 | 90.00 | 400,000 |
| Ormsby | 25 | Unsewered / collection and treatment | 272501-01 | 628.45 | 800,000 |
| Oronoco | 85 | Unsewered / collection and treatment | 272606-01 | 356.45 | 8,875,000 |
| Ortonville | 214 | Sewer Rehab and Extension | 279465-01 | 1.00 | 500,000 |
| Oslo | 147 | Rehab/expand existing system | 272412-01 | 135.00 | 736,000 |
| Ostrander | 124 | Corrective Action Project | 279466-01 | 187.50 | 794,000 |

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**Appendix 4: Water Pollution Control Revolving Fund
SFY 2006 Project Priority List***

Alphabetical Order

| Project Name | Rank | Project Description | Project Number | Priority Points | Estimated Project Cost |
|---|-------------|---------------------------------------|-----------------------|------------------------|-------------------------------|
| Ottertail | 66 | Unsewered | 272311-01 | 450.00 | 2,800,000 |
| Palisade | 215 | Sewer Rehab and Expansion | 279467-01 | 1.00 | 398,250 |
| Park Rapids | 216 | Treatment plant improvements | 272634-01 | 1.00 | 220,000 |
| Park Rapids - Fish Hook Lake | 217 | Service extension to unsewered area | 272556-01 | 1.00 | 1,350,000 |
| Parkers Prairie | 218 | Sewer Extensions and Improv. | 279389-01 | 1.00 | 644,000 |
| Pelican Group of Lakes Improvement Dist | 110 | Unsewered / collection and treatment | 272581-01 | 210.00 | 16,949,850 |
| Pelican Rapids | 219 | Sewer Rehab. | 279468-01 | 1.00 | 2,500,000 |
| Perham | 220 | Wastewater Infiltration Basins | 279390-01 | 1.00 | 600,000 |
| Perley | 221 | Rehab. Ponds | 279469-01 | 1.00 | 400,000 |
| Peterson | 222 | Construction of new WWTF | 279488-01 | 1.00 | 600,000 |
| Pillager | 126 | Expand existing ponds | 272635-01 | 184.00 | 700,000 |
| Plainview-Elgin SD | 83 | Expand WWTF install Bio-P | 279470-01 | 360.00 | 4,900,000 |
| Pope County - Lk Minnewaska/Lk Pelican | 155 | Unsewered area | 272573-01 | 102.25 | 15,250,000 |
| Princeton | 96 | Expand existing system | 271146-03 | 297.50 | 10,710,000 |
| Prinsburg | 33 | Unsewered / collection and treatment | 272414-01 | 546.50 | 2,944,000 |
| Proctor | 223 | Sewer rehab - 4th Street | 279391-01 | 1.00 | 147,000 |
| Quamba | 39 | Unsewered - connect to Mora | 272636-01 | 514.00 | 1,280,000 |
| Racine | 98 | Rehab/expand existing system | 272608-01 | 271.00 | 520,000 |
| Randolph | 163 | Unsewered / collection and treatment | 272584-01 | 85.00 | 3,715,600 |
| Rapidan Twsp | 224 | Unsewered, connect to Mankato | 279325-01 | 1.00 | 1,985,000 |
| Red Wing - Phase II | 127 | SCADA Systems & Digester Improvements | 273002-02 | 183.75 | 3,202,850 |
| Renville | 225 | Expand existing facility | 272365-01 | 1.00 | |
| Rice Lake Township | 100 | Unsewered / collection and treatment | 272538-01 | 258.75 | 4,892,926 |
| Richmond | 153 | Rehab/expand existing system | 272429-01 | 115.00 | 8,200,000 |
| Royalton | 141 | Expand existing system | 272637-01 | 144.00 | 1,000,000 |

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**Appendix 4: Water Pollution Control Revolving Fund
SFY 2006 Project Priority List***

Alphabetical Order

| Project Name | Rank | Project Description | Project Number | Priority Points | Estimated Project Cost |
|---|-------------|--|-----------------------|------------------------|-------------------------------|
| Rushmore | 22 | Rehab/expand existing system | 272375-01 | 650.00 | 740,600 |
| Rutledge | 58 | Unsewered / collection and treatment | 272569-01 | 463.00 | 1,292,000 |
| Seaforth | 226 | Unsewered, connect to Vesta | 279393-01 | 1.00 | 1,450,000 |
| Shafer | 174 | Expansion of WWTF and Install Bio-P | 279471-01 | 42.00 | 1,626,000 |
| Shelly | 151 | Pond improvements | 279394-01 | 125.00 | 205,000 |
| Sherburne County - Eagle Lake Area | 227 | Unsewered Collection and Treatment | 272497-01 | 1.00 | |
| Silver Creek Township - Castle Danger II | 228 | Unsewered, connect to existing system | 279408-01 | 1.00 | 3,609,000 |
| Silver Creek Township - Stewart River | 128 | Unsewered, connect to existing system | 272439-01 | 182.00 | 5,300,000 |
| Somerset Township - Hope | 21 | Unsewered area, collection and treatment | 279456-01 | 659.00 | 471,151 |
| St. Hilaire | 148 | Rehab/expand existing system | 272491-02 | 135.00 | 827,000 |
| St. Martin | 229 | Upgrading Ponds | 279396-01 | 1.00 | |
| St. Paul | 135 | Sewer Rehabilitation | 272381-01 | 164.00 | |
| St. Stephen | 90 | Unsewered / collection and treatment | 272552-01 | 324.80 | 9,518,000 |
| Staples | 175 | Sewer rehab | 272638-01 | 17.00 | 1,313,700 |
| Staples - Lakewood Health System Project Area | 230 | I/I correction and service extension | 279397-01 | 1.00 | 895,000 |
| Staples - Northside Project Area | 231 | I/I correction and service extension | 279398-01 | 1.00 | 1,400,000 |
| Steele County - Beaver Lake | 45 | Unsewered / collection and treatment | 279311-01 | 503.00 | 1,633,920 |
| Steen | 173 | Rehab/expand existing system | 272564-01 | 50.00 | 294,076 |
| Stephen | 81 | Rehab/expand existing system | 272496-01 | 375.00 | 988,000 |
| Sturgeon Lake | 69 | Unsewered / collection and treatment | 272568-01 | 426.00 | 4,265,674 |
| Thirty Lakes Watershed District | 232 | Unsewered Collection and Treatment | 272576-01 | 1.00 | |
| Tofte/Schroeder | 48 | Unsewered / collection and treatment | 272437-02 | 497.00 | 10,350,000 |
| Tower - Hoo-Doo Point Extension | 99 | Hoo-Doo Point sewer extension | 272639-01 | 264.00 | 627,300 |
| Tower - Sewer Replacement | 233 | Sewer replacement and I/I correction | 279399-01 | 1.00 | 490,000 |
| Tower - West T.H. 169 Extension | 234 | Sewer extension to West T.H. 169 | 279409-01 | 1.00 | 787,000 |

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**Appendix 4: Water Pollution Control Revolving Fund
SFY 2006 Project Priority List***

Alphabetical Order

| Project Name | Rank | Project Description | Project Number | Priority Points | Estimated Project Cost |
|---|-------------|---|-----------------------|------------------------|-------------------------------|
| Tower-Brietung Wastewater Board | 235 | Collection and treatment system improv. | 272308-01 | 1.00 | 2,327,300 |
| Twin Valley | 236 | Sewer rehab | 272641-01 | 1.00 | 1,100,000 |
| Two Harbors | 93 | Construct detention basin | 279401-01 | 308.75 | 2,154,174 |
| Upsala | 167 | Relocate outfall, replace lift station | 272642-01 | 75.00 | 550,000 |
| Urbank | 237 | Unsewered Collect and Treatment | 279474-01 | 1.00 | 962,500 |
| Verndale | 238 | I/I Correction | 279403-01 | 1.00 | |
| Villard | 239 | Sewering and Pond | 279404-01 | 1.00 | 2,898,286 |
| Villard Area Lakes Sanitary District | 240 | Unsewered / collection and treatment | 272645-01 | 1.00 | 6,452,744 |
| Walters | 61 | Unsewered / collection and treatment | 279331-01 | 459.50 | 1,041,800 |
| Wanamingo | 241 | Rehab/expand existing system | 272533-01 | 1.00 | 1,003,600 |
| Warroad | 17 | Rehab/expand existing system | 272473-01 | 675.00 | 3,715,294 |
| Watkins | 106 | Rehab/expand existing system | 279355-01 | 219.00 | 3,094,718 |
| Watsonwan County - Long Lake | 87 | Unsewered / collection and treatment | 272486-01 | 332.00 | 1,288,000 |
| Westbrook | 242 | Rehab/expand existing system | 272529-01 | 1.00 | |
| Western Lake Superior (WLSSD) - Flocculation Tank I | 14 | Flocculation Tank Improvements | 279436-01 | 707.55 | 4,900,000 |
| Western Lake Superior (WLSSD) - Vortex Grit Removal | 24 | Vortex grit removal | 279407-01 | 628.78 | 3,800,000 |
| Whalen | 243 | Unsewered / collection and treatment | 272605-01 | 1.00 | 1,012,550 |
| Wheaton | 171 | Sewer rehab, phase 2 | 272454-02 | 50.00 | 2,100,000 |
| Whitefield Twsp. - Svea | 244 | Unsewered Area connect to Blomkest | 279476-01 | 1.00 | |
| Winton | 245 | I/I Correction and Pond Expansion | 279406-01 | 1.00 | |
| Total Estimated Cost | | | | | 1,640,872,278 |

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Appendix 5:
Twin Cities Area Communities Served by Metropolitan Council
Environmental Services (MCES) *--- Total of 184 Communities ---*

| Community | Population (2000 U.S. Census) |
|------------------|--------------------------------------|
| Afton | 2,839 |
| Andover | 26,588 |
| Anoka | 18,076 |
| Apple Valley | 45,527 |
| Arden Hills | 9,652 |
| Bayport | 3,162 |
| Baytown Twp. | 1,533 |
| Benton Twp. | 939 |
| Bethel | 443 |
| Birchwood | 968 |
| Blaine | 45,014 |
| Blakeley Twp. | 496 |
| Bloomington | 85,172 |
| Brooklyn Center | 29,172 |
| Brooklyn Park | 67,388 |
| Burns Twp. | 3,557 |
| Burnsville | 60,220 |
| Camden Twp. | 955 |
| Carver | 1,266 |
| Castle Rock Twp. | 1,495 |
| Cedar Lake Twp. | 2,197 |
| Centerville | 3,202 |
| Champlin | 22,193 |
| Chanhassen | 20,321 |
| Chaska | 17,449 |
| Chaska Twp. | 154 |
| Circle Pines | 4,663 |
| Coates | 163 |

Appendix 5:

Twin Cities Area Communities Served by Metropolitan Council Environmental Services (MCES) --- Total of 184 Communities ---

| Community | Population (2000 U.S. Census) |
|-------------------|-------------------------------|
| Cologne | 1,012 |
| Columbia Heights | 18,520 |
| Columbus Twp. | 3,957 |
| Coon Rapids | 61,607 |
| Corcoran | 5,630 |
| Cottage Grove | 30,582 |
| Credit River Twp. | 3,895 |
| Crystal | 22,698 |
| Dahlgren Twp. | 1,453 |
| Dayton | 4,693 |
| Deephaven | 3,853 |
| Dellwood | 1,033 |
| Denmark Twp. | 1,348 |
| Douglas Twp. | 760 |
| Eagan | 63,557 |
| East Bethel | 10,941 |
| Eden Prairie | 54,901 |
| Edina | 47,425 |
| Elko | 472 |
| Empire Twp. | 1,638 |
| Eureka Twp. | 1,490 |
| Excelsior | 2,393 |
| Falcon Heights | 5,572 |
| Farmington | 12,365 |
| Forest Lake City | 14,440 |
| Fort Snelling | 442 |
| Fridley | 27,449 |

Appendix 5:

Twin Cities Area Communities Served by Metropolitan Council Environmental Services (MCES)

--- Total of 184 Communities ---

| Community | Population (2000 U.S. Census) |
|----------------------|-------------------------------|
| Gem Lake | 419 |
| Golden Valley | 20,281 |
| Grant | 4,026 |
| Greenfield | 2,544 |
| Greenvale Twp. | 684 |
| Greenwood | 729 |
| Grey Cloud Twp. | 307 |
| Ham Lake | 12,710 |
| Hamburg | 538 |
| Hampton | 434 |
| Hampton Twp. | 986 |
| Hancock Twp. | 367 |
| Hanover | 332 |
| Hassan Twp. | 2,463 |
| Hastings | 18,204 |
| Helena Twp. | 1,440 |
| Hilltop | 766 |
| Hollywood Twp. | 1,102 |
| Hopkins | 17,367 |
| Hugo | 6,363 |
| Independence | 3,236 |
| Inver Grove Heights | 29,751 |
| Jackson Twp. | 1,361 |
| Jordan | 3,833 |
| Lake Elmo | 6,863 |
| Lake St. Croix Beach | 1,140 |
| Lakeland | 1,917 |
| Lakeland Shores | 355 |

Appendix 5:

Twin Cities Area Communities Served by Metropolitan Council Environmental Services (MCES) --- Total of 184 Communities ---

| Community | Population (2000 U.S. Census) |
|-------------------------------|-------------------------------|
| Laketown Twp. | 2,331 |
| Lakeville | 43,128 |
| Landfall | 700 |
| Lauderdale | 2,364 |
| Lexington | 2,142 |
| Lilydale | 552 |
| Lino Lakes | 16,791 |
| Linwood Twp. | 4,668 |
| Little Canada | 9,771 |
| Long Lake | 1,842 |
| Loretto | 570 |
| Louisville Twp. | 1,359 |
| Mahtomedi | 7,563 |
| Maple Grove | 50,365 |
| Maple Plain | 2,088 |
| Maplewood | 35,258 |
| Marine on St. Croix | 602 |
| Marshan Twp. | 1,263 |
| May Twp. | 2,928 |
| Mayer | 554 |
| Medicine Lake | 368 |
| Medina | 4,005 |
| Mendota | 197 |
| Mendota Heights | 11,434 |
| Miesville | 135 |
| Minneapolis | 382,747 |
| Minnetonka | 51,102 |

Appendix 5:

Twin Cities Area Communities Served by Metropolitan Council Environmental Services (MCES) --- Total of 184 Communities ---

| Community | Population (2000 U.S. Census) |
|---------------------------------|-------------------------------|
| Minnetonka Beach | 614 |
| Minnetrista | 4,358 |
| Mound | 9,435 |
| Mounds View | 12,738 |
| New Brighton | 22,206 |
| New Germany | 346 |
| New Hope | 20,873 |
| New Market | 332 |
| New Market Twp. | 3,057 |
| New Scandia Twp. | 3,692 |
| New Trier | 116 |
| Newport | 3,715 |
| Nininger Twp. | 865 |
| North Oaks | 3,883 |
| North St. Paul | 11,929 |
| Norwood Young America | 3,108 |
| Oak Grove | 6,903 |
| Oak Park Heights | 3,777 |
| Oakdale | 26,653 |
| Orono | 7,538 |
| Osseo | 2,434 |
| Pine Springs | 421 |
| Plymouth | 65,894 |
| Prior Lake | 15,917 |
| Ramsey | 18,510 |
| Randolph | 318 |
| Randolph Twp. | 536 |
| Ravenna Twp. | 2,355 |

Appendix 5:

Twin Cities Area Communities Served by Metropolitan Council Environmental Services (MCES) --- Total of 184 Communities ---

| Community | Population (2000 U.S. Census) |
|--------------------|-------------------------------|
| Richfield | 34,310 |
| Robbinsdale | 14,123 |
| Rogers | 3,588 |
| Rosemount | 14,619 |
| Roseville | 33,690 |
| San Francisco Twp. | 888 |
| Sand Creek Twp. | 1,551 |
| Savage | 21,115 |
| Sciota Twp. | 285 |
| Shakopee | 20,568 |
| Shoreview | 25,924 |
| Shorewood | 7,400 |
| South St. Paul | 20,167 |
| Spring Lake Park | 6,772 |
| Spring Lake Twp. | 3,681 |
| Spring Park | 1,717 |
| St. Anthony | 8,012 |
| St. Bonifacius | 1,873 |
| St. Francis | 4,910 |
| St. Lawrence Twp. | 472 |
| St. Louis Park | 44,102 |
| St. Mary's Point | 344 |
| St. Paul | 286,840 |
| St. Paul Park | 5,070 |
| Stillwater | 15,323 |
| Stillwater Twp. | 2,553 |
| Sunfish Lake | 504 |

Appendix 5:

Twin Cities Area Communities Served by Metropolitan Council Environmental Services (MCES) --- Total of 184 Communities ---

| Community | Population (2000 U.S. Census) |
|----------------------------|-------------------------------|
| Tonka Bay | 1,547 |
| Vadnais Heights | 13,069 |
| Vermillion | 437 |
| Vermillion Twp. | 1,243 |
| Victoria | 4,025 |
| Waconia | 6,814 |
| Waconia Twp. | 1,284 |
| Waterford Twp. | 517 |
| Watertown | 3,029 |
| Watertown Twp. | 1,432 |
| Wayzata | 4,113 |
| West Lakeland Twp. | 3,547 |
| West St. Paul | 19,405 |
| White Bear Lake | 24,325 |
| White Bear Twp. | 11,293 |
| Willernie | 549 |
| Woodbury | 46,463 |
| Woodland | 480 |
| Young America Twp. | 838 |

Total Population of MCES Service Area: 2,633,609

Appendix 6: Survey Responses and Methodological Considerations

The projected wastewater infrastructure needs and capital costs contained in this report are intended to inform the ongoing discussion about the condition and future of Minnesota's public infrastructure. This information also may help frame discussion about the comparative roles and responsibilities of state and local governments in maintaining, investing in, and financing wastewater infrastructure.

Given the significance of these policy considerations, legislators and others making use of this report should be aware of certain factors that may affect the accuracy of survey information. Specifically, is it probable that future wastewater infrastructure needs and capital costs are *over-reported* or *under-reported* by the WINS survey and the Project Priority List (PPL)? As discussed below, a combination of the *variability of future cost estimates* and the *limited capability, resources and expertise of smaller communities* make it probable that this report *under-reports* future wastewater infrastructure needs and capital costs.

Variability of Future Cost Estimates

There is an inherent variability between estimates of future costs and the actual costs of infrastructure improvements. The timeframe from when a project need is first identified to construction completion consists of several phases:

1. Recognition of Need. The process may begin formally with infrastructure strategic planning, a capital improvement plan (CIP), infiltration/inflow analysis or a sewer system evaluation survey. Or it may begin with little more than a general recognition of a need (e.g., the collection system on the northwest side of town was constructed some time in the 1930s and will need to be rehabilitated or replaced within the next five to ten years – if not sooner.)
2. Facilities Planning. The next step is to develop a facilities plan (also known as a preliminary engineering report), initiate the process of environmental review and begin to secure funding for the project.
3. Plans and Specifications. The approval of a facilities plan (the MPCA and Rural Development of the U.S. Department of Agriculture review and approve facilities plans in Minnesota) the completion of environmental review and securing of funding commitments is followed by the development of construction plans and specifications.
4. Bidding and Construction. In every major construction project, there are risks of unforeseen conditions that alter the total cost of the project.

Cost estimates for future projects reported to the WINS survey and the PPL are at all different phases in this life-cycle of an infrastructure project. This increases the variability of future cost estimates. Also, based on anecdotal information, costs generally increase from initial estimates to construction (even adjusted for present value). Without additional research, it is unclear whether this is a routine occurrence that contributes to the under-reporting of future infrastructure costs.

Appendix 6: Survey Responses and Methodological Considerations

Community Capabilities, Resources and Expertise

The accuracy of future cost estimates for wastewater infrastructure projects are significantly affected by the availability of resources and expertise to:

1. Effectively monitor, survey and track the condition of existing infrastructure and ascertain the need for rehabilitation and replacement;
2. Engage in strategic planning to address growth and expanding capacity needs; and
3. Estimate project costs, including assessment of architectural and engineering specifications, construction cost planning and project administration.

While there are exceptions, the *capability* of a community or sanitary district to accurately estimate the future costs of wastewater treatment depends on resources and expertise. This is, in turn, dependent upon the size of the community or sanitary district — the number of connections — and the opportunity for economies of scale.

Consider, for example, the difference in capability characteristic of a city of 300 residents as compared to the state's largest wastewater entities, Metropolitan Council Environmental Services (MCES) and the Western Lake Superior Sanitary District (WLSSD). MCES and WLSSD have extensive capabilities to track the condition of existing infrastructure and ascertain the need for rehabilitation and replacement over time frames extending to 20 years and longer and to develop extensive strategic and capital improvement plans based on professional evaluations and itemizations of project costs. In contrast – and although there are notable exceptions – a city of 300 tends to be fortunate if it can locate an accurate and comprehensive map of its collection sewer system or afford a professional evaluation of the condition and remaining useful life of its treatment facilities.

In general, as the population of a community or sanitary district service area exceeds 1,000 residents, capital improvement planning for wastewater infrastructure becomes more feasible. For smaller communities not faced with an immediate and critical need, exercising the administrative and institutional capabilities and acquiring the resources and expertise necessary for infrastructure surveying and planning tends to be problematic. The probable result of this situation is that the future needs (i.e., 5-10 years and 10-20 years) of communities with populations of less than 1,000 tend to be significantly *under-reported* in the WINS survey.