

Project Overview:

Our role in the community



The Jackson County Utility Authority, or JCUA, was created in 2006 following Hurricane Katrina. The critical objectives of combining water and wastewater services under one organization were to promote resilience in the event of a disaster, improve the quality of the natural environment, and improve the planning and delivery of quality water and wastewater -- also referred to as water reclamation -- services across Jackson County.

JCUA is currently partnering with a team of engineers and other experts to plan and construct a new water reclamation facility, officially called the East Jackson County Consolidated Water Reclamation Facility, or EJCCWRF. This is the first in a series of information sheets to understand more about JCUA, the key benefits of that multi-year project, and find links to additional resources.

What does JCUA do?

JCUA operates 32 pump stations, 4 water treatment/reclamation facilities, and approximately 100 miles of piping systems to serve the needs of over 125,000 residents and customers across Jackson County. Each part of the overall system plays a critical role in treating and reclaiming wastewater so it can be returned to the environment, all while protecting public health and water quality.

Wastewater from homes, industries, schools, businesses, storm runoff, and groundwater arrives at one of the water reclamation facilities after traveling through miles of piping and one or more pump stations. All JCUA facilities, pump stations, and other infrastructure are managed and maintained by trained JCUA operators who monitor operations and verify that system operating parameters and environmental standard are met. See the [What's Inside a Water Reclamation Facility](#) information sheet to learn more about typical treatment processes.

JCUA water reclamation facilities use a multi-step process designed to remove contaminants and meet all relevant environmental regulations to protect local water quality. Following successful treatment, water is discharged into nearby waterways, including the Pascagoula River, Escatawpa River, West Pascagoula River, and the Bayou Costapia.

A dewatered sludge, referred to as biosolids, is also generated during the treatment process and is transported to the West Jackson County Facility land application site, which is used to grow Bermuda grass that is harvested as hay and sold as feed for livestock.

JCUA Facilities (see map on page 2)

- 1. Pascagoula-Moss Point Regional Water Reclamation Facility** treats wastewater from the Cities of Pascagoula and Moss Point, and industrial areas. Capacity: up to 10 million gallons of wastewater a day.
- 2. Escatawpa Regional Water Reclamation Facility** treats wastewater from the Cities of Escatawpa and Moss Point and rural areas of Jackson County. Capacity: up to 3 million gallons of wastewater a day.
- 3. Gautier Regional Water Reclamation Facility** treats wastewater from the city of Gautier. Capacity: up to 4 million gallons of wastewater a day.
- 4. West Jackson County Regional Land Treatment Facility** treats wastewater from the Cities of Ocean Springs, Fountainbleau, and St. Martin and the Vancleave area. Capacity: up to 7 million gallons per day.

Learn More about the Project

The design and construction of the new facility is in the early stages. Visit the project website to learn more about the benefits and participate in the planning of our future wastewater needs.

Did You Know?

An average of 11 million gallons of wastewater passes through the JCUA system each day – that's about 100 gallons of wastewater per person, each day.

Where are JCUA's facilities & how will the proposed new East Jackson County Consolidated Water Reclamation Facility affect operations?

The map below highlights the locations of the four existing treatment/reclamation facilities and the various pump stations that keep wastewater flowing from homes and businesses to the treatment plants.

The future East Jackson County Consolidated Water Reclamation Facility would consolidate operations of:

- the Pascagoula-Moss Point Regional Wastewater Treatment Facility (#1)
- the Escatawpa Regional Wastewater Treatment Facility (#2), and
- the Gautier Regional Wastewater Treatment Facility (#3) at one location.

The new East Jackson County Consolidated Water Reclamation Facility (EJCCWRF) would be capable of treating an average of 20 million gallons a day, and would reduce demands on the West Jackson County facility (#4), which is nearing treatment capacity and doesn't have ability to expand.

