

GREENE » FORWARD

Clean, soft, reliable water.



What It Is

Greene County Sanitary Engineering is upgrading the water and sewer system across its service area to soften and enhance water quality and increase system reliability. Called Greene Forward, these program improvements will be built over the next five to seven years.

Why We are Doing It

Like many areas, Greene County has aging infrastructure, hard water and growing demand. **Greene Forward will upgrade and add new facilities to keep delivering clean water and sewer services for the next generation.**

In short, we worry so you don't have to. Customers get clean, soft water from their tap, can flush and forget, and be confident treated water helps preserve our rivers.

How We are Doing It

The first phase will build and connect new water mains and wells, rehabilitate pump stations, replace residential and commercial water meters and expand a water treatment plant. The second phase will expand wastewater treatment facilities and upgrade the sewer collection system.



27,000
customer
accounts

managed across the Greater
Greene County region



5 billion+
gallons of
wastewater

collected and treated in 2020



2 billion+
gallons of
drinking
water

treated and provided in 2020



Water system improvements so customers get clean, soft water from their tap

Project	Benefits	Timeline
<p><i>New Wellfield</i> Develop a 57-acre wellfield capable of providing 3- to 5-million gallons of water per day</p>	<ul style="list-style-type: none"> • Adds additional capacity for current and future water demands • Increases level of redundancy and operational flexibility (like an insurance policy if something goes wrong) 	<p><i>Design mid-2021, completion late 2023</i></p>
<p><i>Well Network Optimization</i> Upgrade and extend the county's existing well network</p>	<ul style="list-style-type: none"> • Extends the useful life and capacity of existing well network 	<p><i>Ongoing</i></p>
<p><i>Water Metering System Upgrade</i> Install advanced customer water metering systems</p>	<ul style="list-style-type: none"> • Provides more convenient, remote meter access • Adds more customer-friendly features (an app to track usage trends, detect leaks and receive text alerts) 	<p><i>Installations start late 2021, completion late 2022</i></p>
<p><i>Water Treatment Plant Upgrade</i> Expand the existing water treatment plant to provide 12 million gallons of softened water per day</p>	<ul style="list-style-type: none"> • Adds softened water, which means reduced monthly softening expenses • Expands capacity to meet current and future water demands • Increases level of redundancy and operational flexibility (it's like an insurance policy) 	<p><i>Design underway, completion late 2023</i></p>
<p><i>Booster Station and Transmission Line Improvements</i> Increase system durability and expand water distribution</p>	<ul style="list-style-type: none"> • Connects areas currently served by Montgomery County and Dayton to GCSED water • Reduces operating costs which offsets this capital expense 	<p><i>Design underway, completion mid-late 2023</i></p>
<p><i>Asset Management Implementation</i> Implement a data-based decision-making system to proactively assess, track and replace water system assets</p>	<ul style="list-style-type: none"> • Maintains what we have, more efficiently, proactively • Increases reliability • Decreases emergency outages 	<p><i>Ongoing</i></p>
<p><i>Capital Improvement Plan</i> Upgrade or replace aging or inadequate water lines</p>	<ul style="list-style-type: none"> • Identifies and schedules fixes to small problems before they become big problems 	<p><i>Ongoing</i></p>



Sewer system improvements so customers can flush and forget

Project	Benefits	Timeline
<p>Lift Station Elimination Project Three outdated sewage lift stations and replacing them with a gravity sewer</p>	<ul style="list-style-type: none"> • Adds more reliable, cost-effective sewage collection services • 60% funded by Department of Commerce 	<p><i>Design early 2021, completion late 2022</i></p>
<p>Clifton Wastewater Treatment Plant Upgrade Replace plant infrastructure to increase facility serviceable life by 20 years</p>	<ul style="list-style-type: none"> • Improves reliability • Provides more cost-effective wastewater treatment services 	<p><i>Design late 2021, completion early 2023</i></p>
<p>Beavercreek, Cedarville and Sugarcreek Water Resources Recovery Facility Upgrade Replace plant infrastructure to increase facility serviceable life by 20 years</p>	<ul style="list-style-type: none"> • Improves reliability • Provides more cost-effective wastewater treatment services 	<p><i>Begin design 1st plant mid-late 2022, completion of all plants 2027</i></p>
<p>Inflow and Infiltration Abatement Program Remove excess water sources from the sewer collection system</p>	<ul style="list-style-type: none"> • Reduces sewer overflows and basement back-ups • Reduces costs to treat wastewater 	<p><i>Start in 2022</i></p>
<p>Biosolids Management Program Evaluate sustainable solutions for wastewater treatment biosolids</p>	<ul style="list-style-type: none"> • Explores shift from a treat and dispose method to a recycle and renewable energy approach 	<p><i>TBD</i></p>
<p>Asset Management Implementation Implement a data-based decision-making system to proactively assess, track and replace sewer system assets</p>	<ul style="list-style-type: none"> • Maintains what we have, more efficiently, proactively • Increases reliability • Decreases emergency outages 	<p><i>Ongoing</i></p>
<p>Capital Improvement Plan Upgrade or replace sewer lines</p>	<ul style="list-style-type: none"> • Identifies and schedules fixes to small problems before they become big problems 	<p><i>Design underway, completion late 2023-2024</i></p>

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