

Statement of Qualifications

Routine Engineering Services for Sewerage Projects

Resolution No. 138812

Submitted to the Jefferson Parish Council
March 25, 2022



GreenPoint
ENGINEERING

701 Loyola Avenue, Suite 801
New Orleans, LA 70113
(504) 708-2020

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Routine Engineering Services for Sewer Projects
Resolution No. 138812

B. Firm Name & Address:

GreenPoint Engineering
701 Loyola Avenue, Suite 801
New Orleans, LA 70113

C. Name, title and contact information of Principal, as defined in Section 2-926 of the Jefferson Parish Code of Ordinances, who is a registered, licensed architect, professional engineer, or surveyor in the State of Louisiana:

Amer Tufail, PE, Principal

701 Loyola Avenue, Suite 801
New Orleans, LA 70113

504-708-2020 x 101 (office) / 504-266-9875 (mobile)
amer@greenpoint-e.com

D. Name and contact information of employee who is a registered and licensed architect, professional engineer, or surveyor in the State of Louisiana in the applicable discipline. A subcontractor may be substituted here only if the advertised Project requires more than one discipline.

Amer Tufail, PE, Principal (LA Professional Engineer 29667)

701 Loyola Avenue, Suite 801
New Orleans, LA 70113

504-708-2020 x 101 (office) / 504-266-9875 (mobile)
amer@greenpoint-e.com

E. Please provide the number of employees whose primary function corresponds with each category:

1 Administrative	Estimators	Specification Writers
Architects (Licensed)	Geologists	Structural Engineers
Chemical Engineers	Geotechnical Engineers	Graduate Engineers
4 Civil Engineers	Interior Designers	Project Managers
1 Construction Inspectors	Landscape Architects	Clerical
Ecologists	Land Surveyor	Grant/Funding Specialist
Electrical Engineers	Mechanical Engineers	Sanitary Engineers
1 Engineer Intern	1 Environmental Engineers	
Professional Land Surveyors		8 TOTAL

F. Is this submittal by a JOINT-VENTURE? Please check: YES ☐ NO ☒

If marked "No" skip to Section I. If marked "yes" complete Sections G-H.

TEC Professional Services Questionnaire

G. If submittal is by JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary.

1.
Not applicable

2.
Not applicable

H. Has this JOINT-VENTURE previously worked together? Please check:
YES ☐ NO ☐

I. List all subcontractors anticipated for this Project. Please note that all subcontractors must submit a fully completed copy of this questionnaire, applicable licenses, and any other information required by the advertisement. See Jefferson Parish Code of Ordinances, Sec. 2-928(a)(3). Please attach additional pages if necessary.

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1. GreenPoint will propose subcontractors if necessary to match the specific needs of assigned projects.		
2.		
3.		

J. Please specify the total number of support personnel that may assist in the completion of this Project:

5 _____

TEC Professional Services Questionnaire

K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Amer Tufail, PE, BCEE
Principal

Project Assignment:

Civil Engineer

Name of Firm with which associated:

GreenPoint Engineering

Years' experience with this Firm:

10

Education: Degree(s)/Year/Specialization:

BS /1993 /Biochemistry (Louisiana State University)
MS / 1996 / Civil and Environmental Engineering (Louisiana State University)
Graduate Certificate / 2016 /Coastal Engineering (University of New Orleans)

Active registration: Year first registered/discipline:

2001 / Civil Engineering

Other experience and qualifications relevant to the proposed Project:

Our firm is led by Amer Tufail, PE, BCEE, a design professional with over 25-years' experience in water and wastewater practice. He is a Board-Certified Environmental Engineer with specialty certification in Water Supply and Wastewater. He is also the State Representative of the American Academy of Environmental Engineers and Scientists and has served as the certification exam committee chairman for candidates in the gulf coast region seeking specialty certification in Water Supply and Wastewater. He also serves on the Water Environment Federation's National Green Infrastructure Certification Program Oversight Committee. His career began as a process design engineer with a leading international water infrastructure consulting firm, drawing on national assignments and the expertise of leading subject matter experts, before becoming an Area Manager and Manager of Client Accounts. He has continued this focus on water and wastewater programs for the past ten years as the founder and Principal of GreenPoint Engineering.

Other Experience and Qualifications relevant to the proposed project

Project Manager and Design Engineer, Marrero Wastewater Treatment Plant Expansion

Jefferson Parish, Louisiana

Under EPA Consent Decree, Jefferson Parish, Louisiana, was obliged to expand the capacity of the 8.4-mgd Marrero wastewater treatment plant by 4.85-mgd, and provide additional peak hydraulic capacity of 50-mgd. A key feature of this project was the compressed four-month design period necessary to complete construction of a new aeration basin, secondary clarifier, and ancillary facilities for the expansion. Under Mr. Tufail's management, the project was completed below budget and within the April 2007 EPA compliance deadline.

Project Manager, St. Tammany Parish Watershed Study

Coastal Protection and Restoration Authority of Louisiana (Providence Engineering and Environmental Group)

For a \$1.2M CPRA study of the effects of stormwater and wastewater in the St. Tammany Parish watershed, Amer Tufail led the development of wastewater infrastructure strategies aimed at improving water quality and addressing water quality deficiencies in the Parish's surface waters. The effort resulting in a prioritization of needs as well as financial implementation strategy for over 200 unsewered subdivisions within unincorporated St. Tammany Parish.

Project Manager and Design Engineer, Monroe Wastewater System Improvements Program

City of Monroe, Louisiana

For the City of Monroe's \$100-million wastewater improvements program, Mr. Tufail was project manager of the program's wastewater plant expansion project and its wastewater pump station and force main projects, overseeing planning, design and construction management. The program successfully expanded and improved the city's wastewater infrastructure as required by EPA Consent Decree. Mr. Tufail was closely involved in this program since its inception. His role in the improvement program included the development of the 201 Facility Plan and SSO Corrective Action Plan, the documents that developed and finalized the plan ultimately implemented. He also supported the city's efforts in securing funding for the program through the Louisiana Department of Environmental Quality State Revolving Loan Fund program and the EPA administered State and Tribal Assistant Grant program.

The pump station and force main projects were intended to alleviate bottlenecks within the aging collection and conveyance infrastructure, bringing increased flows to the plant. The projects consisted of two new 20-mgd pump stations, and the force mains bringing their flows to the expanded treatment plant. The pump station designs were notable for their use of circular wet wells to maximize the limited space available within the available sites, and to allow them to be sunk in place in lieu of more costly excavation. The force mains were unique in their use of large diameter (36-, 42- and 48-inch) PVC pipe in lieu of the traditional materials due to corrosion and maintenance concerns.

Project Manager, St. Tammany Parish Wastewater Consolidation Program

St. Tammany Parish Government

Mr. Tufail led the engineering and planning effort for St. Tammany Parish's wastewater consolidation program, a program largely focused on the extension of wastewater collection and treatment systems to unsewered communities in unincorporated areas of the Parish. The effort included analyses of collection and treatment alternatives for these areas, and coordination with private utility providers. Though St. Tammany Parish experienced rapid population growth for many years, wastewater infrastructure did not keep pace with growth, impacting the parish's growth potential. Most of the Parish's rivers and streams were EPA 303(d) listed, and polluted due to bacterial contamination from improperly treated sewage. There were many residents without central sewerage discharging directly to drainage ditches. The situation was further compounded by forthcoming stormwater regulations as well as the limits established by the EPA Total Maximum Daily Loads (TMDL) rule for impaired water

bodies. Under Mr. Tufail's management, an interdisciplinary team developed a wastewater consolidation plan and implementation schedule that met long-term health, growth and quality of life goals, and directly addressed the issues and objectives established by the regulatory agencies as well as the co-sponsoring Lake Pontchartrain Basin Foundation and the Regional Planning Commission.

Design Engineer, Lucas Wastewater Treatment Plant Expansion

City of Shreveport, Louisiana

Mr. Tufail was the aeration system design engineer for the expansion of the Lucas Wastewater Treatment Plant in Shreveport, Louisiana. The new aeration system was designed for maximum energy efficiency, with full automation of process control. The design highlighted collaboration between the electrical and instrumentation disciplines, and close coordination with the contractor and the equipment and instrumentation system manufacturers. The end result met the client's primary objectives of having fully digital control and monitoring system, and one that improved energy efficiency.

Design Engineer, St. Charles Parish Wastewater Regionalization Program

St. Charles Parish Government

As part of the parish's \$40-million SRF-funded wastewater regionalization program, Mr. Tufail was the process and hydraulic design engineer for the program's two new regional wastewater treatment plants and the six new pump stations. The pump stations replaced the de-centralized treatment systems (mostly package plants) that served the communities of Montz and Norco on the east bank, and Killona, Ama, Bayou Gauche and Paradis on the west bank. The new treatment plants included new grit removal and screening facilities, aeration basins, and ultraviolet disinfection systems, as well as SCADA systems that integrated monitoring and control of the system-wide components.

Design Engineer, Baton Rouge Wastewater Improvement Program

City of Baton Rouge/Parish of East Baton Rouge

Mr. Tufail was the project engineer for the design and construction of several projects expanding Baton Rouge's North, Central and South wastewater treatment plants. The projects were part of a multi-year compliance program that consolidated wastewater flows from throughout the City/Parish to the three large regional facilities. In order to achieve the expansion, nearly all major processes at the three plants were addressed, including hydraulic capacity, screening, primary and secondary clarification, solids processing, and most significantly, conversion to attached growth secondary treatment.

Principal-in-Charge, Williams Wastewater Treatment Facility Aeration Conversion Study

Mobile Area Water and Sewer System

As part of the budgeting and planning of priority needs at the Williams WWTF, the largest wastewater treatment facility within the Mobile Area Water and Sewer System (MAWSS), MAWSS commissioned GreenPoint Engineering to perform a study of the feasibility to convert the facility's secondary treatment process from the current high-purity oxygen (HPO) system to conventional diffused aeration. By converting to conventional aeration MAWSS would have the ability to reduce effluent ammonia levels below current and even projected future treatment limits, and also gain the benefit of a more resilient and energy efficient process. The feasibility study concluded that a conversion of the existing HPO system to aeration is possible through the construction of additional secondary treatment volume and the addition of new blowers and fine bubble diffusers. This study also projected that the conversion would generate a net operation and maintenance costs savings that would exceed the capital cost savings over a 20-year life cycle.

Principal-in-Charge, Gray Sewerage Extension

Terrebonne Parish Consolidated Government

Amer Tufail is the principal-in-charge of the engineering design and supplemental professional services for the expansion of the Terrebonne Parish wastewater collection and pumping system in the community of Gray. The Gray area has experienced significant growth since Hurricanes Katrina, Rita Gustav and Ike, and will continue to experience

growth due to its location. The project expands the parish wastewater system to Gray, and adds a new regional lift station to serve residents as well as the planned new Public Works Facility, Juvenile Detention Facility and Animal Shelter at the Parish's new North Campus in Gray. The project also includes de-commissioning of an existing treatment pond and re-routing its flow to the new regional lift station, and the design of the new force main tying the new facilities to the parish North Regional Wastewater Treatment Plant. In addition to design, GreenPoint is preparing the CDBG funding application, Environmental Review Record and CDBG-compliance support.

Principal-in-Charge, Smith WWTP Grease Treatment Facility Review

Mobile Area Water and Sewer System

The Mobile Area Water and Sewer System (MAWSS) operates a grease treatment facility at their Wright Smith Wastewater Treatment Plant. The facility receives and processes grease trap waste generated by commercial customers within the system's service area. Because the cost of treatment exceeds the rate charged to customers, MAWSS engaged GreenPoint Engineering to review the performance of the system, examine national trends, and to propose alternatives. The effort led by Mr. Tufail identified practices that could improve treatment rate, and effectively lower the cost of treatment. The effort also identified alternate practices that could potentially reduce the cost of processing grease trap waste. One of the key alternatives identified by the effort was the widely-used practice of co-digesting grease trap waste in the anaerobic digesters, a practice that eliminates treatment and disposal costs, and also presents the opportunity to generate electricity.

Principal-in-Charge, Port Sulphur and Boothville Water and Wastewater System Repairs

Plaquemines Parish Government

Mr. Tufail was the principal-in-charge for repairs to the Port Sulphur and Boothville Water and Wastewater Systems damaged by Hurricane Katrina. These projects were critical to the recovery and re-population of the community hardest and first hit by the hurricane. A central component of the project was the repair to 46 sewer lift stations and two sewer booster pump stations. The 46 lift stations repaired under this project ranged in capacity from about 200-gallons per minute to over 500-gallons per minute, while the booster stations each had 5,000-gallons per minute capacity. Each of the designs for the repair of these facilities was unique, as the system included a mix of submersible and vertical lift pumps, a range of valve and piping configurations, and various control platforms.

In addition to overseeing the scoping, planning and design effort, Mr. Tufail's contribution to the project was in facilitating the Parish Government, the State of Louisiana and FEMA in assessing damages during the earliest stages following the event, developing technical solutions and implementation plans during design that met strict funding eligibility requirements (including hazard mitigation requirements), and in addressing the long-term viability of the repaired facilities.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Robert Heath, PE Engineering Manager
Project Assignment:
Civil Engineer
Name of Firm with which associated:
GreenPoint Engineering
Years' experience with this Firm:
9
Education: Degree(s)/Year/Specialization:
BS / 1996 / Environmental Engineering (Tulane University) Graduate Certificate / 2016 / Coastal Engineering (University of New Orleans)
Active registration: Year first registered/discipline:
2003 / Civil Engineering
Other experience and qualifications relevant to the proposed Project:
Our Engineering Manager is Robert Heath, PE, a hydraulic modeling and design specialist with 25-years' experience. He has delivered road improvements, wastewater, water, drainage, pipeline installation, levee construction, hydrology and coastal restoration projects across a wide geography. His expertise is rooted as a design engineer with a leading international water infrastructure consulting firm, where he managed and delivered wastewater pumping and gravity collection system models and the design of treatment systems and large pumping stations across a wide geography. He also led the evaluation and design of industrial wastewater treatment systems. He has also earned a record of success in securing environmental permits for complex projects from state and federal regulatory agencies.

Other Experience and Qualifications relevant to the proposed project**Project Manager, Re-Direction of Flow from Lift Station C7-2*****Jefferson Parish, Louisiana***

Mr. Heath led the modeling and engineering design effort for establishment of a new wastewater service area serving unincorporated Jefferson Parish residents adjacent to City of Kenner city limit. The scope included modeling and analysis of the existing gravity collection system, the design of gravity collection system improvements allowing separation of the service areas, design of a new submersible lift station within the street and design of a new force main to be installed by horizontal directional drilling.

Project Manager, Marrero Wastewater Treatment Plant Expansion***Jefferson Parish, Louisiana***

Mr. Heath managed the design and construction phase services for the 20-mgd expansion at the Marrero wastewater treatment plant in Jefferson Parish, Louisiana. The expansion included design of a new aeration basin, secondary clarifier, WAS/RAS pump system and blower system. The project was notable as it was completed below budget and within the April 2007 EPA compliance deadline.

Project Manager, Norco/Montz Sewer System Rehabilitation***St. Charles Parish Government***

Mr. Heath was project manager for the Norco/Montz Sewer System Rehabilitation project in St. Charles Parish, Louisiana. The project consisted of the construction of a hydraulic model of the sewer collection system in the Norco/Montz area for the development of an abatement plan to prevent future sanitary sewer overflow (SSO) incidents.

Project Engineer, New Effluent Force Main to the River***City of Westwego, Louisiana***

Mr. Heath was design engineer for the new 14,000-foot, 12-inch effluent force main for the discharge of treated wastewater into the Mississippi River. Mr. Heath's involvement included the design of a levee crossing in conformance with the United States Army Corps of Engineers construction standards, and an innovative use of the existing chlorination chambers as pump wet wells, resulting in significant cost saving for the Owner.

Project Manager, Gray Sewerage Extension***Terrebonne Parish Consolidated Government***

Robert Heath led the engineering design for the expansion of the Terrebonne Parish wastewater collection and pumping system in the community of Gray. The Gray area has experienced significant growth since Hurricanes Katrina, Rita Gustav and Ike, and will continue to experience growth due to its location. The project expanded the parish wastewater system, and added a new regional lift station to serve residents and the new Public Works Facility, Juvenile Detention Facility and Animal Shelter at the Parish's new North Campus in Gray. The project included de-commissioning of an existing treatment pond and re-routing its flow to the new regional lift station, and the design of the new force main tying the new facilities to the parish North Regional Wastewater Treatment Plant.

Project Manager, Primary Effluent and Return Activated Sludge Pumping Improvements***Terrebonne Parish Consolidated Government***

Robert Heath led the design of the improvements of the existing Primary Effluent and Return Activated Sludge Pumping System at the Terrebonne Parish North Regional Wastewater Treatment Plant. The North Wastewater Treatment Plant is the primary wastewater treatment facility in Terrebonne Parish, and one of the largest energy

consumers within Parish government. The pumps that convey the plant's primary effluent (PE) and return activated sludge (RAS) were its largest power draw, and rely on the bypass of excess flow to modulate control. As a result, the pumps were greatly oversized for vast majority of operating conditions, consuming more power than necessary. The project replaced the existing PE/RAS pumps with modern, high efficiency units sized to more appropriately match the range of flows expected. The project also added variable frequency drives and flow monitoring instruments to more precisely control operation as a function of demand. The Parish has lowered annual electrical costs by \$150,000 or more since the implementation of the project.

Project Manager, Renovations of the Oakshire and Southdown No. 2 Holding Basins

Terrebonne Parish Consolidated Government

Robert Heath led the improvements and renovations of the Oakshire and Southdown No. 2 basins, the two largest wastewater pumping facilities in Terrebonne Parish Consolidated Government's wastewater system, serving 19 pump stations. Mr. Heath first modeled the system using historic flow and rainfall data and determined that with a new pump station at each site, the basins could be operated in a normally dry condition, thereby alleviating the cause of odors and eliminating the need for maintenance dredging. GreenPoint's design of new pumping stations delivered a 6.1 mgd station at Oakshire and a 7.9 mgd station at Southdown No. 2. The submersible, variable speed, pumping stations are sized to capture 95% (two standard deviations) of historic flows, and include SCADA and odor control systems. Wet weather events exceeding the stations' capacity are diverted by weir gates to the holding basins, and drained to the stations' wet wells via slide gates once the peaks subside. The project has achieved the goal of reducing nuisance odors, and has greatly mitigated the risk of overflows. More importantly, the cost of operating the stations has been greatly reduced, and the long-term maintenance cost associated with periodic dredging are eliminated.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Mohammad Tufail, PE Quality Manager
Project Assignment:
Civil Engineer
Name of Firm with which associated:
GreenPoint Engineering
Years' experience with this Firm:
9
Education: Degree(s)/Year/Specialization:
BS / 1966 / Civil Engineering (Engineering University, Lahore, Pakistan) MS / 1974 / Civil Engineering (University of Connecticut)
Active registration: Year first registered/discipline:
1975 / Civil Engineering
Other experience and qualifications relevant to the proposed Project:
<p>Mohammad Tufail, GreenPoint's Quality Manager, is a program and construction manager experienced in complex and high-profile design and construction programs. In this capacity, he reviews all project schedules, scopes and deliverables for both contract compliance and constructability. He has led large A/E teams and construction contractors in the delivery of water resources, defense and civil infrastructure programs, all including environmental compliance aspects. For the US Army Corps of Engineers' New Orleans District, he led the preparation of Design Memoranda for several civil works, flood control and hurricane protection projects in the New Orleans vicinity. For the US Department of the Army, he served as the Program Manager and Senior Adviser for numerous military facilities in the Middle East. He also served as the overall manager of a \$730-million Foreign Military Sales Construction Program, one of the largest and most complex in the US Army.</p>

Other Experience and Qualifications relevant to the proposed project

Mohammad Tufail is a program and construction manager experienced in complex and high-profile design and construction programs, and serves as GreenPoint Engineering's Quality Manager. In this capacity, he reviews all project schedules, scopes and deliverables for both contract compliance and constructability. He has led large A/E teams and construction contractors in the delivery of water resources, defense and civil infrastructure programs, all including environmental compliance aspects. For the US Army Corps of Engineers' New Orleans District, he led the preparation of Design Memoranda for several civil works, flood control and hurricane protection projects in the New Orleans vicinity. For the US Department of the Army, he served as the Program Manager and Senior Adviser for numerous military facilities in the Middle East. He also served as the overall manager of a \$730-million Foreign Military Sales Construction Program, one of the largest and most complex in the US Army.

Civil Engineer, St. Tammany Parish Watershed Study***Coastal Protection and Restoration Authority of Louisiana (through Providence Engineering and Environmental Group)***

Mohammad Tufail led the development of conceptual designs for the installation of water distribution systems and wastewater collection systems for over 200 subdivisions across St. Tammany Parish. The conceptual designs yielded cost estimates that aided in the development of priority infrastructure projects intended to reduce water quality impacts on the surface waters of the Parish.

Quality Manager and Design Engineer, Gray Sewerage Extension***Terrebonne Parish Consolidated Government***

Mohammad Tufail was the quality manager for the design of the expansion of the Terrebonne Parish wastewater collection and pumping system in the community of Gray. The Gray area has experienced significant growth since Hurricanes Katrina, Rita, Gustav and Ike, and will continue to experience growth due to its location. The project expanded the parish wastewater system, and added a new regional lift station to serve residents and the new Public Works Facility, Juvenile Detention Facility and Animal Shelter at the Parish's new North Campus in Gray. The project included de-commissioning of an existing treatment pond and re-routing its flow to the new regional lift station, and the design of the new force main tying the new facilities to the parish North Regional Wastewater Treatment Plant.

Quality Manager, Primary Effluent and Return Activated Sludge Pumping Improvements***Terrebonne Parish Consolidated Government***

Mohammad Tufail was the quality manager for the design of the improvements of the existing Primary Effluent and Return Activated Sludge Pumping System at the Terrebonne Parish North Regional Wastewater Treatment Plant. The North Wastewater Treatment Plant is the primary wastewater treatment facility in Terrebonne Parish, and one of the largest energy consumers within Parish government. The pumps that convey the plant's primary effluent (PE) and return activated sludge (RAS) were its largest power draw, and rely on the bypass of excess flow to modulate control. As a result, the pumps were greatly oversized for vast majority of operating conditions, consuming more power than necessary. The project replaced the existing PE/RAS pumps with modern, high efficiency units sized to more appropriately match the range of flows expected. The project also added variable frequency drives and flow monitoring instruments to more precisely control operation as a function of demand. The Parish has lowered annual electrical costs by \$150,000 or more since the implementation of the project.

Quality Manager, Renovations of the Oakshire and Southdown No. 2 Holding Basins***Terrebonne Parish Consolidated Government***

Mohammad Tufail was the quality manager for the design of improvements and renovations of the Oakshire and Southdown No. 2 basins, the two largest wastewater pumping facilities in Terrebonne Parish Consolidated

Government's wastewater system, serving 19 pump stations. Mr. Heath first modeled the system using historic flow and rainfall data and determined that with a new pump station at each site, the basins could be operated in a normally dry condition, thereby alleviating the cause of odors and eliminating the need for maintenance dredging. GreenPoint's design of new pumping stations delivered a 6.1 mgd station at Oakshire and a 7.9 mgd station at Southdown No. 2. The submersible, variable speed, pumping stations are sized to capture 95% (two standard deviations) of historic flows, and include SCADA and odor control systems. Wet weather events exceeding the stations' capacity are diverted by weir gates to the holding basins, and drained to the stations' wet wells via slide gates once the peaks subside. The project has achieved the goal of reducing nuisance odors, and has greatly mitigated the risk of overflows. More importantly, the cost of operating the stations has been greatly reduced, and the long-term maintenance cost associated with periodic dredging are eliminated.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Kyleigh Ardoin, PE Environmental Engineer
Project Assignment:
Design Engineer
Name of Firm with which associated:
GreenPoint Engineering
Years' experience with this Firm:
4
Education: Degree(s)/Year/Specialization:
BS / 2018 / Environmental Engineering (Louisiana State University)
Active registration: Year first registered/discipline:
2022 / Environmental Engineering
Other experience and qualifications relevant to the proposed Project:
Kyleigh Ardoin is an environmental engineer responsible for the design of public works infrastructure projects. In addition to the design of wastewater collection, pumping, conveyance and treatment systems for clients across Louisiana, she has led the planning of long-term regional wastewater system improvements. Most recently, she led the GreenPoint's Conceptual Design for the West St. Tammany Parish planning region, the fastest growing corridor within St. Tammany Parish. The design established the sequence, method and budget for consolidating conveyance and treatment of the various water and wastewater service areas.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Meredith Breaud, PE Civil Engineer
Project Assignment:
Design Engineer/Hydraulic Modeler
Name of Firm with which associated:
GreenPoint Engineering
Years' experience with this Firm:
3
Education: Degree(s)/Year/Specialization:
BS / 2018 / Civil Engineering (Louisiana State University)
Active registration: Year first registered/discipline:
2022 / Civil Engineering
Other experience and qualifications relevant to the proposed Project:
Meredith Breaud is a civil engineer leading several design projects for GreenPoint. She has prepared hydraulic and structural designs in support of wastewater treatment and sewer lift station projects. In fact, she is currently finalizing the structural design for the new Goodbee Wastewater Treatment Plant for St. Tammany Parish. In addition to her design work, she prepares hydrologic and hydraulic models in PCSWMM, HEC-RAS and HEC-HMS, Pipeflo and other platforms.

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>West St. Tammany Water and Sewer Consolidation Conceptual Design Report</p> <p>St. Tammany Parish Government Department of Utilities</p> <p>Christopher Tissue, PE, Director tbrown@stpgov.org (985) 898-2535</p>	<p>GreenPoint is designing a new regional wastewater treatment plant to serve the rapidly growing Goodbee area of western St. Tammany Parish. GreenPoint's design allows for a solids retention time sufficient to allow ammonia removal by nitrification. The design also includes a headworks structure with screening equipment. Disinfection is by hypochlorite, and the residual biosolids are settled in a conventional clarifier and prepared for final disposal offsite through aerobic digestion. A new effluent pump station that can be expanded to meet the ultimate capacity is included in the design.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
July 2022 (estimated)	\$5,000,000 (estimated)	\$338,124 (engineering fee)

PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Renovations of the Oakshire and Southdown No. 2 Holding Basins</p> <p>Terrebonne Parish Consolidated Govt. Pollution Control</p> <p>Greg E. Bush, Administrator gbush@tpcg.org (985) 873-6735</p>	<p>GreenPoint provided the engineering services for the renovation of Terrebonne Parish's two largest wastewater storage and pumping facilities. The design converts the 9.7-acre Oakshire and the 2.2-acre Southdown No.2 holding basins to wet-weather storage facilities, and constructs new regional pumping stations with VFDs and stand-by power generators to serve the over two-dozen pumping stations the two facilities serve. GreenPoint also provided support for the administration of the LA DEQ Clean Water Revolving Fund loan that is financing the project.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
March 2021 (actual)	\$8,606,497	\$921,286 (engineering fee)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
Lift Station G6-2 Abandonment Jefferson Parish Department of Sewerage Brett Todd, Director btodd@jeffparish.net (504) 736-8395	GreenPoint provided engineering services for the abandonment of the Gatehouse Lift Station (Lift Station G6-2), and rerouting of its flow to the adjacent Galleria Lift Station (Lift Station G6-4A). GreenPoint's work included the design of a new gravity main from the abandoned lift station, and construction administration services. The construction work was performed through a Parish maintenance contract.	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
July 2020	\$590,226	\$90,116 (engineering fee)

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
West St. Tammany Water and Sewer Consolidation Conceptual Design Report St. Tammany Parish Government Environmental Services Department Tim Brown, Director tbrown@stpgov.org (985) 898-2535	To address the high rate of residential and commercial growth along the LA-1077 corridor of St. Tammany Parish north of I-12, GreenPoint is preparing a Conceptual Design Report to guide the design and construction of immediate water and wastewater priorities. GreenPoint's conceptual design will lead to the consolidation of treatment to two regional wastewater treatment plants, and the expansion of water production capacity at the Parish's existing well fields.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
March 2020	\$157,803	\$157,803 (engineering fee)

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Terrytown No. 2 Lift Station Improvements</p> <p>Jefferson Parish</p> <p>Department of Sewerage Brett Todd, Director btodd@jeffparish.net (504) 736-8395</p>	<p>GreenPoint Engineering was the prime consultant for the engineering design and supplemental professional services for the rehabilitation of the Terrytown No. 2 lift station. The lift station required extensive rehabilitation due to age and corrosion, as well as its waning reliability and high cost of ownership. GreenPoint's design included structural, mechanical and electrical rehabilitation, including replacement of the three existing 75-hp pumps with new, high efficiency units, adding variable frequency drives, and locating the power and control panels within a separate structure. The project also included the evaluation and design of odor control measures. GreenPoint also identified and pursued the financing of the project through the US Department of Energy and LA Department of Natural Resources.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
May 2019 (actual)	\$1,698,677	\$267,078 (engineering fee)

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>East Bank WWTP Effluent Pump Station Improvements</p> <p>Jefferson Parish Department of Sewerage</p> <p>Brett Todd, Director btodd@jeffparish.net (504) 736-8395</p>	<p>GreenPoint was the prime engineering consultant for the engineering design and supplemental professional services for the improvements to the East Bank WWTP's 45-mgd Effluent Pump Station. The aging station has suffered from poor reliability, and poses a significant compliance and environmental risk, as a catastrophic failure would result in environmental impacts from sewer overflows. GreenPoint evaluated the operation of the system, identified its deficiencies, and designed the improvements that would both reduce the risk of failure while improving reliability and energy efficiency. GreenPoint also identified and pursued the financing of the project through the US Department of Energy and LA Department of Natural Resources.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
July 2018 (actual)	\$2,245,281	\$236,147 (engineering fee)

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Re-Direction of Lift Station C7-2 Jefferson Parish Department of Sewerage Brett Todd, Director btodd@jeffparish.net (504) 736-8395	GreenPoint was the prime consultant providing design and supplemental professional services for a new wastewater lift station and force main system. GreenPoint's scope included modeling and analysis of the existing gravity collection system, the design of gravity collection system improvements allowing separation of the service areas, design of a new submersible lift station within the street and design of a new force by horizontal directional drilling.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
April 2018 (actual)	\$1,419,295	\$222,790 (engineering fee)

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Primary Effluent/Return Activated Sludge Pumping System Improvements Terrebonne Parish Consolidated Government Pollution Control Greg E. Bush, Administrator gbush@tpcg.org (985) 873-6735	GreenPoint was the prime engineering consultant for the engineering design and supplemental professional services for upgrades at Terrebonne Parish's North Regional WWTP. GreenPoint evaluated the plant hydraulics, operational requirements and energy demands to design a new 32-mgd primary effluent and return activated sludge pumping system. GreenPoint's design included variable speed operation and the design of treatment process improvements through the addition of flow instruments to more precisely modulate performance and MLSS concentration within the aeration basin. The work resulted in annual energy cost savings exceeding \$150,000. GreenPoint also identified and pursued the financing of the project through the US Department of Energy and LA Department of Natural Resources.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Jan 2017 (actual)	\$1,298,000	\$144,000 (engineering fee)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Gray Sewerage Extension</p> <p>Terrebonne Parish Consolidated Government</p> <p>Pollution Control</p> <p>Greg E. Bush, Administrator gbush@tpcg.org (985) 873-6735</p>	<p>GreenPoint was the prime consultant for the design and supplemental professional services for the extension of the Terrebonne Parish wastewater system to the community of Gray. The project included the design of a new variable speed 1,700-gpm pump station, de-commissioning of an existing treatment pond and re-routing its flow to the new station, rehabilitation of an existing lift station and the design of over 11,000-ft of new 6-inch and 14-inch HDPE force mains tying the consolidated facilities to the Parish's North Regional WWTP. GreenPoint also prepared the Disaster Recovery-CDBG application, all necessary permits, the required Environmental Assessment and Environmental Review Record and CDBG-compliance support.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
May 2016 (actual)	\$2,660,763	\$420,815 (engineering fee)

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Initial Condition Assessment of SWBNO East Bank and West Bank WWTPs</p> <p>Veolia Water North America</p> <p>Richard Leidy, PE richard.leidy@veolia.com (504) 277-5400</p>	<p>GreenPoint prepared an independent Initial Conditions Assessment of the SWB of New Orleans' wastewater treatment plants, prioritizing needs based on criticality. GreenPoint collected asset condition data in the field, organizing and analyzing the collected data with respect to condition and functionality. As the condition and functionality data alone do not indicate the criticality of each asset, GreenPoint developed a screening tool to establish each asset's criticality based on two scored factors: the probability of an asset failing and the consequence of a failure. The criticality ratings, reflecting both the probability and the consequence of failure, yielded a prioritization of asset deficiencies for implementation over the service agreement's 10-year period.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
March 2015 (actual)	\$74,800	\$74,800 (engineering fee)

TEC Professional Services Questionnaire

M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.

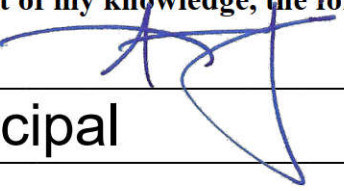
Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1. Not applicable		
2.		
3.		
4.		

N. Use this space to provide any additional information or description of resources supporting Firm's qualifications for the proposed project.

GreenPoint Engineering is pleased to present our qualifications to Jefferson Parish. In a relatively short time span, we have completed large, specialized wastewater projects as the prime consultant for a range of agencies across the region, and grown to become a full-service water infrastructure planning and design firm through repeat assignments for local, state and federal clients. In fact, GreenPoint was recently rated as Most Highly Qualified by the USACE Mobile District's Center for Water and Wastewater Technical Expertise. We owe our progress in no small part to our enthusiasm for our work and our passion to become a recognized resource in our field.

Perhaps as important, through our staff's combined experience serving Jefferson Parish we are proficient in the practices and preferences unique to Jefferson Parish, and are prepared to deliver on the Parish's expectations of quality and accountability.

O. To the best of my knowledge, the foregoing is an accurate statement of facts.

Signature:  Print Name: Amer Tufail
 Title: Principal Date: March 25, 2022