Welcome
to Hannibal’s Stormwater Utility

Our Stormwater Mission
Our core stormwater management goals are to ....
- Sustainably manage the City’s stormwater infrastructure now and into the future
- Mitigate flooding
- Reduce pollution in our creeks and rivers
- Protect natural resources in our watershed
- Enhance our community’s safety and health

We have taken on stormwater management responsibility
With your support our additional role is to....
- Maintain and operate a complex drainage system
- Rehabilitate and improve our drainage system
- Comply with all State and Federal stormwater regulatory requirements
- Collaborate with community partners

To Sustain a Beautiful and Safe Hannibal
It takes....
- Community awareness and support
- Cost effective, sustainable and dedicated funding
- Fair and equitable approach to recovering costs
- Comprehensive stormwater management program

Water is Life, Let’s Protect our Waters
Why adopt a Stormwater User Charge?

Stormwater Management Needs
The HBPW has now taken on the responsibility for stormwater management in the City. The stormwater system requires maintenance, repair, enhancements and replacement to meet existing and future needs, including flood mitigation and water quality protection. We need dedicated resources to meet the City’s stormwater management needs.

The HBPW is also subject to the requirements of the Federal Clean Water Act and is required to maintain and manage stormwater discharges in accordance with permit requirements.

Equity and Fairness
HBPW has now taken on the role of stormwater management without any associated funding. Hence, we now have to establish a fair, sustainable, and dedicated funding mechanism. The stormwater user charge provides a fair funding mechanism.

Key Benefits
- Provides a dedicated funding source for stormwater management.
- Provides the ability to use impervious area as the basis for assessing the stormwater charge
- Fair approach as properties will pay in proportion to the amount of impervious area that exists on a property
- Offers fee reduction opportunities to properties that implement stormwater management practices which go above and beyond local ordinance requirements.

Water is Life, Let’s Protect our Waters
We have developed a sound financial plan based on a thorough review of system needs and regulatory requirements.

<table>
<thead>
<tr>
<th>Line No.</th>
<th>Description</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
<th>2023</th>
<th>2024</th>
<th>2025</th>
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<tbody>
<tr>
<td></td>
<td><strong>Revenues</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>1</td>
<td>Total Revenue from SW User Charge</td>
<td>0</td>
<td>0</td>
<td>3,175,300</td>
<td>3,464,000</td>
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<td>Loan from Electric Utility</td>
<td>400,000</td>
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<td>Interest income</td>
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<td>400</td>
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<td>1,600</td>
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<td>Total Revenues</td>
<td>400,700</td>
<td>1,200,000</td>
<td>3,175,700</td>
<td>3,465,300</td>
<td>3,465,600</td>
<td>3,465,700</td>
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<td></td>
<td><strong>Revenue Requirements</strong></td>
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<td></td>
<td></td>
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<td>5</td>
<td>Operation &amp; Maintenance Expenses</td>
<td>897,000</td>
<td>1,180,800</td>
<td>1,350,900</td>
<td>1,604,600</td>
<td>1,309,500</td>
<td>1,325,600</td>
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<td>Uncollected Revenues</td>
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<td>214,956</td>
<td>234,500</td>
<td>225,743</td>
<td>216,986</td>
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<td>Total Debt Service</td>
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<td>120,000</td>
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<td>294,100</td>
<td>892,100</td>
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<td>Cash Financing of Capital Projects</td>
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<td>0</td>
<td>1,066,400</td>
<td>1,231,000</td>
<td>1,001,200</td>
<td>1,750,000</td>
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<td>Total Revenue Requirements</td>
<td>937,000</td>
<td>1,300,800</td>
<td>2,928,356</td>
<td>3,346,200</td>
<td>3,428,543</td>
<td>3,470,686</td>
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<td>Net Balance</td>
<td>(536,300)</td>
<td>(100,800)</td>
<td>(247,344)</td>
<td>(261,100)</td>
<td>(37,057)</td>
<td>(4,986)</td>
<td>33,429</td>
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<td>Beginning Fund Balance (a)</td>
<td>600,000</td>
<td>63,700</td>
<td>(37,100)</td>
<td>210,244</td>
<td>311,344</td>
<td>348,401</td>
<td>343,415</td>
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<td>End of Year Balance</td>
<td>63,700</td>
<td>(37,100)</td>
<td>210,244</td>
<td>311,344</td>
<td>348,401</td>
<td>343,415</td>
<td>376,844</td>
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</table>

(a) Beginning Fund Balance for FY19 reflects estimated funds from electric utility loan as of July 1, 2018.

How did we determine the Stormwater User Charge?
The Stormwater User Charge is calculated by taking the total revenue requirements divided by total billable stormwater billing units.

\[
\text{ANNUAL STORMWATER REVENUE REQUIREMENTS} \div \text{BILLABLE STORMWATER BILLING UNITS (Units of Service)} = \text{STORMWATER USER FEE RATE ($/Stormwater Billing Unit)}
\]

Water is Life, Let’s Protect our Waters
What is Impervious Area?

Impervious area refers to hardscaped or compacted surface that restricts stormwater from being absorbed into the ground at the same rate natural surfaces such as grass and wooded areas do, causing an increase in stormwater runoff.

Examples of impervious surface include buildings, sheds, patios, decks, porches, driveways, loading docks, parking lots, sidewalks, compacted clay and gravel, and other similar non-porous areas. The more impervious area a property has, the more stormwater will runoff into the stormwater drainage system.

What is a SWU?

The monthly Stormwater User Charge will be based on Stormwater Units (SWU). One SWU is equivalent to 500 sq. ft. of impervious area. SWUs will be calculated for each property within the City of Hannibal.

How are SWUs determined for my parcel?

For residential customers, a parcel’s total impervious area is computed based on (i) actual footprint of the building, plus (ii) calculated allowance for estimated impervious area due to driveways, patios, etc.

For non-residential customers, a parcel’s total impervious area is computed based on (i) actual footprint of the building(s), plus (ii) a runoff coefficient of 50% applied to the remaining parcel area.

For parcels with no building footprint, the impervious area is computed based on a runoff coefficient of 15% applied to the total parcel lot size.

Water is Life, Let’s Protect our Waters
Proposed Stormwater User Charge

The stormwater user charge is scheduled to appear on utility bills from HBPW beginning in July of 2020. Each parcel’s monthly charge will depend upon the estimated amount of impervious area measured in square feet. The proposed rates are described below.

Rate Structure

For every parcel, the charge will be individually calculated based on parcel specific impervious area (IA)

Stormwater Rate = $1.39 per 500 square feet of Impervious Area
Once fully implemented, the utility will raise $2.9-3.4 million each year to improve the City’s stormwater system, including the failing infrastructure shown below.