

WASTEWATER REUSE

STATE PROGRAM: Louisiana Department of Environmental Quality

ASSISTANCE RECIPIENT: Town of Homer

ASSISTANCE AMOUNT: \$464,492



PROJECT DESCRIPTION

Located in Northern Louisiana near the Arkansas border, the Town of Homer is home to 3,200 people. The Town owns and operates a 1.34 MGD wastewater treatment plant and accompanying collection system and discharges into Bayou D'Arbonne. The Town's assets also include a 43-acre municipal golf course. Using \$464,492.50 in CWSRF funds, the Town constructed a 200,000 gallon water tank to hold reclaimed wastewater, which can be delivered through a new force main, for irrigating the golf course. By using the reclaimed wastewater, Homer can reduce its withdrawals from the Sparta aquifer, preserving this source for the fourteen parishes that rely on it for drinking water. Prior to this resource-conserving project being implemented, the aquifer was being drained at an unsustainable pace. In addition to reducing pressure on the aquifer withdrawals, the Town will reduce costs by avoiding withdrawals.

To read more about this case study, please visit https://www.epa.gov/sites/default/files/2017-11/documents/pisces_compendium_final2.pdf.