



Statement of Qualifications

# Webb County

Wastewater Treatment Plant Upgrades  
Engineering Services

*RFQ 2021-008*

Laredo, Texas | August 25, 2021



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## LETTER OF INTEREST

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August 25, 2021

Webb County Purchasing Department  
1110 Washington Street, Ste. 101  
Laredo, Texas 78040

RE: RFQ 2021-008 *Webb County Wastewater Treatment Plant Upgrades – Engineering Services*

Dear Mr. Guerrero and Purchasing Department:

We appreciate this opportunity to submit our team's response to the Request for Qualifications for Webb County Wastewater Treatment Plant Upgrades – Engineering Services. Over the last year, ESG has worked with Webb County to identify improvements needed at the Webb County WWTP. The drivers for these improvements are a combination of aging infrastructure, treatment capacity and performance needs and, potentially, regulatory compliance via a decree from the Texas Commission on Environmental Quality (TCEQ). ESG has developed a schedule and overall project implementation strategy that specifically accommodates the TCEQ's regulatory concerns. With our team partner of Unify Energy Solutions, we believe our team is the right choice to provide engineering and design services, and ultimately construction services in order to expand the existing WWTP infrastructure to support the City of Laredo and Webb County's growing population.

Founded in 1994, Energy Systems Group (ESG) is a limited liability company (LLC) and an indirect, wholly owned subsidiary of CenterPoint Energy, Inc. (NYSE: CNP). Headquartered in Houston, Texas, CenterPoint Energy is an energy delivery company with regulated utility businesses in eight states and a competitive energy businesses footprint in nearly 40 states. A Fortune 500 gas and electric utility, CenterPoint and its predecessor companies have been in business for more than 140 years.

ESG is an award-winning company accredited at the very highest levels of our industry. Over the past 10+ years of our 27-year history, ESG's Sustainable Infrastructure team has developed a specialized wastewater treatment plant (WWTP) approach focused on plant improvement projects that balance system needs with larger community objectives, such as economic development, revenue generation, regulatory compliance, or jobs creation. What separates ESG from other companies is our ability balance the WWTP needs and objectives, existing or assets we build for them and the surrounding markets. This strategy provides our clients with comprehensive system wide solutions with clear outcomes that addresses multiple needs and objectives.

We have implemented over \$3.7 billion in projects for more than 440 customers throughout the continental United States and the Caribbean, serving customers in the federal, state, local government, education, healthcare, commercial, and industrial sectors. All of these projects were delivered using a progressive design-build methodology and featured contractual savings and performance guarantees. Of these projects, approximately 42% represent multi-phase projects with recurring customers. We are a leader in helping provide municipal utilities with operational, capital and regulatory challenges while executing projects quickly and to the highest standard.

# Statement of Qualifications for Wastewater Treatment Plant Upgrades Engineering Services Webb County

ESG's comprehensive solutions include facility-wide audits, engineering and design services, construction and project management, operations and maintenance, and measurement and verification of savings. Areas of specialty and concentration include:

- Design-Build
- Engineering
- Operations & Maintenance
- Water & Wastewater
- Energy Efficiency
- Facilitate Project Financing
- Energy Supply & Distribution
- Construction & Project Management
- Waste-to-Energy

Our customers tell us that what differentiates ESG from other companies is how we take the time to understand the broader challenges they face and the goals they are really trying to achieve, which always go beyond traditional operational cost savings. With this understanding, we build a strong team – with both our customer and teaming partners – and create and implement a plan to achieve those goals. This integrated “people first” approach combined with our sound technical design and delivery skills ensures a positive project experience for the County. Our customers recognize that we think differently about our work.

In summary, the ESG team presented in our response has a strong understanding of the County's challenges and opportunities, has the unique experience and skilled team members, and is ready to bring the hard work to help the County succeed, now and into the future. Within this response, please find information on the ESG team, our qualifications, experience, and approach to Webb County's project. We are excited to be considered, and thank you for the opportunity to support the city on this important project.

Sincerely,

*Jorge Roman*

Jorge Roman, Account Executive

## QUALIFICATIONS



### Wastewater & Process Improvement

ESG has worked with a variety of clients to modernize existing systems build new infrastructure across the entire wastewater treatment process, from head-works to final disinfection. ESG's WWTP clients cover a wide range from the country's eighth largest in America serving 1.8 million citizens, to municipalities with communities with fewer than 10,000 people. Every client receives a customized solution based on their goals and objectives.

In the past five years, ESG has developed over \$200 million in WWTP projects, with operational performance guarantees as a key component. These projects are either currently under construction, or completed and operational. Our history as an energy performance contracting company gives us the ability to offer operational guarantees functioning as a risk management company for our clients. ESG's risk management skills will allow Webb County to effectively manage the regulatory requirements of TCEQ. **ESG is the only design-build company that provides operational and financial assurances for our clients.**

In the past five years alone, ESG has developed over \$200 million in anaerobic digestion-focused projects with organic revenue guarantees as a key component that are either under construction, or completed and operational.

# Statement of Qualifications for Wastewater Treatment Plant Upgrades Engineering Services Webb County



## Organics Experience

ESG has the experience and qualifications to successfully develop solutions to complex wastewater infrastructure needs. Many of the projects listed in the Client References section are centered on the treatment of organic waste at public utilities, monetizing existing assets and resolving regulatory concerns.

## Revenue Generation & Operational Assurances

ESG is the only energy service company that provides a financial and operational assurance, on anticipated new revenue from receiving organic waste and meeting regulatory stipulations. Currently ESG guarantees hundreds of thousands of dollars in annual organics and achieving operational outcomes based on the initial design goals. These guarantees provide a baseline revenue guarantee that the municipal utilities can use to create budget certainty for their organizations. Our approach provides client's confidence that our solutions will achieve all expectations and connects us as long term partner to address future needs as they evolve for Webb County.

"ESG has shown a high level of technical expertise and forward thinking yet keeping our best interests as the focal point of the project. "

*Jesse Moffett, Executive Director (retired)  
Frederick-Winchester Service Authority*

## Energy Efficiency & Financial Stability

One of our goals, whether for energy specific projects or others, is to promote energy efficiency and sustainability as part of all our projects. Energy efficiency is a core competency of ESG, having carried out over 700 energy infrastructure projects over its 27-year history. Part of ESG's success comes from its breadth of resources. ESG has a bonding capacity of \$500 million and is backed by a Fortune 500 company. This financial stability is essential to carrying out large-scale performance contracting projects.

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At the same time, ESG is small enough to have a singular focus on its customers, guaranteeing our clients the resources of a major company with the feel of working with a smaller organization.

## Demonstrated Experience

ESG has a talent base and capability specifically tailored to the entire WWTP process. This talent base includes in-house engineers who are nationally recognized experts in anaerobic digestion, WWTP process and biosolids management. As needed, we will supplement our team with engineering design partners with whom we have worked on similar projects and who have direct experience at Webb County facilities. The County can be assured that this project will incorporate the right technology, design, and performance to achieve the requisite outcome.

## Development and Delivery Processes

ESG has well established processes for managing these projects from cradle to grave. This includes a project development processes that support sound scope decisions through an applied knowledge base that feeds forward lessons learned from practical operations experience. Collaboration during the development process is also a key component as workshops are conducted through the efforts which will educate and inform the County on design elements and equipment selections. The delivery and operations processes are built to ensure a construction process that ensures quality, adherence to the budget and schedule, and a program that manages all functions for County without claims, lack of accountability or finger pointing. The result will be a project that is designed and built faster, in a collaborative environment, operates better, and delivers to the County the financial and operational benefits that are projected.

## From a Construction Perspective - Project Management Methodology

As Construction Services may become warranted, ESG proposes this project will be managed by a core project team, presented in the next section, which will function as the heart of this project and work directly with each other and Webb County personnel, supported by other members of the team. While ESG will be the County's single point of responsibility, will we NOT be the single point of contact – becoming the bottleneck in the process that hinders efficient work. Individual team members will work directly with the County, as needed, and then communicate their efforts back into the ESG team. Since the core of the ESG project team has worked closely together in the past, we have found this approach to be very effective.

ESG uses a team approach for projects because it is important that the person or company that is the best for a task is focused on it. During the project's development, there will be concurrent sets of activities focused on the various components of the effort, they will include:

- Technical scope development
- Contract development
- Market assessment
- Operational Assurances
- TCEQ Regulatory
- Financial scenario planning
- Grant and funding applications
- Environmental reviews
- Stakeholder input

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## Post Construction - Service & Maintenance Procedures

For a project like Webb County's WWTP proposed upgrades, post construction service and maintenance services can provide further value. ESG's operations and maintenance support exceeds what its competitors can provide, and customers can feel confident that they have a strategic partner for the long run when embarking on a project with ESG. After commissioning, the post-construction team (PCT) monitors the performance of the construction deliverables, ensuring that all the systems and equipment function as designed.

### What ESG's Ongoing Support Really Looks Like – A Real-World Example:

Recently, in reviewing the daily process data from one of our wastewater clients, ESG staff realized that several of the performance metrics for the plant's digesters were out of line. The plant team had not noticed the variations in the digester data, which we determined had resulted from the plant significantly overfeeding the digester. ESG proceeded to review its action plan with the plant team and made feeding chemical intervention recommendations and follow up targets.

Over the next week, ESG reviewed the progress of the digesters, and the data returned to normal ranges. If ESG had not noticed the variations in the digester data, the digesters could have soured, which would have required that they be restarted — a long, labor-intensive process.

## Ongoing Partnership

A list of services falls short in describing what ESG is ultimately providing our clients, which is a true strategic partnership. From helping customers think strategically about their wastewater infrastructure in the initial stages to helping clients when issues arise in post-construction operations, ESG has a track record of standing with our clients to ensure continued operational success and revenue generation.

## Methodology for Representing Performance Assurances

ESG's approach to performance assurances begins with defining the performance goal (typically, energy savings, chemical cost reduction, process function, regulatory and new revenue goal) and identifying key factors that impact achieve that goal. For Webb County, since there are varying performance goals that may be incorporated in the final project scope, ESG will create a system focused performance measurement criteria around three major areas: building systems improvements, regulatory compliance and wastewater process improvements.



# Statement of Qualifications for Wastewater Treatment Plant Upgrades Engineering Services Webb County

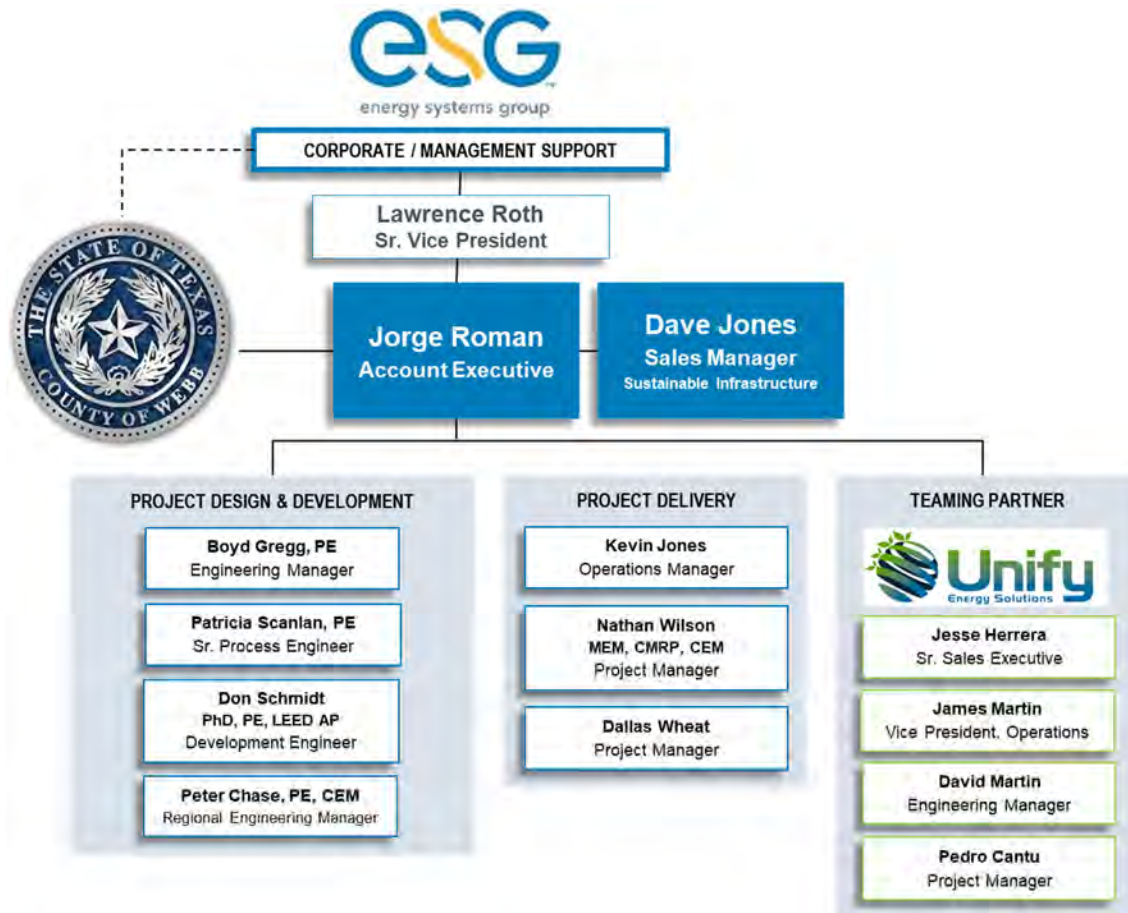
## PERSONNEL

ESG has assembled a project team that provides the expertise necessary to execute this project for Webb County. ESG's proposed project organization, shown below, illustrates the roles and reporting relationships of our project team. ESG will serve as prime contractor responsible for engineering, procurement, construction, and support to the County. ESG's Principal-in-Charge will be accountable for ESG's performance.

Our team includes Unify Energy Solutions, who has a strong footprint in Texas and calls it home. Unify's BAS and energy management systems expertise strongly complements ESG's WWTP infrastructure improvement capabilities.

Project design and development, led by Boyd Gregg, will be responsible for process modeling, savings calculations, and front-end conceptual engineering and scope development. They will coordinate directly with selected design partners to establish design criteria and ensure that system designs meet the performance objectives of the project. This group includes a Texas licensed Professional Engineer along with highly-experienced design professionals.

Project delivery, led by Kevin Jones, will be responsible for all site construction and system(s) commissioning, including management of trade subcontractors and equipment procurement, construction quality control, site safety, and ensuring that all systems work as designed.



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## Principal-in-Charge (PIC)

*Responsible for overseeing major projects at the management level. The PIC has authority to direct, control, and monitor all project activities for Webb County's WWTP Project.*

## Lawrence Roth, Senior Vice President, Sustainable Infrastructure



Lawrence has over 20 years of design, engineering, operations, project management, construction, and maintenance experience. As Senior Vice President, he oversees the business development and operations of ESG's Sustainable Infrastructure business unit. He leads advanced energy infrastructure solutions in the renewable energy, waste-to-energy, and distributed generation sectors. He is responsible for the development and implementation of innovative technologies inclusive of waste-to-energy, renewable energy, water/wastewater, cogeneration, demand response, and biogas recovery systems. Lawrence is a member of the

Society of Military Engineers (SAME), and he earned his B.S. in Building Construction Management from Purdue University.

## Project Executives

*Responsible for developing strategic program and project goals and monitoring program and project performance.*

## Jorge Roman, Account Executive



Jorge is a business development leader with over two decades of experience who has developed over \$100 million in projects for customers over the last five years alone. In his role, he assists customers in developing energy efficiency infrastructure projects. With the development and engineering teams, he works closely with customers to identify unique solutions to their infrastructure needs. He is a primary point of contact for the customer throughout the entirety of the project's development and construction, ensuring customer satisfaction and a timely completion of each project. Before joining ESG, Jorge was an Energy

Business Sales Executive with Honeywell International, Inc. Jorge received his B.S. in Chemical Engineering from Syracuse University and his Masters in Engineering Management from Polytechnic University.

## Dave Jones, Sales Manager, Sustainable Infrastructure



Dave has over 20 years of experience in the energy sector with a background in operations & engineering management, business development & sales management, and general management. At ESG Dave provides leadership and guidance to the Sustainable Infrastructure Group's business development team, helping oversee the development and implementation of infrastructure improvement projects in the wastewater space. Throughout his career Dave has helped his teams develop large performance-based projects involving central plants, wastewater treatment plants, and energy resiliency. His past customers include

the New York Power Authority, the NY/NJ Port Authority, Airbus, Howard University Hospital, the City of Worcester, the University of Maine, and the FDA. Dave holds a B.S. in Agricultural Engineering Technology from Cornell University and an MBA from Rensselaer Polytechnic Institute.

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## Project Engineers

*Lead wastewater process engineering projects by coordinating the design, planning, and construction aspects of water and wastewater treatment and facility projects. Provide technical leadership on design and collaborate with other design professionals on project pursuits and technical challenges. Frequent communication with subcontractors regarding design/installation. Project Engineers work closely with project management to plan and coordinate upcoming work and assist in monitoring project status and identifying efforts to more effectively manage the project.*

### Boyd Gregg, PE, Engineering Manager



Boyd has nearly two decades of engineering experience, and he specializes in the co-digestion of high strength organic wastes and waste-to-energy, combined heat and power (CHP), and wastewater treatment. He has experience in the design and construction of wastewater pumping systems, wastewater treatment plants, wastewater equipment, instrumentation and controls, and chemical feed systems. He has worked on ten organic co-digestion, digestion improvement and CHP projects as an engineer and project manager. Boyd holds a B.S. in Civil Engineering from Clemson University and an M.S. in Civil Engineering and Applied Fluid

Mechanics, also from Clemson University.

### Patricia Scanlan, PE, Senior Process Engineer



Patricia Scanlan is a licensed Professional Engineer (PE) with an extensive background in water and wastewater — particularly biosolids and residuals — spanning three decades. She is responsible for overseeing process design and quality control for ESG's wastewater projects. Her specialties include the planning, evaluation, and design of residuals processing and biosolids disposal systems. Before joining ESG, Patricia was the Principal of Scanlan Environmental, LLC, and before that she was the Director of the Residuals Process Group at Black & Veatch responsible for process design and studies for biosolids and residuals

treatment facilities. She received her B.S. in Industrial Engineering from Lehigh University and her M.E. in Environmental Engineering from Clemson University.

### Dr. Donald Schmidt, PE, LEED AP, Development Engineer

Texas Licensed  
Professional  
Engineer  
PE #91535

Donald (Don) Schmidt is an engineering leader with extensive experience in the performance contracting and design-build markets. At ESG, Donald leads interdisciplinary teams in the development of energy efficiency and infrastructure improvement projects. His collaborative management approach engages all key stakeholders as they work to develop innovative solutions to technically challenging opportunities in infrastructure modernization. Don has over 24 years of experience analyzing and developing energy retrofit and new construction projects and specializes in central plants. He has been a lead designer on combined cycle

combustion turbine power plants ranging in size from 5 to 55 MW. These plants were interconnected with the grid and automated to provide resilient, reliable power on utility interruption. Before joining ESG, Donald was a Sr. Engineering Manager for Honeywell, Inc. Donald received his B.S. and M.S. in Nuclear Engineering from Kansas State University. He received his Ph.D. in Mechanical Engineering from the University of Texas at Austin.

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## Peter Chase, PE, CEM, Regional Engineering Manager



Peter has over 25 years of engineering experience. His areas of expertise include water system design, wastewater systems, AMI, waste-to-energy, HVAC, and central chiller plants. Peter oversees engineering activities relating to business development. He is responsible for determining staffing needs and hiring engineering staff for the regional development team. He is also responsible for overseeing the engineering processes associated with the development of scopes of work, energy savings estimates, and energy savings guarantees. Peter also provides guidance and advice in the selection of subcontractors and vendors for projects. Peter

received his B.S. in Physics from Chadron State College and his M.S. in Systems Engineering and Engineering Management from Texas Tech University.

### Project Management

*Provides executive oversight for all projects. Oversees all aspects of the delivery process, working closely with subcontractors and project team, establishing timetables, and determining labor and material costs. Schedules subcontractors, consultants, and vendors, as well as ensuring their completion of work within time allowed. Shall establish and enforce job site quality control to ensure quality completion of construction.*

## Kevin Jones, Operations Manager



Kevin is a seasoned project management professional with more than 35 years of experience. Kevin's specialty focus is managing wastewater treatment plant projects. Prior to joining ESG, Kevin worked at the City of Gloversville, New York, Department of Public Works as the Director of Public Works. As the Director of Public Works, Kevin supervised all of the City's construction projects, including road and utility repairs and reconstruction, unit masonry, and general building repairs and reconstruction. Kevin studied Engineering Science at Fulton-Montgomery Community College.

## Nathan Wilson, MEM, CMRP, CEM, Project Manager



Nathan has served in multiple roles throughout his 13-year career with ESG. Currently, he is responsible for managing all aspects of delivering Aging Infrastructure/Organics-to-Energy projects for ESG's Sustainable Infrastructure Group, focusing primarily on wastewater facilities. Prior to joining the Sustainable Infrastructure delivery

team, Nathan worked as ESG's Operations and Maintenance Engineer for the Operations Services group. In this role he was responsible for managing projects, designing processes, developing procedures, and implementing practices as well as providing technical support and training for ESG's various continuous operations sites. Prior to that, he served as Lead Technical Specialist for the Chicago West Energy Center, a 3.2 mW natural gas cogeneration plant, 290-ton chilled water plant, and 1.1 MW landfill gas-to-energy plant. Before joining ESG, Nathan completed the U.S. Navy's nuclear power training program and served in Reactor Electrical Division aboard USS Ronald Reagan (CVN 76) before being honorably discharged. Nathan also holds a M.S. in Engineering Management from Pennsylvania State University and a B.S. in Nuclear Energy Engineering Technology from Thomas Edison State University.

### Awards

- Navy & Marine Corps Achievement Medal
- CWEC Technician of the Year
- MLFGE Technician of the Year
- ESG Technician of the Year

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## Dallas Wheat, Project Manager



Dallas is a seasoned project manager, **based in Austin, Texas**, with over 15 years of experience overseeing large-scale infrastructure projects spanning several areas of the. His projects include Army Reserve Centers in New York and New Jersey, the Letterkenny Army Depot, and a \$22.5 million energy savings performance contract at Fort Leonard Wood. He has also overseen projects at large Department of Energy data centers. As a Project Manager for ESG, Dallas plays a key role in overseeing projects, from the development stage all the way through construction and commissioning. During development he assists

the development team in the design of infrastructure upgrades and helps put together the best team for each unique project. During construction he oversees all aspects of the process, from hiring and supervising subcontractors to serving as a primary point of contact for customers. Dallas is also responsible for ensuring that projects follow schedule and are completed on time and to customers' specifications.

## Teaming Partner

*Unify Energy Solutions is a provider of building automation, energy management systems, and products in Houston, Central, and South Texas. We provide web-based systems that can be viewed on any platform for controlling, monitoring, and managing systems as small as an individual retail location to the largest commercial application, and each system is customized with the end-user's preferences in mind.*



## Jesse Herrera, Senior Sales Executive

Jesse brings an extensive history of Business Development, helping Municipalities and State Entities through ESCO projects. His primary focus was Capital Improvement projects ranging from Water and Wastewater, Design-Build HVAC, and other energy efficiency retrofits. Jesse covers the greater-Laredo and San Antonio areas for Unify.

## James Martin, Vice President of Operations

James has over 30 years of experience in the HVAC and building automation industry. He currently serves as the Vice President of Operations for Unify Energy Solutions. He manages branch operation for Houston, Beaumont, San Antonio, and Denver. James has extensive experience in manpower planning, revenue forecasting, project management and technical employee training in addition to having extreme customer service focus.

## David Martin, Engineering Manager

With over 7 years of experience in the building commercial controls and automation industry, David manages Engineering Operations for Houston, Beaumont, San Antonio, and Denver. He has extensive experience in engineering design, software development, and developing engineering standards. The Engineering Manager is responsible for developing and composing wide technical training, engineering standards and processes, troubleshooting HVAC functional issues, and collaborating with engineering firms to develop solutions.

## Pedro Cantu, Project Manager

With two decades in the Controls industry, Pedro brings extensive field experience to every project. He has delivered project with values ranging from \$10,000.00 to \$5M. His background and time in controls allows him tremendous flexibility, no matter the scope/size of the solution.

## CLIENT REFERENCES

Over the last three years, ESG has implemented **over \$142 million** for five projects specifically focused on wastewater treatment facilities and supported by members of Webb County's ESG team. Highlights of these projects are provided on the following pages.

*Please find the required reference forms included at the end of this section.*

### Altoona Water Authority | Pennsylvania

The Altoona Water Authority (AWA) will improve its wastewater plant by transforming the Westerly Wastewater Treatment Facility into a Water Resource Recovery Facility (WRRF) through a guaranteed energy savings agreement (GESA) with ESG. The \$35.6 million project, signed in September 2020, will increase the plant's efficiency and enhance its waste processing capabilities. The project will also reduce carbon emissions, create renewable biogas, and provide new revenue to AWA.



The AWA selected ESG in 2018 to develop a solution for its escalating biosolids management costs and to study the viability of an organic waste receiving program at the Westerly facility. Such a program would allow the facility to accept and treat waste from local industries. ESG discovered that there was sufficient waste in the area to develop a receiving program, and it also determined that utilities in neighboring communities faced biosolids disposal issues as well. The project grew to incorporate the acceptance of biosolids from these facilities.

The main feature of the project is a new anaerobic digestion complex that will allow outside waste and biosolids to be trucked in and treated at the facility. The new co-digestion process ESG is implementing at the facility will convert high strength organic waste into renewable energy in the form of biogas, and biosolids will be converted to a Class A dried product through a biogas-fueled thermal drying process that reduces volume and produces a marketable fertilizer product. The ability to accept liquid organic waste from regional industries and biosolids from neighboring municipalities will generate new revenue for the AWA. The project is being funded through a low interest loan from the Pennsylvania Infrastructure Investment Authority.



"The new revenue from the acceptance of organic waste will allow us to carry out improvements to the facility at a reduced cost," said the AWA Board. "This will help us get more value for the dollars we spend."

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## City of Montpelier Water Resource Recovery Facility | Vermont

Montpelier's Water Resource Recovery Facility (WRRF) is a 45-year-old facility that has undergone periodic partial upgrades over its lifetime. The facility currently has significant aging infrastructure in need of repair or replacement, including anaerobic digestion systems that no longer function properly. Operational issues include limited digester capacity and mixing performance, low biogas production, high sludge disposal volume, and limited organic waste receiving capacity. To solve these problems, ESG implemented a \$16.5 million Organics-to-Energy project, a comprehensive upgrade of the WRRF's solids treatment train and related aging infrastructure that improves the performance and reliability of the WRRF while simultaneously reducing its operating costs and carbon footprint.



Phase 2, currently in design and permitting, includes a 1 MW biogas CHP system that will export power under a VT PUC renewable feed-in tariff standard offer program.

## Town of Niskayuna | New York

The Town of Niskayuna, New York, faced a sewer tap ban due to falling behind on its consent order work at the wastewater treatment plant. The ESG Team and the Town quickly developed a program to address the early action items in the consent order to lift the ban while the remainder of the plant work is completed. Twenty months after ESG initiated the design, the ban was lifted, six months earlier than had been forecasted. The three phases of work comprise nearly \$31.6 million worth of expansion and rehabilitation to the 3.0 MGD treatment plant. Organics receiving was included to address the sustainability goals for the Town, and the plant will produce all of its electricity with biogas generation.



On this three-phase project, ESG has made improvements to every aspect of the treatment plant process. The improvements include:

- 300,000 gallon wet weather equalization tank
- New primary clarifier baffling system
- Two new 57-ft. diameter secondary clarifiers
- New UV disinfection system
- New gravity thickener and associated sludge pumping station
- Anaerobic digester system infrastructure upgrade, including mixing systems, covers, and sludge conveyance
- New secondary digester with gas storage cover
- New organics receiving station, organic waste storage tank, and digested sludge storage tank
- New dewatering system including belt press, gravity belt thickener, and biosolids conveyance
- New 150-kilowatt biogas electric generation system, biogas storage, electrical switchgear and utility interconnection
- New biogas-driven oil heater for biosolids dryer

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## City of Oneida Wastewater Treatment Plant | New York

The City of Oneida is undertaking a \$50 million multi-year project to design and implement long-term improvements at the City of Oneida's Wastewater Treatment Plant. The new improvements will address the requirements of a consent order issued by the New York State Department of Environmental Conservation (NYSDEC) in 2016. In addition to addressing the consent order, the project will also fully revitalize the wastewater facility, positioning it as an Organics and Water Resource Recovery Center (OWRRC). The project, which began construction earlier this year, will include improvements to the plant's organic waste loading processes, its solids processing equipment, and the existing aeration basins and secondary clarifiers.



The project's scope includes improvements to nearly every treatment process, creating a fully modernized facility that meets the State's current regulatory requirements for the next generation. These improvements will allow the City to fully address the NYSDEC Consent Order which the Wastewater Treatment Plant is currently under.

The project will also include new electrical service, including full emergency backup, for the whole facility. In addition, a new plant-wide control system, WiFi, and security will be installed.

## Washington Suburban Sanitary Commission | Laurel, Maryland

The Washington Suburban Sanitary Commission (WSSC) is the eighth largest water and wastewater utility in the nation, serving nearly 1.8 million residents and approximately 460,000 customer accounts in Prince George's and Montgomery counties, and it operates and maintains eight water and wastewater plants in addition to freshwater and sewer pipelines. In 2010, the WSSC selected ESG to complete comprehensive energy efficiency and infrastructure improvements for the Potomac Water Filtration (WFP) Plant in Potomac, Maryland. The \$6.3 million of critical infrastructure upgrades included the installation of the newest advances in technology to reduce the WSSC's raw water pumping annual energy usage by 13%.



In 2018 ESG began construction on a \$8.6 million second phase of work for the WSSC spanning several sites that included heating, ventilation, and air conditioning (HVAC), lighting, and building envelope upgrades. The WSSC's Phase 2 project will result in a 10% reduction in annual energy use and save the customer \$636,000 annually and more than \$11 million over the life of the contract.



## ESG Experience in the State of Texas

### NASA Johnson Space Center | Houston, Texas



The NASA Lyndon B. Johnson Space Center (JSC) was established in 1961 as the Manned Spaceflight Center, the home and Mission Control Center for the U.S. human space flight program. Consisting of 163 buildings and occupying 1,700 acres southeast of downtown Houston, JSC still serves as the home of Mission Control and is NASA's lead for International Space Station operations. It is also home to the Orion multi-purpose crew vehicle and various other advanced human exploration projects.

As the center has evolved into one of NASA's largest R&D facilities, grid outages and destabilization, whether through capacity constraint, weather related crises, or otherwise, accentuated the need for increased energy resiliency in support of the critical missions taking place. JSC needed to align with agency energy goals, sought to ensure power supply, and desired microgrid islanding capability. Competitively selecting and working with ESG led to the development of what will be the first Combined Heat & Power (CHP), and most significant ESPC, project in NASA history.

The \$49.9 million JSC Microgrid CHP ESPC project will offset purchased electricity and steam produced from dual fuel boilers with onsite cogeneration of 11.9 MW of electricity and 100,000 lb/hr steam. Chilled water production will be optimized by employing existing steam turbine chillers to maximize their output, thus shifting the base cooling load from electric chillers to steam turbine chillers. Electrical power generation of the combustion turbines will be supplemented by a 500 kW back pressure steam turbine generator.

Power output from the 11.9 MW CHP plant will be via interconnect at two substations, both of which are primary components of the 12.47 kV distribution system. Back-up electrical power will also be provided via these same interconnects, ensuring power to critical loads such as Mission Control.

Implementation of the CHP project alone achieved JSC Site Energy Intensity Reduction goals through 2020 and is significant enough to have a visible impact on agency-wide goals. Furthermore, the carbon footprint will be greatly reduced and energy surety will be enhanced in a capacity constrained region.

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## Naval Air Station Kingsville | Kleberg County, Texas

Established in 1942, Naval Air Station Kingsville (NASK) is home to Training Air Wing Two and several military and civilian tenants. ESG was competitively selected to design and construct a \$3.1 million turnkey 550-kW photovoltaic (PV) solar powered energy plant at NASK.

This solar project joins a handful of other “first generation” plants built on Department of Defense sites. Piles were dug to withstand the unstable soil at NASK with the panels capable of resisting up to 150-mph wind gusts.

The PV power plant produces electricity using energy radiated by the sun onto solar panels that are ground-mounted, fixed-tilt structures oriented to maximize energy captured over approximately 166,000 square feet.

Direct current produced by the panels is converted to an alternating current by inverters and then sent to step-up transformers in order to deliver the appropriate form of power to NASK’s 12.47-kV sub-transmission grid.



## City of Hearne, Texas

The City of Hearne signed a \$1.2 million energy savings performance contract with ESG to design and implement a comprehensive lighting upgrade project for 1,621 street lights and heating, ventilation, and air-conditioning (HVAC) improvements in City Hall. The improvements will result in annual energy and operational savings of over \$116,000 over the fifteen-year term of the contract.

ESG also conducted a feasibility study for the City’s WWTP and identified a potential \$2.6 million improvement project; however, due to COVID-19 and funding constraints, that project has not yet moved forward.

“We are excited to implement these innovative energy efficiency measures that will help reduce energy cost, modernize infrastructure, and promote safety and sustainability. These improvements will help fulfill our goals for continued growth and economic development.”

*John Naron, City Manager*

## Camp Swift | Bastrop, Texas

Camp Swift is a federally funded training facility within the U.S. National Guard. As part of a push by the federal government to reduce annual energy usage and potable water consumption, the Texas Army National Guard partnered with CenterPoint Energy to supply energy management services at Camp Swift through a utility energy services contract (UESC). CenterPoint competitively selected ESG to design and carry out the efficiency improvements at the camp’s facilities. \$1.3 million in improvements were carried out at 49 buildings at Camp Swift. The improvements included water conservation measures, controls upgrades, building envelope upgrades, retrocommissioning, and fuel conversion at one building.



# Statement of Qualifications for Wastewater Treatment Plant Upgrades Engineering Services Webb County

## ESG's Experience with Webb County

Over the past year, ESG has been working with Webb County to identify improvements needed at the Webb County WWTP. The drivers for these improvements are a combination of aging infrastructure, treatment capacity and performance needs, and, potentially, regulatory compliance via a consent order from the Texas Commission on Environmental Quality (TCEQ).

Our team conducted a site visit to the Webb County WWTP in 2020, and discussed the WWTP evaluation directly with Webb County's Utility Director, Thomas Sanchez.

Several major improvements to the WWTP were identified as necessary by our team. These include:

- Headworks Grit Removal and classification system replacement
- Rehabilitate existing SBR or replace with new CAS system
- Replace or rehabilitate existing aeration blowers and add VFD control, Blower bldg. repairs, electrical upgrades
- Chlorine Contact Basin (CCB) repair and new Plant Water System (PWS)
- Building upgrades:
  - Dewatering/BFP bldg.
  - Chemical/chlorine bldg.
  - CCB Blower bldg.
- Solids Processing:
  - New aerobic digesters (2 x 34' diam.), new Pump and Blower bldg. for digesters, and/or:
    - New sludge storage
    - New sludge drying beds (2), demo packaged plant, replace existing media
- Overall SCADA upgrades for WWTP automation and controls

The scope of work (SOW) document shared by Webb County appears to align with ESG's recommended improvements. It is also important to align the project SOW with the consent order requirements to ensure the proposed SOW addresses the current compliance issues at the WWTP.

Finally, ESG developed a high-level, preliminary schedule for completion of the recommended new aerobic digester facility at the Webb County WWTP based on our current understanding of request from TECQ. This schedule and support to Webb County was critical to the permit extension approved on June 23, 2021 for compliance to the existing Consent Order for the Rio Bravo WWTP.



*The ESG Team on-site at Rio Bravo WWTP*

# Statement of Qualifications for Wastewater Treatment Plant Upgrades Engineering Services Webb County

## References Form

Please list three (3) references of current or recent customers who can verify the quality of service your firm provides. The County prefers customers of similar size and scope from other government agencies from the State of Texas.

### Reference No. 1

Government / Company Name: Town of Niskayuna

Address: One Niskayuna Circle, Niskayuna, NY 12309

Contact Person / Title: Denise Murphy McGraw, Town Council

Phone Number: 518.463.5449 Email Address: [dmurphymcgraw@hgmlobby.com](mailto:dmurphymcgraw@hgmlobby.com)

Contract Period: 2018 – 2035 (construction & 15 years ESPC)

Scope of consulting services provided:

The Town of Niskayuna, New York, faced a sewer tap ban due to falling behind on its consent order work at the wastewater treatment plant. The ESG Team and the Town quickly developed a program to address the early action items in the consent order to lift the ban while the remainder of the plant work is completed. This three-phase project included improvements to every aspect of the WWTP process. Additional information has been provided in the preceding “Client References” section of this response.

### Reference No. 2

Government / Company Name: City of Oneida

Address: 109 North Main Street, Oneida, NY 13421

Contact Person / Title: Jeffrey Rowe, PE

Phone Number: 315.363.7222 Email Address: [jrowe@oneidacity.com](mailto:jrowe@oneidacity.com)

Contract Period: 2019 – 2023 for construction & 20 years ESPC

Scope of consulting services provided:

The City of Oneida is undertaking a \$50 million multi-year project to design and implement long-term improvements at the City of Oneida’s Wastewater Treatment Plant. The project’s scope includes improvements to nearly every treatment process, creating a fully modernized facility that meets the State’s current regulatory requirements for the next generation. These improvements will allow the City to fully address the NYSDEC Consent Order which the Wastewater Treatment Plant is currently under. Additional information has been provided in the preceding “Client References” section of this response.

# Statement of Qualifications for Wastewater Treatment Plant Upgrades Engineering Services Webb County

## Reference No. 3

Government / Company Name: City of Montpelier

Address: 39 Main Street, Montpelier, VT 05602

Contact Person / Title: Kurt Motyka, City Engineer

Phone Number: 802.262.6277 Email Address: [kmotyka@montpelier-vt.org](mailto:kmotyka@montpelier-vt.org)

Contract Period: 2019 – 2021 for construction & 15 years ESPC

Scope of consulting services provided:

Montpelier’s Water Resource Recovery Facility (WRRF) is a 45-year-old facility that has undergone periodic partial upgrades over its lifetime. ESG implemented a \$16.5 million Organics-to-Energy project, a comprehensive upgrade of the WRRF’s solids treatment train and related aging infrastructure that improves the performance and reliability of the WRRF while simultaneously reducing its operating costs and carbon footprint. Phase 2, currently in design and permitting, includes a 1 MW biogas CHP system that will export power under a VT PUC renewable feed-in tariff standard offer program. Additional information has been provided in the preceding “Client References” section of this response.

***\*Proposers may submit additional references for consideration.***

## Reference No. 4

Government / Company Name: City of Hearne

Address: 209 Cedar Street, Hearne, TX 77859

Contact Person / Title: John Naron, City Manager

Phone Number: 979.279.3461 Email Address: [citymanager@cityofhearne.com](mailto:citymanager@cityofhearne.com)

Contract Period: 2019 -2021 for construction & 15 years ESPC

Scope of consulting services provided:

The City of Hearne signed a \$1.2 million energy savings performance contract with Energy Systems Group to design and implement a comprehensive lighting upgrade project for 1,621 street lights and heating, ventilation, and air-conditioning (HVAC) improvements in City Hall. Additional information has been provided in the preceding “Client References” section of this response.

## OTHER

ESG's team of experts and its innovative project delivery solutions help utilities and municipalities who, like Webb County, are facing the challenge of wastewater treatment plant asset renewal achieve their objectives within existing financial constraints. What differentiates ESG is how we take the time to fully understand the goals our customers are trying to achieve, with a focus on developing solutions that minimize costs, streamline schedules, and achieve efficiencies.

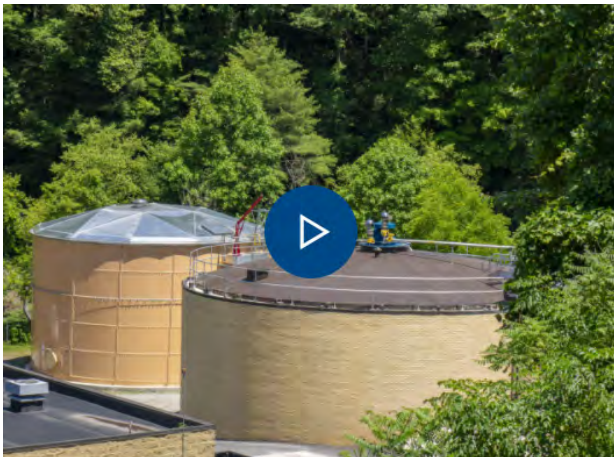
Our streamlined, goals-oriented project development process drives a focus on systems and solutions that make sense, rather than spending time reviewing the universe of technical options. In many cases, the customer's staff has already had discussions concerning many of the suitable technologies, and staff time can now be more effectively used for identifying issues, goals and for decision-making.

We also use a combined financial-technical model that allows our customers to see the impact of various technical solutions on the treatment goals, debt service, annual cash flow (operations and income), and the introduction of potential waste streams. The ability to combine real-time financial evaluations, both Cap-ex and Op-ex, with technical models showing changes in biosolids production, gas production and recycle streams, allows for an efficient evaluation of alternatives and configurations to meet project goals and metrics.

ESG also provides its customers a revenue guarantee to ensure that projects are financially viable, which minimizes risk for customers. For organics acquisition, ESG provides contracts ensuring that organics will be at the facility in the quantity and at the quality and cost that the customer specifies.

***Included below are project videos of ESG's innovative projects with the Beckley Sanitary Board and the Frederick-Winchester Service Authority.***

Beckley Sanitary Board Video



Frederick-Winchester Service Authority Video



# Statement of Qualifications for Wastewater Treatment Plant Upgrades Engineering Services Webb County

## Marketing Communications Support

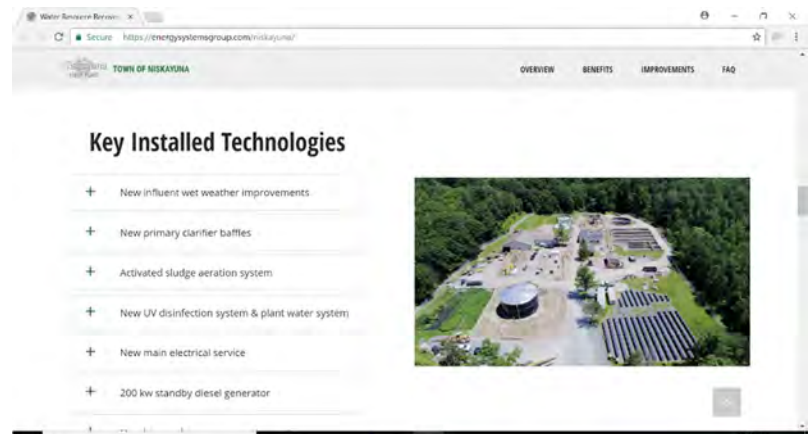
ESG provides additional support beyond simply implementing a project for its customers. This additional support speaks to ESG's commitment to being a true strategic partner and ultimately ensures the long-term success of our projects. We are also members of several industry organizations, including:



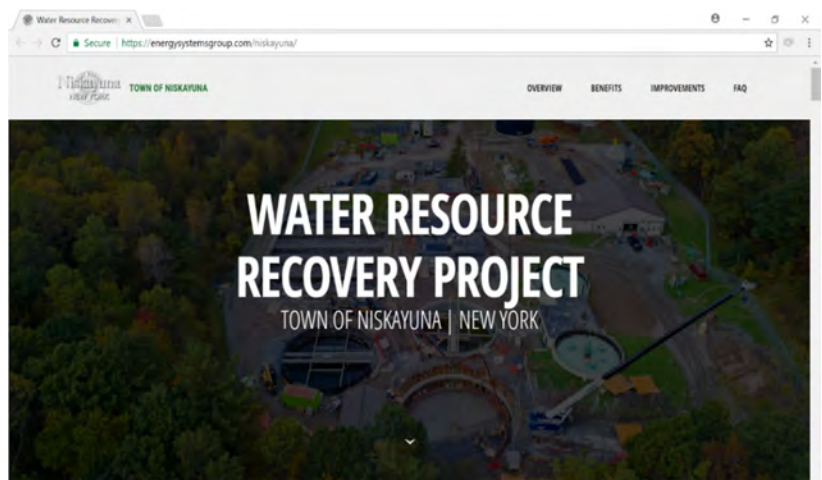
In addition to providing wastewater treatment improvement services, ESG offers our customers diverse marketing communications programs to position and communicate the benefits of the project. ESG's Marketing Communications team is committed to customizing communication materials that will best augment the County's strategic initiatives with diverse education tools, from a customized website to informational handouts that effectively communicate the energy, environmental, and technical benefits of the project.

ESG is also well networked on all key social media platforms (e.g., Facebook, Twitter, YouTube, LinkedIn, and RSS feeds) and can incorporate the integration of these social media sites in its communications plan for the County.

A customized project website can serve as a means to inform and engage the local community on many aspects of the project, including the construction process and groundbreaking. Timely progress updates can show different milestones of the project through photographs including aerial images and more. The project website can serve as a key communications tool to showcase the city's project.



Above: A page from the project website for the Town of Niskayuna. Displayed are the scope items for the project, which can be clicked on and expanded to show their completion status on the website.



Above: The home page of the project website ESG developed for the Town of Niskayuna, New York.

# RFQ CHECKLIST



**THIS FORM MUST BE INCLUDED WITH RFQ PACKAGE; PLEASE CHECK OFF EACH ITEM INCLUDED WITH RFQ PACKAGE AND SIGN BELOW TO COMPLETE SUBMITTAL OF EACH REQUIRED ITEM.**

***RFQ # 2021-008  
“Webb County Wastewater Treatment Plant Upgrades –  
Engineering Services”***

- Statement of Qualifications
  
- Proposers Information form
  
- References form
  
- Conflict of Interest form (Form CIQ)
  
- Certification regarding Debarment (Form H2048)
  
- Certification regarding Federal lobbying (Form 2049)
  
- Purchasing Code of Ethics Affidavit
  
- Proof of No Delinquent Tax Owed to Webb County
  
- Garver Task 6 Report
  
- TCEQ Agreed Order
  
- TCEQ Fourth Amended Schedule

*Jarret Simon*

\_\_\_\_\_  
Signature of Authorized Official completing RFQ

August 18, 2021

\_\_\_\_\_  
Date

# PROPOSER INFORMATION



**Proposer Information**

Name of Company: Energy Systems Group, LLC  
Address: 9877 Eastgate Court  
City and State: Newburgh, IN 47630  
Phone: 281.545.0671  
Email Address: jroman@energysystemsgroup.com

Signature of Person Authorized to Sign:

Jarrett E. Simon

Signature

Jarrett E. Simon

Print Name

Vice President

Title

Indicate status as to "Partnership", "Corporation", "Land Owner", etc.

Limited Liability Company

8/19/2021

(Date)

**Note:**

*All submissions relative to these RFQ shall become the property of Webb County and are nonreturnable. If any further information is required, please call the Webb County Contract Administrator, Juan Guerrero, at (956)523-4125.*

# SUPPLIER INFORMATION

**Supplier Information**

Company Name: Energy Systems Group, LLC

Contact Name: Jorge Roman, Account Executive

Address: 9877 Eastgate Court

Newburgh, IN 47630

Phone: 281.545.0671

Fax: 812.475.2544

Email: jroman@energysystemsgroup.com

**Supplier Notes**

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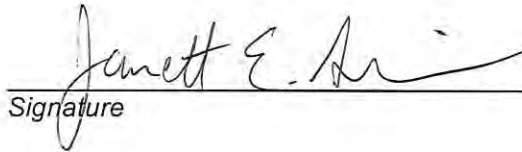
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By submitting your response, you certify that you are authorized to represent and bind your company.

Jarrett E. Simon, Vice President

*Print Name*



*Signature*

**GENERAL AFFIDAVIT  
PURCHASING ETHICS**

**WEBB COUNTY PURCHASING DEPT.  
QUALIFIED PARTICIPATING VENDOR CODE OF ETHICS  
AFFIDAVIT FORM**

STATE OF TEXAS \*

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF Harris \*

BEFORE ME the undersigned Notary Public, appeared Garrett Simon  
the herein-named "Affiant", who is a resident of Montgomery County,  
State of Texas, and upon his/her respective oath, either individually and/or behalf  
of their respective company/entity, do hereby state that I have personal knowledge of the  
following facts, statements, matters, and/or other matters set forth herein are true and correct  
to the best of my knowledge.

*I personally, and/or in my respective authority/capacity on behalf of my company/entity do hereby confirm that I have reviewed and agree to fully comply with all the terms, duties, ethical policy obligations and/or conditions as required to be a qualified participating vendor with Webb County, Texas as set forth in the Webb County Purchasing Code of Ethics Policy posted at the following address: <http://www.webbcountytexas.gov/PurchasingAgent/PurchasingEthicsPolicy.pdf>*

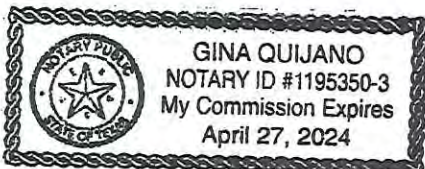
*I personally, and/or in my respective authority/capacity on behalf of my company/entity do hereby further acknowledge, agree and understand that as a participating vendor with Webb County, Texas on any active solicitation/proposal/qualification that I and/or my company/entity failure to comply with the Code of Ethics policy may result in my and/or my company/entity disqualification, debarment or make void my contract awarded to me, my company/entity by Webb County. I agree to communicate with the Purchasing Agent or his designees should I have questions or concerns regarding this policy to ensure full compliance by contacting the Webb County Purchasing Dept. via telephone at (956) 523-4125 or e-mail to the Webb County Purchasing Agent to [joel@webbcountytexas.gov](mailto:joel@webbcountytexas.gov).*

Executed and dated this 19 day of AUGUST, 2021.

Janett E. Simon  
Signature of Affiant

Energy Systems Group, LLC  
Printed Name of Affiant/Company/Entity

SWORN to and subscribed before me, this 19<sup>th</sup> day August, 2021



Gina Quijano  
NOTARY PUBLIC, STATE OF TEXAS

# ADDITIONAL FORMS



## MINIMUM INSURANCE REQUIREMENTS

During the term of the Contract, the Contractor at its sole cost and expense shall provide primary commercial insurance of such type and with such terms and limits as may be reasonably associated with the Contract. As a minimum, the Contractor shall provide and maintain the following coverage and limits:

**Workers Compensation**, as required by the laws of Texas, and **Employers' Liability**, as well as All States, USL&H and other endorsements if applicable to the project, and in accordance with state law.

**Employers' Liability**

Each Accident: \$1,000,000

Disease – Each Employee:

\$1,000,000 Policy Limit:

\$1,000,000

**Commercial General Liability**, including but not limited to the coverage indicated below. Coverage shall not exclude or limit Products/Completed Operations, Contractual Liability, or Cross Liability. Webb County shall be named Additional Insured on primary/non-contributory basis.

Each Occurrence: \$1,000,000

Personal and Advertising Injury:

\$1,000,000 Products/Completed

Operations: \$1,000,000 General

Aggregate (per project): \$2,000,000

**Automobile Liability**, including coverage for all owned, hired, and non-owned vehicles used in connection with the contract. Webb County shall be named Additional Insured on primary/non-contributory basis.

Combined Single Limit-Each Accident: \$1,000,000

**Umbrella/Excess Liability** (Webb County shall be named Additional Insured on primary/non-contributory

basis) Each Occurrence/Aggregate: \$1,000,000

**Professional/Errors & Omissions Liability** (if applicable) Each Occurrence/Aggregate: \$1,000,000

Policies of insurance required by the contract shall waive all rights of subrogation against the County, its officers, employees and agents. If any applicable insurance policies are cancelled, materially changed, or non-renewed, contractor shall give written notice to the County at least 30 days prior to such effective date and within 30 days thereafter, shall provide evidence of suitable replacement policies. Failure to keep in force the required insurance coverage may result in termination of the contract. Upon request, certified copies of original insurance policies shall be furnished to the County.

**CONFLICT OF INTEREST QUESTIONNAIRE**  
For vendor doing business with local governmental entity

**FORM CIQ**

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

**OFFICE USE ONLY**

Date Received

**1** Name of vendor who has a business relationship with local governmental entity.

**2**  Check this box if you are filing an update to a previously filed questionnaire. (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

**3** Name of local government officer about whom the information is being disclosed.

\_\_\_\_\_  
Name of Officer

**4** Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income, other than investment income, from the vendor?

Yes       No

B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

Yes       No

**5** Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.

**6**  Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

**7**

\_\_\_\_\_  
Signature of vendor doing business with the governmental entity

\_\_\_\_\_  
Date

## CONFLICT OF INTEREST QUESTIONNAIRE

### For vendor doing business with local governmental entity

A complete copy of Chapter 176 of the Local Government Code may be found at <http://www.statutes.legis.state.tx.us/Docs/LG/htm/LG.176.htm>. For easy reference, below are some of the sections cited on this form.

**Local Government Code § 176.001(1-a):** "Business relationship" means a connection between two or more parties based on commercial activity of one of the parties. The term does not include a connection based on:

- (A) a transaction that is subject to rate or fee regulation by a federal, state, or local governmental entity or an agency of a federal, state, or local governmental entity;
- (B) a transaction conducted at a price and subject to terms available to the public; or
- (C) a purchase or lease of goods or services from a person that is chartered by a state or federal agency and that is subject to regular examination by, and reporting to, that agency.

**Local Government Code § 176.003(a)(2)(A) and (B):**

(a) A local government officer shall file a conflicts disclosure statement with respect to a vendor if:

\*\*\*

(2) the vendor:

(A) has an employment or other business relationship with the local government officer or a family member of the officer that results in the officer or family member receiving taxable income, other than investment income, that exceeds \$2,500 during the 12-month period preceding the date that the officer becomes aware that

(i) a contract between the local governmental entity and vendor has been executed;

or

(ii) the local governmental entity is considering entering into a contract with the vendor;

(B) has given to the local government officer or a family member of the officer one or more gifts that have an aggregate value of more than \$100 in the 12-month period preceding the date the officer becomes aware that:

(i) a contract between the local governmental entity and vendor has been executed; or

(ii) the local governmental entity is considering entering into a contract with the vendor.

**Local Government Code § 176.006(a) and (a-1)**

(a) A vendor shall file a completed conflict of interest questionnaire if the vendor has a business relationship with a local governmental entity and:

(1) has an employment or other business relationship with a local government officer of that local governmental entity, or a family member of the officer, described by Section 176.003(a)(2)(A);

(2) has given a local government officer of that local governmental entity, or a family member of the officer, one or more gifts with the aggregate value specified by Section 176.003(a)(2)(B), excluding any gift described by Section 176.003(a-1); or

(3) has a family relationship with a local government officer of that local governmental entity.

(a-1) The completed conflict of interest questionnaire must be filed with the appropriate records administrator not later than the seventh business day after the later of:

(1) the date that the vendor:

(A) begins discussions or negotiations to enter into a contract with the local governmental entity; or

(B) submits to the local governmental entity an application, response to a request for proposals or bids, correspondence, or another writing related to a potential contract with the local governmental entity; or

(2) the date the vendor becomes aware:

(A) of an employment or other business relationship with a local government officer, or a family member of the officer, described by Subsection (a);

(B) that the vendor has given one or more gifts described by Subsection (a); or

(C) of a family relationship with a local government officer.

**CERTIFICATION**  
REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY  
EXCLUSION FOR COVERED CONTRACTS

**PART A.**

Federal Executive Orders 12549 and 12689 require the Texas Department of Agriculture (TDA) to screen each covered potential contractor to determine whether each has a right to obtain a contract in accordance with federal regulations on debarment, suspension, ineligibility, and voluntary exclusion. Each covered contractor must also screen each of its covered subcontractors.

In this certification "contractor" refers to both contractor and subcontractor; "contract" refers to both contract and subcontract.

By signing and submitting this certification the potential contractor accepts the following terms:

1. The certification herein below is a material representation of fact upon which reliance was placed when this contract was entered into. If it is later determined that the potential contractor knowingly rendered an erroneous certification, in addition to other remedies available to the federal government, the Department of Health and Human Services, United States Department of Agriculture or other federal department or agency, or the TDA may pursue available remedies, including suspension and/or debarment.
2. The potential contractor will provide immediate written notice to the person to which this certification is submitted if at any time the potential contractor learns that the certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
3. The words "covered contract", "debarred", "suspended", "ineligible", "participant", "person", "principal", "proposal", and "voluntarily excluded", as used in this certification have meanings based upon materials in the Definitions and Coverage sections of federal rules implementing Executive Order 12549. Usage is as defined in the attachment.
4. The potential contractor agrees by submitting this certification that, should the proposed covered contract be entered into, it will not knowingly enter into any subcontract with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the Department of Health and Human Services, United States Department of Agriculture or other federal department or agency, and/or the TDA, as applicable.

Do you have or do you anticipate having subcontractors under this proposed contract?

Yes

No

5. The potential contractor further agrees by submitting this certification that it will include this certification titled "Certification Regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion for Covered Contracts" without modification, in all covered subcontracts and in solicitations for all covered subcontracts.
6. A contractor may rely upon a certification of a potential subcontractor that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered contract, unless it knows that the certification is erroneous. A contractor must, at a minimum, obtain certifications from its covered subcontractors upon each subcontract's initiation and upon each renewal.
7. Nothing contained in all the foregoing will be construed to require establishment of a system of records in order to render in good faith the certification required by this certification document. The knowledge and information of a contractor is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
8. Except for contracts authorized under paragraph 4 of these terms, if a contractor in a covered contract knowingly enters into a covered subcontract with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the federal government, Department of Health and Human Services, United States Department of Agriculture, or other federal department or agency, as applicable, and/or the TDA may pursue available remedies, including suspension and/or debarment.

**PART B. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION FOR COVERED CONTRACTS**

Indicate in the appropriate box which statement applies to the covered potential contractor:

- The potential contractor certifies, by submission of this certification, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this contract by any federal department or agency or by the State of Texas.
- The potential contractor is unable to certify to one or more of the terms in this certification. In this instance, the potential contractor must attach an explanation for each of the above terms to which he is unable to make certification. Attach the explanation(s) to this certification.

Name of Contractor	Vendor ID No. or Social Security No.	Program No.
Energy Systems Group, LLC	35-2017952	

Janett E. Simon  
Signature of Authorized Representative

8/19/2021  
Date

Jarrett E. Simon, Vice President  
Printed/Typed Name and Title of Authorized Representative

**CERTIFICATION REGARDING FEDERAL LOBBYING**  
**(Certification for Contracts, Grants, Loans, and Cooperative Agreements)**

**PART A. PREAMBLE**

Federal legislation, Section 319 of Public Law 101-121 generally prohibits entities from using federally appropriated funds to lobby the executive or legislative branches of the federal government. Section 319 specifically requires disclosure of certain lobbying activities. A federal government-wide rule, "New Restrictions on Lobbying", published in the Federal Register, February 26, 1990, requires certification and disclosure in specific instances.

**PART B. CERTIFICATION**

This certification applies only to the instant federal action for which the certification is being obtained and is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$100,000 for each such failure.

The undersigned certifies, to the best of his or her knowledge and belief, that:

1. No federally appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with the awarding of any federal contract, the making of any federal grant, the making of any federal loan, the entering into of any cooperative agreement, or the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.
2. If any funds other than federally appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with these federally funded contract, subcontract, subgrant, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying", in accordance with its instructions. (If needed, contact the Texas Department of Agriculture to obtain a copy of Standard Form-LLL.)

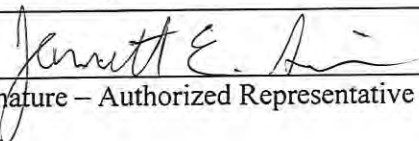
3. The undersigned shall require that the language of this certification be included in the award documents for all covered subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all covered subrecipients will certify and disclose accordingly.

Do you have or do you anticipate having covered subawards under this transaction?

- Yes  
 No

Name of Contractor/Potential Contractor	Vendor ID No. or Social Security No.	Program No.
Energy Systems Group, LLC	35-2017952	

Name of Authorized Representative	Title
Jarrett E. Simon	Vice President

  
Signature – Authorized Representative

8/19/2021  
Date

PROOF OF NO DELINQUENT TAXES OWED TO WEBB COUNTY

Name Energy Systems Group, LLC owes no delinquent property taxes to Webb County.

Energy Systems Group, LLC owes no property taxes as a business in Webb County.  
(Business Name)

Energy Systems Group, LLC owes no property taxes as a resident of Webb County.  
(Business Owner)

Jarrett E. Simon, Vice President  
Person who can attest to the above information

**\* SIGNED NOTORIZED DOCUMENT AND PROOF OF NO DELINQUENT TAXES TO WEBB COUNTY.**

The State of Texas  
County of Harris  
Before me, a Notary Public, on this day personally appeared Jarrett E. Simon, know to me ( or proved to me on the oath of Jarrett E. Simon to be the person whose name is subscribed to the forgoing instrument and acknowledged to me that he executed the same for the purpose and consideration therein expressed.

Given under my hand and seal of office this 19<sup>th</sup> day of August 2021.

Notary Public, State of Texas



Gina Quijano

(Print name of Notary Public here)

My commission expires the 27<sup>th</sup> day of April 2024.