PEC
PROFESSIONAL
ENGINEERING
CONSULTANTS
CORPORATION

433 Metairie Road, Suite 313
Metairie, LA 70005

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STATEMENT OF QUALIFICATIONS

Routine Engineering Services for Water Projects
SOQ No. 22-013
Resolution No. 138809

Prepared for:

Jefferson Parish
State of Louisiana

March 31, 2022

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ No. 22-013
Routine Engineering Services for Water Projects Resolution No. 138809

B. Firm Name & Address:

PEC PROFESSIONAL ENGINEERING CONSULTANTS CORPORATION

433 Metairie Road, Suite 313
Metairie, LA 70005
504.309.5360

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:

Tony Arikol, P.E., President License No. 23244
Ph: 504.309.5360
tarikol@pecla.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.

John H. Shires, P.E., Project Manager License No. 26865
504.309.5360
jshires@pecla.com

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

7 Administrative	___Estimators	___Specification Writers
___Architects (Licensed)	___Geologists	___Structural Engineers
___Chemical Engineers	___Geotechnical Engineers	___Graduate Engineers
7 Civil Engineers	___Interior Designers	2 Project Managers
10 Construction Inspectors	___Landscape Architects	2 Clerical
___Ecologists	___Land Surveyor	1 Grant/Funding Specialist
___Electrical Engineers	___Mechanical Engineers	1 Sanitary Engineers
3 Engineer Intern	___Environmental Engineers	
___Professional Land Surveyors		**30 TOTAL**

F. Is this submittal by a JOINT-VENTURE? Please check YES _____ NO __X___

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. None		
2.		
3.		

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

22

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 (ie. 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:

Tony Arikol, P.E.
President

Project Assignment:

Principal In Charge/QA-QC

Name of Firm with which associated:

PEC PROFESSIONAL ENGINEERING CONSULTANTS

Years' experience with this Firm:

32 Years

Education: Degree(s)/Year/Specialization:

B.S./1984/Civil Engineering

Active registration: Year first registered/discipline:

1989/Civil Engineering

Other experience and qualifications relevant to the proposed Project:

Tony, who is President, of PEC performs civil/environmental engineering project management and design for municipal and industrial clientele. Tony has more than 25 years of experience as an engineer. Scope of municipal experience includes water and wastewater (both sanitary and stormwater) treatment plants, pumping stations, distribution systems, gravity lines, and force mains. Mr. Arikol has extensive municipal water treatment and distribution design and project management experience.

While Tony has experience in all phases of engineering, he has specialized experience in the design and construction of various types of water distribution, storage and treatment facilities throughout much of the southeastern United States.

RELEVANT PROJECT EXPERIENCE:

- **Principal in Charge / Design Engineer and Project Manager** responsible for a $9 million water system improvement project for the East Feliciana Rural Water System, Inc. which includes pressure filtration, high service pumps, water transmission mains, and both ground and elevated storage tanks.

TEC Professional Services Questionnaire

Tony Arikol, PE (continued)

- **Principal in Charge/Project Manager** responsible for preparation of a Preliminary Engineering Report, design, bid and construction oversight of new well, ground storage tank, high service pumps and line work for **Water Works District No. 3 of St. Tammany's overall needs to provide reliable, safe water to its service area.**

- **Principal in Charge/Project Engineer for the Waterline to Americana in the City of Zachary** which includes the installation of a new 12" restrained joint water main, 12" water valve assemblies, fittings and appurtenances, installation of water service assemblies (includes service line, bronze saddle & corporation stop, curb stop & meter box) fire hydrant assemblies, valve assemblies for future water main tie-ins, and other misc. items.

- **Principal in Charge responsible for the construction of a New Automatic Meter Reading and Advanced Meter Infrastructure (AMR/AMI) System in the Town of Maringouin** including water meters, meter data interface unit, data collectors, software and other appurtenances for a fully functional network.

- Principal in Charge responsible for **design oversight of water treatment plant upgrade for Iberville Water Works District No.3** which included addition of two filters, ground storage, carbon system addition and miscellaneous improvements.

- Project Engineer responsible for the design and construction supervision of the **Cartersville Water Treatment Plant Expansion from 12 to 30 MGD in Cartersville, Georgia.** Responsible for preparation of basis of design report, supervising field treatability tests, preparing final design documents. Major unit processes included: flash mixing, flocculation/sedimentation, filtration, chemical addition systems (lime, carbon, permanganate, polymer and chlorine), finished water pumping as well as standby generation**.**

- Project Manager responsible for **numerous water system improvements for East Feliciana Water District, East Feliciana Parish, Louisiana.** Prepared design reports and final design documents for the following: a 2,000 foot deep 6 mgd water well, a pressure filtration system for iron and manganese removal, various water line additions based on "KYPIPE" model information.

- Project Manager and Principal Design Engineer for **150,000 gallon water tower rehabilitation project** for the City of Plaquemine, Louisiana.

- Project Manager and Principal Design Engineer for **new 6" water main extension** to Pecan Pointe Subdivision in Plaquemine, Louisiana.

- Project Manager and Principal Design Engineer for **8" water main extension** to Jumonville Well for Iberville Water Works District No. 3.

- Project Manager and Principal Design Engineer for **Belleview, Choctaw and Point Pleasant Water Tower Rehabilitation** for Iberville Water Works District No. 3.

- Project Manager and Principal Design Engineer for **new water well for Acadian Hardwoods Economic Development Project** for Tangipahoa Parish, Louisiana. Project was funded through the LCDBG program.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Kevin A. Gravois, P.E.
Senior Vice President

Project Assignment:

Project Manager

Name of Firm with which associated:

PEC
PROFESSIONAL ENGINEERING CONSULTANTS

Years' experience with this Firm:

39 Years

Education: Degree(s)/Year/Specialization:

B.S./1981/Agricultural Engineering

Active registration: Year first registered/discipline:

1987/Agricultural Engineering; 1993/Civil Engineering; 1993/Environmental Engineering

Other experience and qualifications relevant to the proposed Project:

Kevin has been employed with PEC for the past 39 years. He performs civil engineering project management and design for municipal clients. Scope of municipal experience includes water treatment plants, water wells, water pumping stations, water storage tanks, water distribution systems, sanitary collection sewers, sewer pump stations and force mains, natural gas systems and Parish roadway design.

RELEVANT PROJECT EXPERIENCE:

- Project Manager for **Water System Improvements for St. Helena Water Works District No. 2**. Project included 4 different contracts:
  - **Contract No. 1- Water Distribution System**: Installation of a 10" PVC water main, gate valves, ductile iron fittings, fire hydrants, HDPE highway and creek bores, services, abandonment of existing water mains and associated appurtenances.

Other experience and qualifications relevant to the proposed Project:

Kevin A. Gravois, PE (continued)

- **Contract No. 2- Water Pumping Station**: An 1,800 foot test well, 500 gpm water well, clearing, grubbing, rough grading of well site and appurtenances.
- **Contract No. 3- Water Well**: A 282,100 gallon ground storage tank, 15,000 gallon steel pressure tank, 2-750 gpm high service pumps, yard piping, fence, service road, generator, chlorinator, electrical, controls and appurtenances.
- **Contract No. 4- Repainting Elevated Water Storage Tank**: Sandblast structural repair and recoating of the existing 100,000 gallon elevated water storage tank located in the community of Dennis Mills in St. Helena Parish.

- Project Manager for **Groom Road Water Well Improvements in the City of Baker.** Project was developed as a second contract to allocate remaining ARRA monies awarded to the City in their new water meter contract. The LA DHH was the funding agency responsible to oversee that the engineering and construction followed ARRA requirements. Responsible for Design, plan preparation, construction administration and grant administration (including davis-bacon labor compliance, Buy American compliance, etc.). Construction consisted of one (1), 1,000 gpm water well, chlorinator, yard piping, control shelter, electrical, site work and appurtenances.

- Project Manager for **Winterville Area Water Main Additions in West Baton Rouge Parish.** Design, plan preparation and construction administration for the construction of 8" PVC water mains, fire hydrants, gate valves, fittings, tapping sleeves and other such appurtenances.

- Project Manager responsible for the design of a **2.0 mgd water treatment plant rehabilitation for the City of Plaquemine** with a total project cost of 2.4 million dollars. Rehabilitation included the replacement of the following: Solids contact clarifier, recarbonation basin, three (3) filter bays (media and under drains), alum system, lime feed system, chlorination system, carbon dioxide system; polyphosphate system and backwash pump station.

- Project Manager responsible for the design of a **900,000 gpd water treatment plant addition and rehabilitation for Henderson-Nina Water Corporation** with a total project cost of 1.2 million dollars. Rehabilitation included two (2) additional greensand filters, rehabilitation of an existing greensand filter, one (1) new zeolite water softener unit, new backwash feed and disposal equipment, new storage tank, new water well and new water mains.

- Project Manager responsible for the design of a **300,000 gpd water treatment plant for the Lee Road Water Corporation in St. Tammany Parish.** Work included two (2) greensand filters, chemical feed equipment, disinfection equipment, backwash equipment, backwash pumping and treatment unit, pumping facilities, water supply and water distribution system.

- Design Engineer responsible for design and construction management for **water distribution improvements which included a new water distribution system, water well and elevated tank for the Pointe Coupee Water Works District No. 2** in Pointe Coupee Parish, LA.

- Project Manager for the **Booker Fowler Fish Hatchery located in Rapides Parish** for the State of Louisiana with a total project cost of $13 million dollars. Included in this project was ground water supply, surface water supply, pumping and screening, disinfection, pumping, earthwork, supply and drain system for ponds, various buildings, raceways and troughs for fish production and various appurtenances related to fish hatcheries.

- City of Baker – **Comprehensive Engineering Report for the Potable and Fire Protection Water System**, including recommendations for improvements and estimated construction and project costs.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title
Bianca G. Hillhouse, P.E. Senior Project Engineer
Project Assignment:
Project Engineer
Name of Firm with which associated:
PEC PROFESSIONAL ENGINEERING CONSULTANTS CORPORATION
Years' experience with this Firm:
25 Years
Education: Degree(s)/Year/Specialization:
B.S./1996/Civil Engineering
Active registration: Year first registered/discipline:
2001/Civil Engineering
Other experience and qualifications relevant to the proposed Project:
Bianca performs civil/environmental engineering planning, permitting, design, and construction administration for municipal clients. She has more than 25 years of progressive responsibility in charge of a variety of infrastructure projects. Her municipal experience includes wastewater, water, drainage, road rehabilitation, and miscellaneous infrastructure projects. She has coordinated all planning and design requirements for water distribution, storage, pumping and well systems and has served as the primary consultant in trouble shooting water system inefficiencies and break downs. She was the design engineer and project manager for three water line relocation projects triggered by DOTD widening projects throughout the City of Zachary and one for the Town of St. Francisville. Bia was the design engineer and project manager for the rehabilitation of a 300,000 gallon elevated storage tank in the Town of St. Francisville and the construction of a new 500,000 gallon elevated storage tank in Zachary. Bia also developed a Water Vulnerability Assessment for six municipalities in Louisiana.

TEC Professional Services Questionnaire

RELEVANT PROJECT EXPERIENCE:

- **Town of Springfield Water Distribution System and New Water Well.** Project Manager and Design Engineer responsible for design and plan preparation for the installation of a city-wide water main network, consisting of various sizes of PVC/HDPE water mains, gate valves, flush hydrants, ductile iron fittings, bayou crossings. State Highway crossings, meters and appurtenances. This project also include the construction of a new 500 gpm, 2,000 ft. deep water well and hydropneumatic tank to serve the town of Springfield.
- **FY2020 LCDBG Water System Improvements, City of Zachary, LA (2022).** Project Manager and Design Engineer responsible for the design and plan preparation of a $1.6 M grant awarded to the City. This project entails the design and construction to replace older cast iron small diameter (1", 2" and 6") water mains with new large diameter water mains for the City of Zachary potable water system, as well as replace an existing failing water well which serves the Lane Regional Medical Center Hospital as well as the southeastern quadrant of the City. The City will acquire the site for the new well.
- **New Water Tower and Water System Improvements, City of Zachary, LA.** Project Manager and Design Engineer responsible for the design and plan preparation for a new 500,000 Gallon Elevated Water Tower and associated water system improvements.
- **City of Zachary Waterline to Americana** which includes the installation of a new 12" restrained joint water main, 12" water valve assemblies, fittings and appurtenances, installation of water service assemblies (includes service line, bronze saddle & corporation stop, curb stop & meter box) fire hydrant assemblies, valve assemblies for future water main tie-ins, and other misc. items.
- **FY2016 LCDBG Water Distribution System Improvements, City of Zachary (2018)** Project Manager and Design Engineer responsible for the design and plan preparation of a $800,000 grant awarded to the City. The project is to replace existing, older cast iron small diameter (1", 2" and 6") water mains with new large diameter PVC and HDPE water mains (2", 6" and 12") for the City of Zachary potable water system.
- **FY2016 LCDBG Water Distribution System Improvements (Richardsontown), City of Bogalusa, LA (2018).** Project Manager and Design Engineer responsible for the design and plan preparation of a $800,000 grant awarded to the City. Project included the replace 2", 6", 8", and 12" water mains including service reconnections for a low-income target area in the City.
- **City of Zachary FY 2012-2013 LCDBG Water Distribution System Improvements**. Project and Design Engineer for new replacement water lines (abandoning existing) and transferring services to new lines. Various sizes of pipe were required as well as boring pipe at concrete driveways.
- **Town of St. Francisville Water Distribution System Improvements.** Design Engineer and Project Manager for improvements to the water distribution system including replacement of 2" and 4" water mains with 6" PVC water mains and fire hydrants for the Town of St. Francisville, LA. This was an LCDBG funded project.
- **Town of St. Francisville Rehabilitation of Elevated Water Storage Tank.** Design Engineer for the design and construction administration of a 300,000 gallon elevated water storage tank rehabilitation for the Town of St. Francisville, LA. The project included repainting the interior and exterior of the elevated tank and performing structural repairs.
- **Town of St. Francisville Booster Pump Station.** Design Engineer and Project Manager for a potable water booster pump station facility for the Town of St. Francisville to serve two areas with historically low water pressure problems.
- **City of Zachary New Water Well.** Design Engineer and Project Manager for a new 2,000 gpm, 2000 foot deep water well for the City of Zachary, Louisiana.
- **City of Zachary Water Distribution System Improvements.** Design Engineer for the overall City-wide water distribution system study for the City of Zachary, Louisiana.
- **West Baton Rouge Parish Water System Improvements**. Design Engineer and Project Manager for the Directional Drilling of 1,400 L.F. of 18" HDPE water main under the Intracoastal Waterway in West Baton Rouge Parish.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title
John H. Shires, P.E. Project Engineer
Project Assignment:
Project Engineer/Parish Liaison
Name of Firm with which associated:
PEC PROFESSIONAL ENGINEERING CONSULTANTS CORPORATION
Years' experience with this Firm:
14 Years
Education: Degree(s)/Year/Specialization:
B.S./1991/Civil Engineering
Active registration: Year first registered/discipline:
1996/Civil Engineering
Other experience and qualifications relevant to the proposed Project:
John has more than 25 years of experience planning, designing and managing infrastructure programs and individual projects. He has extensive knowledge and experience in leading the development and implementation of infrastructure Master Plans. He has served as both a consultant and the Owner in the development of capital improvement programs and understands both perspectives in undertaking a program or project to meet the community's needs. **He is currently the Project Manager for four Jefferson Parish projects, including Manhattan Blvd Widening, southbound and Leo Kerner Bike Path, and Recreational Pathway.** He has also recently served as the Project Manager for several projects for the City of Mandeville, New Orleans, and St. Tammany Parish. As a consulting engineer, he was responsible for assisting in the overall design, construction and management of the City of Kenner's $20 million Project Blueprint program which overhauled major thoroughfares and residential streets in the City. Project Blueprint project included major upgrades and rehabilitation to the submersible and self-priming sewer lift stations.

TEC Professional Services Questionnaire

John H. Shires, PE (continued)

As a consulting engineer, he was responsible for assisting in the overall design, construction and management of the City of Kenner's $20 million Project Blueprint program which overhauled major thoroughfares and residential streets in the City. The project included major upgrades and rehabilitation to the submersible and self-priming lift stations. The program was done in complete compliance with ADA requirements.

In the City of New Orleans as the DPW Director, he led the $15million Canal Street Redevelopment Project and the annual $50 Million dollar capital improvement program which were ADA compliant. The City was under a DOJ consent decree to meet ADA compliance requirements. The Program work elements included identification of all roads and intersections for their existing accessibility and summary of existing conditions and barriers to be overcome.

John was the Project Manager and engineer on the reconstruction of Holiday Drive in the City of New Orleans. This 4,000 L.F. (est.) roadway project was completed in late Spring 2012 at a construction cost of $5 Million. He is currently the Project Manager for the Filmore Area Street repairs for over 56,000 linear feet of streets and estimated $5.6 million in reconstruction. Both projects are ADA compliant and include pedestrian walkways.

John most recently served as the **Project Manager for the Valuation of Tammany Utilities Water & Wastewater Systems in St. Tammany Parish, LA**. He was responsible for the analysis of the Tammany Utilities water and wastewater utility assets. PEC visited each site and completed site assessment forms for each utility asset – 36 water wells, 42 wastewater treatment plants and 281 sewage lift stations, to obtain the capacity, condition, age and remaining service life.

John's project management experience for Professional Engineering Consultants Corporation includes various jobs as follows:

- **Bike Path and Recreational Pathway (Jefferson Parish, LA)**
- **Airline Park Blvd Rehabilitation and Drainage (Jefferson Parish)**
- **Improvements to Westwego No. 1 Pump Station (Jefferson Parish)**
- **Nicolle Blvd. Bike Path & Recreational Pathway (Jefferson Parish)**
- **Destrehan Avenue Bike Path (Jefferson Parish)**
- Eighty Arpent Pump Station Improvements (St. Charles Parish, LA)
- Rehabilitation of Lift Stations No. 22,23, 33 (City of Mandeville, LA)
- Wastewater Interconnections – Phase 10 (St. Tammany Parish. LA)
- Randolph Pump Station Improvements (St. Charles Parish, LA)
- Cherokee Street Drainage Improvements (City of New Orleans, LA)
- Wastewater Force Main Inspection (City of Kenner, LA)
- Holiday Drive Rehabilitation (City of New Orleans, LA)
- Filmore Area Street Repairs (City of New Orleans, LA)
- WWTP Digester #1 Cleaning and Repair (City of Covington, LA)
- ADA Self Evaluation & Transition Plan Statewide (LA DOTD).

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title
David A. Colson, P.E. Senior Design Engineer
Project Assignment:
Design Engineer
Name of Firm with which associated:
PEC PROFESSIONAL ENGINEERING CONSULTANTS
Years' experience with this Firm:
30 Years
Education: Degree(s)/Year/Specialization:
B.S./1987/Civil Engineering
Active registration: Year first registered/discipline:
1995/Civil Engineering
Other experience and qualifications relevant to the proposed Project:
For almost 30 years, David has designed and managed the construction of and improvements to water distribution systems, water wells, water storage facilities, hydropneumatic booster systems and water system modeling. Design projects involving municipal entities have included improvements to the water systems for the Tangipahoa Water District Water, City of New Roads, Town of Pearl River, East Feliciana Rural Water System, Inc., Varnado Waterworks District, City of Plaquemine, St. Helena Parish Water Works District No. 2, and Ward Six Water District of Livingston Parish. David has more than 12 years of experience in computer modeling systems for design and evaluation utilizing the "KYPIPE" Computer Model and the USEPA "EPANET2" Computer Model.

TEC Professional Services Questionnaire

David has experience with the design of elevated and ground water tanks utilizing both shallow and deep foundations

RELEVANT PROJECT EXPERIENCE:

- **Town of Maringouin- Automatic Meter Reading & Advanced Meter Infrastructure (AMI/AMR) System:** Project consists of the construction of a New Automatic Meter Reading and Advanced Meter Infrastructure (AMR/AMI) System including automated water meters, meter data interface unit, data collectors, software and other appurtenances for a fully functional network wherefore water consumption can be measured automatically and this information can be transmitted and received at the Utilities office for use in their billing software for a turn-key project. Contract is funded by the LADEQ SRF Loan Program. Project includes design, plan preparation, davis-bacon compliance, DEQ regulations, and construction administration.

- **Rural Franklinton Water Corp- New Water Well for Black Jack Road Booster Pump Station:** A Disinfectant/By-Product Monitoring Plan was required for the Town of St. Francisville's water system. The purpose of the Monitoring Plan was to specify the procedures, processes, and protocols that will be utilized by the Town of St. Francisville Water System in the collection of data and determinations of compliance with regard to the Disinfectants and Disinfection Byproducts Rule (DDBP Rule). Every effort was made to insure the accuracy of this plan with respect to the requirements of the DDBP Rule.

- **Iberville Water Works District No. 3- Water Treatment Plant Improvements:** The City's existing water treatment facility was in need of a complete retrofit to ensure the quality of water would continue to meet the highest standards for the community. PEC was retained to provide the preliminary and final engineering of the proposed improvements. The firm performed an investigation of alternatives to determine the most cost effective approach to upgrade the existing facilities. A complete refurbishing of the existing 2 mgd lime softening plant as well as new filters, air wash, backwash pumps, new clarifier and sludge pump, new chemical feed pumps and appurtenances was required to bring the facility up to the highest industry standards for a surface water treatment facility.

- **Town of Pearl River- New Water Well:** New 600 GPM Water Well at a depth of 1,860 feet and associated appurtenances to serve as a backup to the Town's only water well.

- **St. Helena Water Works District No. 2-CWEF Water Distribution System Additions:** The addition of 3" water mains to several roads in St. Helena Parish that did not have water service. Work entailed 23,400 LF (4.4 miles) of 3" water mains with tie-ins, gate valves and flush valves. These improvements added 50 new users to the system.

- **Varnado Water Works District-Water System Improvements Phase V:** Additions to the water distribution system; new water well for pine area; new ground storage tank, high service pumps, pressure tanks, filter & electrical controls for Pine area well site; new filters, yard piping, electrical controls, and appurtenances for Existing William Lewis Road well site; and structural repairs & repainting of existing 300,000 gallon elevated water storage tank.

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:**
Phase V Water System Improvements – North Project Water Works District No. 2 of St. Helena Parish P.O. Box 658 Greensburg, LA 70441 985.748.4657	Project included an Application which consisted of a Preliminary Engineering Report and an Environmental Review Record through the USDA Rural Utilities Service loan/grant program. Project also included the design, plan preparation, and construction administration for water system improvements in Phases III and IV Service areas. Improvements to the water system included the following: Contract 1 – Water Distribution System - $864,245 Installation of a 10" PVC water main, gate valves, ductile iron fittings, fire hydrants, HDPE highway and creek bores, services, abandonment of existing water mains and associated appurtenances. Contract 2 – Water Pumping Station - $605,018 An 1,800 foot test well, 500 gpm water well, clearing, grubbing, rough grading of well site and appurtenances. Contract 3 – Water Well - $428,400 A 282,100 gallon ground water storage tank, 15,000 gallon steel pressure tank, 2-750 gpm high service pumps, yard piping, fence, service road, generator, chlorinator, electrical, controls and appurtenances. Contract 4 – Repainting Elevated Water Storage Tank - $124,300 Sandblast, structural repair and recoating of the existing 100,000 gallon elevated water storage tank located in the community of Dennis Mills in St. Helena Parish Contract 5 – Water Distribution System - $865,000 Two separate water distribution projects along Hwy. 441 and Hwy. 16 to provide both water redundancy and to supply water to presently unserved parts of the Parish system. (Currently in Design).

Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
October 2017 (A) (Construction)	$3,300,000	100%

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PROJECT NO. 2		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Water System Improvements **East Feliciana Rural Water System, Inc.** East Feliciana Rural Water System 10270 Highway 10 Ethel, LA 70730 225.683.9698	East Feliciana Rural Water System, Inc. received a loan from the USDA Rural Utilities Service for water system improvements. PEC was hired to assist with the application, preparation of the Preliminary Engineering Report and Environmental Report, engineering design, plan preparation and construction administration. The project was designed into multiple contracts to include the following:  **Water Supply Improvements:** 1.) Install a new elevated 300,000 gallon storage tank along with a new 300 gpm well at a new site along Highway 63 near the Plank Road intersection. 2.) Install new 200 square-feet area pressure filters to service a 400 gpm pump to treat high iron and manganese, a new 45,000 gallon ground storage tank for backwashing, new backwash settling pond, backwash pumps, and new auxiliary generator at the Battle Road Well site. **Water Distribution Improvements:** 1.) Replace existing 4" water main with a new 8" water main on Dawson Road from Highway 68 to the Reeves-Morgan Well. 2.) Assuming the new well and elevated tank project is built (Water Supply Improvements Number 1), there will need to be a larger water main to help transfer water south to assist the Bluff Creek Area. Therefore, we propose to replace existing 3" water main with a new 10" water main on Highway 63 from the proposed elevated storage tank and well site to Old Liberty Road; Replace existing 2", 4", and 6" water mains with a new 8" water main from Old Liberty Road to Highway 37. 3.) Replace existing 4" water main with a new 8" water main on Highway 959 from the Bluff Creek Well to Highway 63. 4.) Replace existing 4" water main with a new 8" water main on Highway 955 from the Highway 955 and Highway 957 intersection on Highway 10. 5.) Replace existing 4" water main with a new 8" water main on Highway 956 from Highway 19 to Highway 412; Highway 412 from Highway 956 to Highway 67; Highway 67 from Highway 412 to Highway 959; and Highway 67 from Highway 412 to just south of Hokaday road. 6.) Install a new 6" water main throughout remainder of the Highland Lakeshore Subdivision. 7.) Replace existing 3" water main with a new 8" water main on Highway 68 from Highway 963 to McMurray Road and tie into existing 2" water main. **Water Storage Improvements:** 1.) Install a new 300,000 gallon elevated storage tank (*See Water Supply Improvements No. 1).* 2.) Install new 100,000 gallon ground storage tank at the Turner Well Site. 3.) Install new 211,600 gallon ground storage tank at the Highway 964 Well Site.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2022(E)	$9,000,000	100%

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
New Elevated Water Tower & Water System Improvements City of Zachary P.O. Box 310 Zachary, LA 70791 225.654.1902	PEC was responsible for the design and construction management for a new 500,000 Gallon Elevated Water Tower and associated water system improvements. The projects were designed and bid as follows: • Contract 1 provided for the new Elevated Water Tower with associated appurtenances. • Contract 2 provided for 12" PVC/HDPE water mains, valves, fittings, fire hydrants, connections, new elevated tank water fill piping, well site piping and associated appurtenances. This project was funded with State Capital Outlay allocations. PEC coordinated all aspects of the requirements and reimbursements from the funding agency. PEC also coordinated site selection and system hydraulics to ensure that the new tower would provide needed storage and improved pressure throughout the system. 	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
April 2021 (A)	$2.0 Million	100%

TEC Professional Services Questionnaire

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Phase IV Water System Improvements Innis Water Works District 6477 LA Highway 1 Innis, LA 70747 225.492.2399	Innis Water Corporation received a loan from the USDA Rural Utilities Service. PEC was hired to assist with the application, preparation of the Preliminary Engineering Report and Environmental Report, design, plan preparation and construction administration. Contract No. 1 – Water Distribution System: Project consisted of the installation of various sizes of PVC/HDPE water mains, gate valves, fire hydrants, ductile iron fittings, bayou crossings, State Highway crossings, railroad crossing, meters and appurtenances. Est. Construction Cost - $774,600 Contract No. 2 - Water Well: Project included construction of one 1,100 foot test well, a 300 gpm permanent well, discharge piping and appurtenances. Est. Construction Cost - $370,800 Contract No. 3 - Water Pumping Station: Project included the construction of a 125,200 gallon ground water storage tank, 10,000 gallon steel pressure tank, 2-350 gpm high service pumps, yard piping, fence, service road and culvert, generator, chlorinator, electrical, controls, site grading and appurtenances. Est. Construction Cost - $552,700	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
March 2016 (A)	$2,300,000	100%

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Waterline Extension, Water Works District. 3 Brian Swindell, President Water Works District No 3. of St. Tammany Parish PO Box 1478 Covington, LA 70433 504-235-4181	Project included the installation of a new 12" HDPE and PVC joint water main, 12" water valve assemblies, fittings and appurtenances, installation of water service assemblies (includes service line, bronze saddle & corporation stop, curb stop & meter box) fire hydrant assemblies, valve assemblies for future water main tie-ins, and other misc. items. 	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2018 (A)	$800,000	100%

TEC Professional Services Questionnaire

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
New Automated Water Meters City of Bogalusa P.O. Box 1179 Bogalusa, LA 70427	Project was funded by **LDHH through the Drinking Water Revolving Loan Fund** as part of the American Recovery Reinvestment Act. Consisted of the construction of new automated water meters, curb stops, dual check valve, meter box, meter data interface unit, service line, interface with existing software and other appurtenances for a fully functional network wherefore water consumption can be measured automatically and this information can be transmitted and received at the Utilities office for use in their billing software for a turn-key project. Contractor was responsible for coordination with the City's Billing Co-Op to incorporate the new meters into the system. Responsible for the design, plan preparation, construction administration and grant administration (including davis-bacon labor compliance, Buy American Certifications, and DHH monthly reporting).	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
February 2013 (A)	$4,000,000	100%

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Water Distribution System Improvements Pointe Coupee Water Works District No. 2 105 Gisele Street New Roads, LA 70760 225.638.4501	PEC was responsible for project design, plan preparation and construction administration for work for the Pointe Coupee Water Works Dist. 2 that consisted of 4" and 6" water mains, valves, fittings, hydrants, services, Bayou crossings and appurtenances; a 1300 foot test well, 300 gpm water well, chlorinator, yard piping, generator, electrical, shelter and appurtenances; a 150,000 gallon elevated water storage tank, foundation and appurtenances; repainting and structural repairs to the existing 200,000 gallon elevated water storage tank in Batchelor; and water system improvements for the Torbert and Frisco communities.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2015 (A)	$2,500,000	100%

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PROJECT NO. 8		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Water Treatment Plant Improvements Iberville Parish Water Works District No. 3 65200 Bellleview Drive Plaquemine, LA 70764 225.659.7515	Design of complete and operable water treatment plant improvements consisting of the installation of two new (two cell) package filter systems each having a filter area of 209 square feet (104 square feet each cell) with associated appurtenances, a new 2,800 gpm backwash pump, new air scour blowers associated with the new filters, a metal building extension, plant piping improvements, demolition and/or disposal of materials, electrical work, painting, etc.  	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2011 (A)	$1,450,000	100%

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
FY2019 LCDBG New Water Well Village of Wilson 6528 Sycamore Street Wilson, LA 70789 225.629.5415	The Village of Wilson was awarded a grant from the Office of Community Development for the design and construction of a 300 gpm water well, chlorination facility, yard piping, electrical, controls and associated appurtenances. The well is located on the existing well site inside the Village's corporate limits located in East Feliciana Parish. The well was placed near a new well that was installed in 2016 with CDBG funds and will be drilled to accommodate a well casing, a well screen, discharge head, and a vertical turbine pump and motor. The electrical and controls will be housed in the existing pre-fabricated metal building. An 8" water line was also installed to connect this new well to the existing water main system. 	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
April 2022 (E)	$700,000	100%

TEC Professional Services Questionnaire

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Water Distribution System Improvements City of Zachary P.O. Box 310 Zachary, LA 70791 225.654.1902	The City of Zachary was awarded a grant through the LA Division of Administration CDBG program. Project included design, plan preparation, construction administration, and grant administration for the Construction of new replacement water lines (abandoning existing) and transferring services to new lines. Various sizes of pipe were required as well as boring pipe at concrete driveways.  	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2014 (A)	$860,000	100%

TEC Professional Services Questionnaire

M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages necessary.		
Parties:		Status/Result of Case
Plaintiff:	Defendant:	
1. NONE	NONE	NONE
2.		
3.		
4.		

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

1. PROFESSIONAL TRAINING AND EXPERIENCE

Specialized Experience and Technical Competence

50 years ago Professional Engineering Consultants Corporation (PEC) opened its office by helping rural communities create, fund, design and build their first water systems. Since then, we have designed hundreds of water improvement design projects. These projects range from sophisticated treatment plants, distribution systems to elevated and ground storage tanks and their associated pumping systems. The firm is an infrastructure specialist, issuing an average of 100 public works projects bids annually, estimated at almost 60 million dollars in construction costs. We believe we are one of the State's leading consultants in water system planning and design.

We have designed both water plant and well systems to service a variety of communities. The proposed Project Manager and his design engineer for your work have exceptional expertise and experience to investigate the existing system conditions and perform the associated design and construction of any new system components required. Their design will be efficient and most significantly, cost effective. We routinely have in house a water distribution system, treatment plant or water well and/or storage tank in design or in construction. Most of these projects required our total management from inception of the project, to final design and ultimate construction administration.

We will perform these services to: 1.) be responsive to your present and future needs, 2.) meet the associated budget requirements of your specified project and 3.) provide design and related construction services that meet and exceed your expectations.

Kevin Gravois, our hands-on senior PM, will direct and supervise this project. Kevin has designed and supervised water distribution, water treatment facilities, water well, storage and pumping facilities on over 100 projects in his career. Most of these projects were similar to the potential needs of **Jefferson Parish** and in the same order of magnitude as any proposed scope of work for Jefferson Parish.

2. CAPACITY FOR THE TIMELY COMPLETION

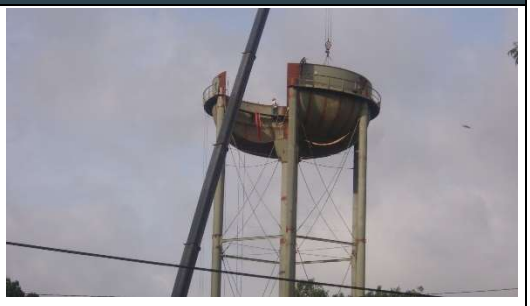
Staffing Capacity/Current Workload

We have the necessary in-house personnel available for undertaking and implementing any projects as soon as the Parish authorizes it. We can commit whatever staff is necessary to ensure timely completion.

- Our work load is at a level in which we have excellent capacity to complete this project in the requested timeframe.
- Key staff for this project have a long history (more than 50 years) of providing engineering and administrative services.
- We have more than 30 technical and administrative personnel of which 5 are PE's and 2 are Engineering Interns. We also have a grant administrator who stays current on all guidelines and requirements and can assist you as needed on grant related projects.

N. continued.

Quality Control/Meeting Deadlines



Meeting deadlines and project milestones is one of the key reasons for our high client retention. A key to timely completion of work is having:

- coordination with the client to obtain critical background information and input related to the client's needs and project objectives.
- experienced project managers that understand the tasks required
- more than adequate technical and administrative resources available to meet the project requirements

We have the professional, technical, and administrative staff and dedication to meet schedules and deadlines imposed by its clients or governmental agencies. The firm has a bi-weekly staff meeting with key personnel to:

- check on project progress with respects to meeting the contract deadlines
- address any need for additional resources
- review key design decisions or project concerns
- distribute appropriate work elements to appropriate staff

We will maintain **continuous communication with you** to inform you of project status and any concerns related to meeting the project schedule both in design and in construction.

3. LOCATION OF PRINCIPAL OFFICE WHERE WORK IS TO BE PERFORMED

Work Location:

We will be performing the work for this project from our office located in Metairie, at 433 Metairie Road, Suite 313, Metairie, LA 70005. We also have offices in Baton Rouge (main office) and New Orleans, LA. Mr. John Shires, our proposed Project Manager for this project lives in the Metro New Orleans area. Mr. Shires is available to discuss project progress and any concerns.

Local Knowledge:

We have worked with you for several years, and have most recently worked with you on the Manhattan Blvd. Widening, Leo Kerner and Nicolle Bike Paths, and the Consolidation of F8-4 and F8-5 Lift Stations.

Additionally, we have performed various other projects for other agencies in the Parish including the LADOTD ROW acquisition for the Timed Program, and the LADOTD ADA Transition Plan

WE have also completed water and wastewater projects in several Jefferson Parish communities including Marrero and Kenner. PEC has senior employees who worked extensively (while at other firms) on several of the Parish's major improvement programs, including John Shires, P.E. who has Drainage Master Planning experience in the Parish.

4. ADVERSARIAL LEGAL PROCEEDINGS WITH JEFFERSON PARISH

We have had no legal proceedings, time delays, cost overruns, or design inadequacies experienced on past or current projects for you.

N. continued.

5. PRIOR SUCCESSFUL COMPLETION OF PROJECTS

We have an outstanding track record in the design and construction oversight of municipal water systems. We understand the critical nature of insuring that service disruption during construction is minimized.

We have been successful in meeting the budget, time frame of completion, and quality of the operations and performance for you and our other clients. We pride ourselves on repeat business and client retention. We are presently recognized by many of our clients as their engineers of record or, one of its "go to" consultants. As a result of its dedication to quality, we have enjoyed a stable and continuous growth and have become recognized throughout the State of Louisiana for our expertise in all phases of public works planning and development.

6. SIZE OF FIRM RELATED TO NUMBER OF PERSONNEL TO MEET PROJECT REQUIREMENTS

We have on staff 8 PE's, 4 EI's and numerous other support personnel with excellent drainage credentials.

We will assemble an experienced multi-disciplined **project team to meet the size, time schedule, and scope of the project**. A project manager will be your point of contact and will ensure the team meets milestones, scheduled completion dates, and the project's proposed design and construction budget. The Project Manager will coordinate with you to ensure responsiveness and clear communications, cornerstones of our project management approach.

We have the **necessary in-house personnel available** for undertaking and implementing this project as soon as the Parish authorizes it. We can commit whatever staff is necessary to ensure proper project evaluation, project design, drafting of technical plans, development of technical specifications & construction administration.

Our team has excellent credentials in the design of distribution systems, water wells, water treatment plants, booster stations, storage tanks and associated facilities. The same key senior design staff has been a project team for more than 9 years together.

7. PAST PERFORMANCE BY THE PERSONS AND FIRM ON PARISH PROJECTS

We currently have five projects with Jefferson Parish: Manhattan Blvd Widening – Southbound, Bike Path along Leo Kerner Parkway, Destrehan Bike Path, Nicolle Blvd. Bike Path and the Consolidation of F8-4 and F8-5 Lift Stations.

PEC has also completed numerous projects in nearby communities including New Orleans.

TEC Professional Services Questionnaire

N. continued.

Key Staff Personnel Experience with Similar or Other Projects Comparable to the Proposed Project

Our staff who would be assigned to these water projects are highly qualified and knowledgeable in the specific task assignments required in implementing a water project.

- Kevin A. Gravois, P.E. has almost 40 years of experience in the municipal infrastructure arena and has worked on many water projects throughout South Louisiana. He has dedicated his experience to water design for many rural water systems which includes rehabilitation of existing systems, new water distribution systems, as well as upgrades to treatment and pumping facilities, and wells.
- Tony Arikol, P.E. has worked on water projects for over 30 years and has participated in the design of new water treatment facilities, as well as system distribution and expansion.
- Ms. Bianca Hillhouse, P.E. has 25 years of experience in the area of water projects, and has worked on several projects with similar scopes that Jefferson Parish may need in the future.

Capability to Meet Schedule and Deadlines

We have the professional, technical, and administrative staff and dedication to meet schedules and deadlines imposed by its clients or governmental agencies. The firm has a bi-weekly staff meeting with key personnel to:

- check on project progress and meeting the contract deadlines
- address the need for additional resources
- review key design decisions or project concerns
- distribute appropriate work elements to correct staff

Meeting deadlines and project milestones is one of the key reasons for PEC's high client retention.

Capability to Complete Projects without having Major Construction Cost Escalations/Overruns

We have a proven track record with our clients for completing projects without having major construction cost escalations or overruns. Our **success in minimizing cost overruns and escalations** starts with preparing complete designs for the scope of work, from the initial bidding of the project throughout the project's construction. We specialize in public **infrastructure design and are continuously preparing plans, specifications, construction documents and construction cost estimates** for public bid averaging from 75 to 150 bid openings per year.

Quality of Projects Previously Undertaken

We strive for **excellence and dedication that guarantees quality projects and have met those goals throughout our professional history.** We believe a quality project involves the following:

- **Understanding *your* needs** and intent
- Preparing a project that **meets *your* financial capabilities** desires for your project.
- Providing **responsive and accurate information** to you during your project's development
- At completion of construction, the **project is what you expected**.

TEC Professional Services Questionnaire

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

Signature: Tony Arikol **Print Name:** Tony Arikol, P.E.

Title: President **Date:** 3/29/2022