The Metropolitan Council Environmental Services (MCES) Division of the Metropolitan Council owns, operates, and maintains the regional wastewater collection and treatment system. It also supports water quality and sustainability through monitoring activities and planning.

MCES is nationally renowned for these efforts. The following is a summary of performance and activities.

For more information, visit www.metrocouncil.org/Wastewater-Water.aspx

### MCES BY THE NUMBERS

- 600+ employees
- $7B in assets
- $140M annual capital program

### MCES CUSTOMERS

- 7-county metro area
- 109 communities
- 2.6 million people
- 800+ industrial permit holders

### WHAT MCES DOES

- Protect public health and the environment through reliable and effective wastewater collection and treatment.
- Foster economic growth in the region by maintaining low service rates through efficient operations and smart planning.
- Collaborate with customers, stakeholders and partners to provide excellent wastewater collection and treatment services.

### HEALTH, SAFETY & ENVIRONMENT

- preserve environmental resources for future generations
- Comply with environmental regulations
- Collect and treat wastewater safely, with minimal backups, spills, and traffic impacts

### MISSION: Provide wastewater services and integrated planning to ensure sustainable water quality and water supply for the region.

### VISION: Be a valued leader and partner in water sustainability.

MCES implements a variety of strategies to meet its mission, including: monitoring and analyzing water quality of the region’s lakes and rivers; partnering with public, private and nonprofit groups to improve water quality; and assisting with watershed planning and management.

MCES’s work is guided by Thrive MSP 2040, the metropolitan development guide, and the 2040 Water Resources Policy Plan. The updated policy plan embraces an integrated approach to water supply, water quality, and wastewater treatment. It also emphasizes collaboration with state and local governments, and other partners.

### CUSTOMER SERVICE

- Minimize odor, traffic, noise, and visual impact
- Coordinate with other governments
- Meet capacity needs

### FINANCIAL STEWARDSHIP

- Responsibly manage wastewater infrastructure
- Optimize operations to save costs and energy
- Maintain fair, equitable, transparent, service fees
HOW MCES LIVES ITS VALUES

Pursue EXCELLENCE by encouraging innovation and continuous improvement; and striving for outstanding performance.

Embrace INCLUSIVENESS by recognizing that everyone contributes to the success of the organization.

Demonstrate INTEGRITY by meeting high ethical standards, building trust and being transparent to its stakeholders.

Foster RESPECT by listening and encouraging understanding and honesty in how its employees treat each other.

Demonstrate COMMITMENT to the mission, to meeting customer needs, and to being an engaged and accountable workforce.

SUSTAINABLE COMMUNITIES

MCES coordinates with partners to conserve and use the region’s groundwater and surface water in ways that protect public health, support economic growth and development, maintain habitat and ecosystem health, and provide recreational opportunities, which are essential to our region’s quality of life.

A RECORD OF ENVIRONMENTAL STEWARDSHIP

MCES wastewater treatment plants perform at a high level, achieving outstanding compliance with federal and state clean water discharge permits. Two treatment plants—Hastings and St. Croix Valley—are among the top 8 plants in the country for consecutive years of full compliance with their permits (27 and 26 years, respectively), earning them top national awards.

ADMINISTERED $2 MILLION IN STORMWATER MANAGEMENT GRANTS

Five cities received a total of $1 million to build nature-based, green infrastructure to manage stormwater: South St. Paul, Roseville, Crystal, West St. Paul, and New Hope.

Six organizations received a total of $1 million for eight projects to incorporate stormwater management into new or existing facilities: Rice Creek Watershed District, Mississippi Watershed Management Organization, Lower Mississippi River Watershed Management Organization, Shingle Creek Watershed Management Organization, Coon Creek Watershed District, and Carver County Watershed Management Organization.

CONSERVING ENERGY AND DEVELOPING SOLAR CAPACITY

MCES seeks opportunities to reduce energy consumption and improve the environmental sustainability of its operations. These efforts reduce operating costs and enhance regional sustainability. Cumulative investments in energy efficiency and energy recovery save more than 150,000 million BTUs in energy purchases every year—saving more than $3.5 million annually for customers.

MCES plans additional energy efficiency projects by 2020, aiming to save another $1 million in annual energy costs. MCES also advances clean, renewable energy in the region by subscribing to community solar gardens and other solar facilities—located both on and off Metropolitan Council-owned land. In total, MCES has more than 17 megawatts of solar capacity under contract. In 2018, the Council and MCES will begin a new partnership agreement with Xcel Energy to make all electricity purchases 100% renewable by 2040.

BUILDING PARTNERSHIPS

Formed the Twin Cities Water Monitoring and Data Assessment Group to share water-related information with metro-area organizations.

Partnered with state agencies to support Gov. Mark Dayton’s 25 by 25 Water Quality Initiative, a collaborative, statewide water quality improvement effort.

Explored water conservation opportunities with the University of Minnesota.

Investigated potential alternatives for water supply, enhanced groundwater recharge, and stormwater capture and reuse with several subregional work groups.

Developed a water conservation grant program with stakeholder input, and awarded $558,000 in grants to 19 communities.

Studied groundwater and surface water interaction in the northeast metro area with the U.S. Geological Survey and local stakeholders.

Coordinated activities of the Metro Area Water Supply Advisory Committee and its Technical Advisory Committee.

Provided four training workshops for cities on local water supply and surface water planning.
SUSTAINABLE SERVICES

MCES is a high performing organization, with an engaged and innovative workforce that is competent, motivated, and diverse. MCES also fosters an environment of continuous improvement.

2017 EMPLOYEE SNAPSHOT

656 Budgeted full-time equivalents
605 Headcount
49 Average employee age
40 Retirements
7 Labor unions
2.1% voluntary turnover rate

WORKFORCE OUTREACH

MCES continued implementing its 2016-2020 Workforce Plan.

Increased focus on outreach to disadvantaged communities to increase interest in water, engineering and environmental careers.

Staff attended dozens of events and career-related sessions, to help MCES improve recruitment and outreach efforts, particularly as the region grows more racially and ethnically diverse in the future.

WORKFORCE SAFETY

In 2017, MCES worked to improve safety measures.

47% decrease in recordable incidents (9 in 2017 vs. 17 in 2016)
37% decrease in lost-time accidents (5 in 2017 vs. 8 in 2016)
9% increase in lost/restricted time (473 days in 2017 vs. 433 in 2016)

WORKFORCE DEVELOPMENT

MCES encourages and supports employee growth.


$269K Investment on employee development and registration fees in 2017

28 Employees graduated from the Project Management Development Program (2013-2017)
SUSTAINABLE INFRASTRUCTURE

MCES ensures reliable, affordable wastewater infrastructure that provides the best long-term regional value.

BY THE NUMBERS

<table>
<thead>
<tr>
<th>632 miles of sewer pipe</th>
<th>216 Wastewater flow meters</th>
</tr>
</thead>
<tbody>
<tr>
<td>62 Lift stations</td>
<td>8 Wastewater Treatment plants</td>
</tr>
</tbody>
</table>

WHY IT’S IMPORTANT TO KEEP THE WASTEWATER SYSTEM IN GOOD REPAIR

- Protect public health
- Protect the environment
- Protect other infrastructure

2017 SEWER REHABILITATION LOCATIONS

REGIONAL SEWERS

<table>
<thead>
<tr>
<th>Blaine</th>
<th>Minnetonka</th>
<th>Saint Paul</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bloomington</td>
<td>Minnetrista</td>
<td>Shakopee</td>
</tr>
<tr>
<td>Brooklyn Park</td>
<td>Mound</td>
<td>Shoreview</td>
</tr>
<tr>
<td>Chanhassen</td>
<td>Mounds View</td>
<td>Vadnais Heights</td>
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<tr>
<td>Fridley</td>
<td>New Brighton</td>
<td>Wayzata</td>
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<tr>
<td>Maplewood</td>
<td>Orono</td>
<td>White Bear Lake</td>
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<tr>
<td>Minneapolis</td>
<td>Richfield</td>
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</tbody>
</table>

WASTEWATER TREATMENT PLANTS

| Empire | Seneca | Metro |

LIFT STATIONS

<table>
<thead>
<tr>
<th>Chaska</th>
<th>Hopkins</th>
<th>Shorewood</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystal</td>
<td>Mound</td>
<td></td>
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</tbody>
</table>

METERING STATIONS

<table>
<thead>
<tr>
<th>Blaine</th>
<th>Greenwood</th>
<th>North St. Paul</th>
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</thead>
<tbody>
<tr>
<td>Coon Rapids</td>
<td>Maplewood</td>
<td>Orono</td>
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<tr>
<td>Crystal</td>
<td>Medicine Lake</td>
<td>Saint Paul</td>
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<td>Fridley</td>
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<tr>
<td>Golden Valley</td>
<td>New Brighton</td>
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</tbody>
</table>

FOR MORE INFORMATION

See additional construction project info and the capital improvement program budget at: metrocouncil.org/Wastewater-Water/projects.aspx
MCES keeps its rates competitive. Compared to other similarly sized U.S. wastewater utilities, its rates are in the lower 40%.

MCES wastewater service charges in the metro area are approximately $24 a month per household.

2017 REVENUE TOTAL: $271.5 M

- 78.0% Municipal wastewater charges
- 14.5% SAC Transfer
- 5.2% Industry specific charges
- 2.3% Other

2017 EXPENSES TOTAL: $263.0 M

- 49.8% Debt Service & PAYGO
- 23.6% Labor
- 5.0% Interdivisional
- 21.6% Non-Labor
- 21.6% Non-Labor

2017 REVENUE: $271.5 MILLION

- Municipal Wastewater Charges: $211.9 million
- Sewer Availability Charge (SAC) Transfer: $39.4 million
- Industry Specific Charges: $14.0 million
- Other: $6.2 million

2017 EXPENSES: $263.0 MILLION

- Debt Service and Pay-as-You-Go (PAYGO): $131.0 million
- Labor: $62.1 million
- Non-Labor: $56.9 million
- Interdivisional: $13.0 million