

Qualifications to Provide

CHARLOTTE COUNTY

DESIGN GENERATOR INSTALLATIONS

RFP 2024000147 | DECEMBER 15, 2023



JOHNSON
ENGINEERING

Cover Letter

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December 15, 2023

Charlotte County
Purchasing Division
18500 Murdock Circle, Suite 344
Port Charlotte, FL 33948-1094

Re: Design Generator Installations - RFP No. 2024000147

Dear Selection Advisory Committee Members:

Johnson Engineering is pleased to submit a response to the above referenced RFQ as prime consultant with RG Architects as a sub-consultant. As a local leader in water and wastewater engineering for critical infrastructure, Johnson Engineering has completed or are currently providing professional design and construction services for numerous local genset retrofit projects as well as new genset projects.

With our main office in Fort Myers and local office in Port Charlotte, our close proximity to the two project job sites will greatly enhance and facilitate field research, onsite meetings, site inspection during construction, interfacing with the contractor and interaction with County facilities staff.

Within our submittal, we have summarized significant past projects involving medium and large generator installations for critical infrastructure that illustrate our specific engineering expertise and proven relevant local and recent experience to accomplish all the tasks required for this project.

Johnson Engineering is one of the oldest and most prominent civil engineering firms in Southwest Florida. Our team of more than 120 team members consists of professional engineers, surveyors, ecologists, scientists, geologists, certified planners, and landscape architects. We have helped guide city, county, and state governmental institutions as well as private companies through the design and permitting process for decades. Our extensive list of well-known Florida roads, shopping centers, schools, hospitals, residential communities, resorts, and commercial developments show our continued dedication to responsibly develop and improve Florida's communities. Johnson Engineering has the primary relevant disciplines in-house including Electrical Engineering (who will serve as the Engineer-of-Record), Civil Engineering, and Survey. We believe that the small design team that we have proposed will collaborate very efficiently to work closely with the County.

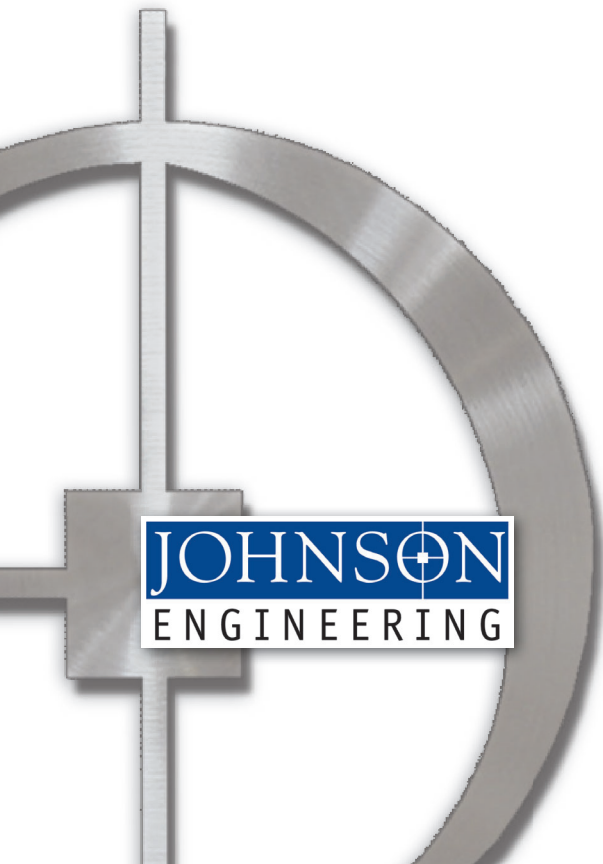
We look forward to bringing this critical project to fruition for the County.

Sincerely,
Johnson Engineering, Inc.


Wayne Wright, PE
Project Manager

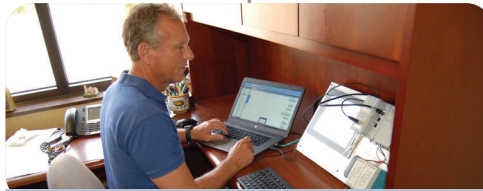
*This proposal is made without collusion with any other person or entity submitting a proposal pursuant to this RFP.

I. Team Proposed for this Project



A. BACKGROUND OF THE PERSONNEL

CHARLOTTE COUNTY



Wayne Wright, PE
Project Manager / Sr. Electrical Engineer



Chris Beers, PE, PSM
Permitting & Environmental Assessments



Mark Haines, PSM
Survey



Erik Howard, PE, PSM
Civil Engineering



Rick Acosta, PE, CFM
Certified Floodplain Manager



Ryan Richards, AIA
Architectural Services

B. BIOS & RESUMES



Johnson Engineering states these persons will not be substituted without the express permission of the County for the duration of this project.

I. Project Manager

Wayne Wright, PE - Project Manager / Sr. Electrical Engineer

Wayne has 41 years of experience working as an electrical engineer. His experience includes concurrent instrumentation and controls/SCADA projects including design and implementation, conducting process evaluations, SCADA architecture concepts, I&C programming and design during a project's implementation phases, providing control panel electrical designs for motor control and instrumentation using AutoCAD, PLC/HMI/OIT programming and system start-up and commissioning, and low voltage power distribution and lightning protection. Wayne has worked with civil, mechanical and power engineers and is familiar with managing project scope, schedule and budget from conceptual design through detailed design and construction completion.

2. Sub-Consultants & Key Personnel



Chris Beers, PE, PSM - Permitting & Environmental Assessments

Chris is the branch manager of our Charlotte County office and has 27 years of experience. He has successfully managed and led many Charlotte County projects including sidewalks (paths), storm structures, regional parks, roadways, bridges and others. He has managed land development projects in Florida, Utah, Kentucky, and Indiana. He is well versed in numerous engineering disciplines, as well as environmental components of the projects he has managed. As the manager of our Charlotte County office, Chris is very familiar with the local stakeholders and issues.



Mark Haines, PSM. - Surveying

Mark joined Johnson Engineering in 2016 and has more than three decades of experience in the field of surveying throughout Florida. His experience includes projects in Lee, Charlotte, Collier, Hardee, Hendry, Highlands, Okeechobee, Sarasota and Miami-Dade counties. He has performed surveys for the public and private sector of Southwest Florida for many years including, large boundary and topographic surveys, control for aerial photogrammetric and LiDAR on large scale mapping projects, design surveys for both the land development and transportation sectors, mean high water surveys, preparation of legal descriptions and sketches, condominium surveys and exhibits, preparation of plats, as-built and record surveys, various construction survey projects, mapping of jurisdictional wetland lines and route surveys for large scale utility projects. Mark has worked with a wide range of government agencies and municipalities in providing surveying services including South Florida Water Management District, USDA, National Resource Conservation Service (NRCS), Florida Gulf Coast University, Florida DEP, Lee County, Charlotte County and the City of Fort Myers.



Erik Howard, PE, PSM - Civil Engineer

Erik joined Johnson Engineering in 2003. Erik earned both his Master of Engineering and Bachelor of Science in Civil Engineering degrees from the University of Florida. As an engineer, licensed water well contractor, general contractor and plumbing contractor, Erik is familiar with both the technical and construction side of piping and pumping projects that comprise utility infrastructure. He has 21 years of engineering experience and his project experience with Lee County includes projects such as Daniels Parkway Force Main Extension to Gateway, Green Meadows Water Treatment Plant Expansion, RSW 24" Water Transmission Main, and Corkscrew 5 MGD Wellfield Expansion. His experience includes hydraulic modeling, model calibration, design of pressure pipe systems, groundwater wells and sanitary sewer, and construction phase services. He also holds general, plumbing, and electrical contractor licenses as well as state water well contractor license.



Rick Acosta, PE, CFM - Certified Floodplain Manager

Rick joined Johnson Engineering in 2006. He is a project manager in the firm's surface water management department. He has designed and permitted surface water management systems for roadway, site development and assorted environmental projects through the South Florida and Southwest Florida Water Management Districts. Rick is a Certified Floodplain Manager and is accomplished in backwater profile modeling for adjustments to FEMA FIRMs. His modeling experience also analyzes water quality for treatment facilities related to municipalities achieving their obligations under the TMDL program.



RG Architects - Ryan Richards, AIA - Architecture

RGA has been in business since 2012, made up of a team with more than 100 years of combined experience. The firm is very familiar with institutional projects that include architecture and engineering for multiple projects throughout Southwest Florida. They are committed to providing their clients with the highest standards of service and to deliver exceptional design ideas and solutions. They work hard to satisfy the unique and specific needs of each project, to create an aesthetically pleasing, functional, sustainable, and cost-effective design.

WAYNE WRIGHT, PE**Senior Electrical Engineer**

wwright@johnsoneng.com
239.461.2446

Years Experience

41 years

Licensing & Registration

Florida Professional Engineer,
License No. 58220

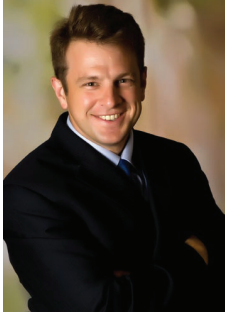
Education/Training

B.S. Engineering (1982),
Duke University

Wayne has 41 years of experience working as an electrical, instrumentation & controls (EI&C) engineer. His experience includes design and implementation of power, instrumentation, process control, industrial control, systems integration and commissioning, site and process evaluations, SCADA architecture, networking, telemetry, and PLC/HMI/OIT programming. Wayne has provided control panel electrical designs for motor control, instrumentation, low voltage power distribution, lighting, and lightning protection. Wayne has worked on projects with multiple disciplines in project management and project engineering roles managing project scope, schedule, and budget from conceptual design through detailed design and construction completion and has provided engineer-of-record and construction observation services.

Relevant Experience

- **WRF Switchgear, MCC & Generator Controls Upgrade, City of Naples Utilities, Naples, FL** - Our team provided electrical engineering design, construction and integration services associated with the replacement of the 1250KW Generator #1 controller and switchgear MCC#3, MCC#4, and a generator control system field retrofit. An extensive utilization of cable tray raceways were designed to efficiently route conductors throughout the electrical room. Installation was completed on time and on budget with minimal planned downtime.
- **WTP Switchgear, MCC's, Generators Replacement and New Electrical Room, City of Naples Utilities, Naples, FL** - Successfully completed an ambitious project where our team provided electrical engineering design services to be followed by associated construction and integration services for the replacement of all of the 480V power distribution switchgear, panelboards and motor control equipment throughout the plant and some associated low voltage equipment, all of which had reached the end of its useful life. Construction services will be provided to facilitate installation and minimize planned downtime. An extensive utilization of cable tray and cable bus raceways were designed to efficiently route power and control circuits throughout the plant. A new electrical room was designed for most of the new equipment. We also provided the electrical and concrete pad design to replace two 750KW standalone generators with three 500KW generators configured in parallel, including programming and integration of the utility-generator transfer/re-transfer scheme.
- **Northeast Wastewater Service Area (NESA) WRF, IQ Booster Station & Potable Booster Station, Collier County Utilities, Naples, FL** - As part of a multi-discipline design/build team, this is an active project to provide all electrical design, construction, and integration services to build a new Wastewater Reclamation Facility and two co-located booster stations. The WRF will consist of two independent 750,000 GPD interconnected units for reliability that will have a total capacity of 1.5 MGD on a Maximum Monthly Average Daily Flow basis and will utilize onsite rapid infiltration basins for effluent disposal. A new electrical room, 3200-amp switchgear, two motor control centers, distribution panelboards, various instrumentation, and six PLC-based control panels. All PLC programming, integration, and commissioning will be provided as well. There will be two 500KW generators configured in parallel for standby power.
- **WRF Generators Replacement, City of Naples Utilities, Naples, FL** - We provided design services to replace one 1250KW stand-alone generator and one 1500KW stand-alone generator with four generators configured in parallel with a cumulative capacity of 2400KW. Construction services are being provided to include PLC, Operator Terminal and programming and integration and startup assistance for transfer and re-transfer from utility to standby power.
- **WRF Generators Assessment and Concept Design, City of Naples Utilities, Naples, FL** - Our team provided preliminary design concept electrical engineering options, cost analyses, and technical recommendations for the planned replacement of one 1200KW generator and one 1500KW generator with four 600KW generators configured in parallel. Potential solutions were evaluated based on technical, operational and financial benefits.
- **RTU Assessment and Design Review, City of Naples Utilities, Naples, FL** - Our team provided an evaluation of the various lift station RTU technologies available. We recommended an RTU solution and subsequently conducted shop drawing reviews of the hardware.

CHRISTOPHER BEERS, PE, PSM**Port Charlotte
Branch Manager**

cbeers@johnsoneng.com
941.766.6262

Years Experience

29 years

Education/Training

MBA (2003), Indiana University

B.S. Civil Engineering (1994),
Brigham Young University

Licensing & Registration

Florida Professional Engineer,
License No. 64594

Florida Professional Surveyor &
Mapper, License No. 6664

Indiana Professional Engineer,
License No. 1000003 59

Utah Professional Engineer,
License No. 276397-2202

Kentucky Professional Engineer,
License No. 24118

Kentucky Professional Surveyor,
License No. 3744

Professional Affiliations

Peace River Engineering Society

Charlotte County Economic
Development Partners

FES Myakka Chapter Member

Chris joined Johnson Engineering in 2006 and is the branch manager of our Charlotte County office. His relevant experience includes years of managing civil engineering projects of all scopes and scales, including stormwater, utilities, transportation, aviation, and land development for both public and private clientele. During his time in Port Charlotte, Chris has provided leadership for several Charlotte County capital projects including stormwater, parks and transportation projects. He can take a project from conception to as-built performing or managing the multiple disciplines needed to bring a project together. He has a diverse background in permitting and agency (Federal, State and local) compliance. He has represented projects and clients in a variety of public processes and led community involvement in meetings. He is a Charlotte County resident living in Deep Creek.

Relevant Experience

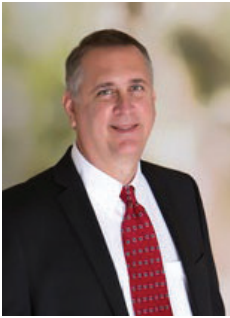
- **O'Donnell Regional Park - Baseball Field Addition, Port Charlotte** - Project manager new NCAA Division I Baseball Field addition. Included SWFWMD, Charlotte County, CCU permitting. Currently in construction, to be completed for Big Ten NCAA Baseball Tourney to begin Feb 2012.
- **O'Donnell Regional Park Phase 2, Port Charlotte** - Project manager for 83± acre regional park for the Charlotte County Parks Department; facilities include softball, baseball, soccer, frisbee golf, lake system, etc.
- **Oyster Creek Regional Park, Englewood** - This marquee park for the Charlotte County Regional Park system is located in Englewood on San Casa Road. It is a 175-acre park that includes 65+ acres of improvements consisting of three football fields, Cricket field, basketball, tennis, pool facilities, and 18,000 square foot 'state of the art' skate park, along with other amenities. The park has 3,700+ linear feet of nature trails and 3,000+ linear feet of pedestrian trails. Chris served as project manager, field engineer and the engineer of record during the construction phase, completion and agency close-out.
- **Elkcam Waterway Bridge on US 41 Access Roads, Charlotte County** - Project engineer for survey, design and permitting for both access road bridges for the civil portions of projects. Was member of design/build team, started project in March 2011 and began construction in July 2011 with all permits acquired. Now in construction.
- **Bermont Road (C.R. 74) Box Culvert Replacement (FDOT Bridge #010010)** - Project manager and member of three engineering firm design/build team on this roadway project. Specific tasks included 7.5+ miles of roadway survey, all environmental aspects of the project, design/permitting of box culvert replacement including drainage, dewatering, MOT, public utility relocation, private utility coordination, FDOT, SWFWMD, FDEP and local permitting.
- **Year 1 Sidewalks, Charlotte County** - Project manager for survey, design and permitting for six sidewalk locations within Charlotte County comprising of 5.5 miles of 6'-8' sidewalk. Construction has commenced on 5/6 sidewalks.
- **Year 3 Sidewalks, Charlotte County** - Project manager for survey, design and permitting for 13 sidewalk locations within Charlotte County comprising of 15.2 miles of 8' sidewalk. The design is in various stages of progress.
- **2011 Storm Structures Series, Port Charlotte** - Project manager for the survey, design and permitting of six storm structures within Greater Port Charlotte. The design for these is about at the 30% stage with all survey/SUE work complete and first reviews complete. All will be certified as FDOT inventory bridges.
- **2009 Storm Structures Series, Port Charlotte** - Project manager for the survey, design and permitting of four storm structures within the Little Alligator Creek Basin. Two of these structures are on Peachland Boulevard, one is on Quesada Avenue and one on Kenilworth. All are designed are certified to be new bridges on the FDOT inventory. All projects have sidewalks and are ADA compliant. Two are completed and 2 are in construction.
- **Greater Port Charlotte Group 3 Storm Structures** - Project manager and engineer-of-record for completion on five of the 12 structures within the canal and waterway system for Charlotte County Public Works.

- **Fire District #10, Charlotte County** - Johnson Engineering performed the survey, site design, permitting, Charlotte County site plan review, utility design/permitting, environmental, and landscape design for this new fire station on Palm Island. This project was unique as it was on a barrier island and had to abide by the Bridgeless Barrier Island Land Development Zoning code and regulations. Also, the property selection due diligence portion was extensive with the County requiring public meetings and presentation to the Fire Marshal and Board of County Commissioners. The property had gopher tortoises which required extensive environmental studies and gopher tortoise permitting and relocation. The project was completed on time and within budget.
- **MURT Phase 2 & 3, City of Punta Gorda** - Johnson Engineering is the engineer of record for Phase 2 and Phase 3 of the City's MURT along U.S. 41. These phases travel U.S. 41 from Airport Road to Aqui Esta and Monaco Drive to Taylor Road. It will also connect to the current Burnt Store/Jones Loop intersection improvements being constructed. This 10' wide path will help complete the City's master planned "Loop Around the City" and be a great resource for the City's residents. Chris Beers is the engineer of record and project manager and has been coordinating with City officials since the inception of the project. Much coordination with FDOT, FPL Fibernet, Railroad, Lighting and others is necessary for the completion of this project.
- **Eastport Master Planning, Charlotte County** - Johnson Engineering provided professional planning and design services for approximately 691 acres located in the northwest quadrant of Interstate 75 and Harborview Road in Port Charlotte. The goal of this project was to create a long-term plan for future County facilities. We conducted interviews with personnel of five Departments/Divisions to determine anticipated needs and trends over a 20-year horizon to accommodate future growth of: Facilities Construction and Maintenance, Utilities (Loveland Complex, Administration, Warehouse), Community Services Maintenance and Natural Resources, Public Works Administration, Operations and Engineering. The Master Plan provides a framework and vision for the County to ensure adequate access, parking, water management, building space, yard areas, and open space are allocated within the County's government facility campus so they can meet future demands.
- **2069 Fraser Street Water & Sewer Main Extension, Charlotte County** - Johnson Engineering was retained for the survey, design, engineering, permitting and construction observation of this water and sewer main extension on behalf of the developers of a duplex project in Charlotte County. Charlotte County Utilities Department (CCUD) is the operating utility and all plans and permitting was governed by CCUD standards and approval. This required plans and construction document preparation for extension and permitting through Florida Department of Environmental Protection (FDEP).
- **Cape Haze Drive Sidewalk and Utility Replacement, Charlotte County** - Johnson Engineering was retained for the survey, design, engineering, permitting and construction observation of this sidewalk, water and sewer main extension for approx. 4,000 LF of Cape Haze Drive for Charlotte County Public Works (CCPW). Charlotte County Utilities Department (CCUD) was the operating utility for the water and sewer and Charlotte County Public Works (CCPW) for the sidewalk/roadway/drainage. Johnson Engineering coordinated all these different entities and utility permitting through Florida Department of Environmental Protection (FDEP) and assembled the entire construction package for the County.



MARK HAINES, PSM

Professional Surveyor & Mapper



mhaines@johnsoneng.com
239.461.2417

Years Experience

39 years

Licensing & Registration

Florida Professional Surveyor & Mapper, License No. LS5312

Education/Training

A.A. Pre-engineering (1984),
Edison Community College

B.S. Surveying & Mapping (1989)
University of Florida

Professional Affiliations

National Society of Professional
Surveyors (NSPS)

Florida Surveying and
Mapping Society (FSMS)

Mark joined Johnson Engineering in 2016 and has more than three decades of experience in the field of surveying throughout Florida. His experience includes projects in Lee, Charlotte, Collier, Hardee, Hendry, Highlands, Okeechobee, Sarasota and Miami-Dade counties. He has performed surveys for the public and private sector of Southwest Florida for many years including, large boundary and topographic surveys, control for aerial photogrammetric and LiDAR on large scale mapping projects, design surveys for both the land development and transportation sectors, mean high water surveys, preparation of legal descriptions and sketches, condominium surveys and exhibits, preparation of plats, as-built and record surveys, various construction survey projects, mapping of jurisdictional wetland lines and route surveys for large scale utility projects. He began his career in the field as a rodman, advancing through the positions of instrument operator, survey crew chief, survey technician, project surveyor and project manager. Mark has worked with a wide range of government agencies and municipalities in providing surveying services including South Florida Water Management District, USDA, National Resource Conservation Service (NRCS), Florida Gulf Coast University, Florida DEP, Lee County, Charlotte County and the City of Fort Myers. He also had been involved in private development projects including Riverwood, Pelican Landing, Magnolia Landing, The Plantation, Hawthorne, the Forum, and Heritage Bay.

Relevant Experience

- **School District of Lee County** - Project surveyor for several school sites in support of engineering design, environmental wetlands mapping and transportation design services. Responsible for establishing primary survey control and for the preparation of boundary & topographic survey. Also worked on the analysis and resolution of possible title issues along with reviews of possible encumbrances and easements for each property.
- **Alico Road, Lee County** - Mark was responsible for the project surveyor for an approximately 2-mile four lane design project for Lee County DOT. He researched existing deeds, section corners, older surveys, plats and title information to establish the existing right-of-way of Alico Road, supervised the preparation of a right-of-way map, a control survey and a maintained right-of-way survey for the project, and prepared legal descriptions of parcels for right-of-way takings and for easements required for the project.
- **Corkscrew Road, South Lee County** - Mark was the project surveyor responsible for surveying in support of ongoing engineering design for an approximately 4-mile roadway expansion. He researched existing deeds, section corners, older surveys, plats and title information to establish the existing right-of-way of Corkscrew Road and prepared topographic surveys of the existing conditions along the roadway corridor.
- **City of Fort Myers Fire Station No. 17** - Project surveyor for proposed Fire Station on a 2.7-acre site located along Six Mile Cypress Parkway. Prepared a boundary & topographic survey in support of site development, and transportation design.
- **Lee County Utilities Operation Center** - Project surveyor for project in support of engineering design and groundwater resources permitting. The project involved reconciling fractional portions of an original GLO section with several adjacent plats. Surveying services also included the coordination and layout and mapping of numerous soil borings and other subsurface exploration excavations.
- **Shell Point, South Lee County** - Mark was the project surveyor for the re-development of portions of the Shell Point Community. He was responsible for the preparation of various legal descriptions for utility easements, conservation areas and development areas. He also reviewed title information and existing surveys for use in re-establishing project boundaries, prepared boundary and topographic surveys in support of engineering design, and provided construction surveying services for layout of new multi-story buildings, utility/drainage infrastructure and roadways.
- **LMHS Cancer Center Expansion, Fort Myers** - Mark was responsible for the preparation of boundary and topographic survey in support of a development order for the center's expansion and preparation of various legal descriptions for the project limits and proposed utility easements.

ERIK HOWARD, PE, PSM

Professional Engineer



ehoward@johnsoneng.com
239.461.2441

Years Experience

21 years

Licensing & Registration

Florida Professional Engineer,
License No. 66574

Florida Professional Surveyor and
Mapper, License No. 6959

State of Florida Certified
General Contractor,
License No. CGC1517855

State of Florida Certified
Electrical Contractor,
License No. EC13005228

State of Florida Certified
Plumbing Contractor,
License No. CFC1428169

State of Florida Water
Well Contractor,
License No. 7278

Leadership in Energy &
Environmental Design Accredited
Professional (LEED AP)

Education/Training

Master of Engineering, Hydrological
Sciences Concentration, (2003),
University of Florida

B.S. in Civil Engineering (2002),
University of Florida

Civic

Charlotte County Construction
Licensing Board 2010-2018

Erik joined Johnson Engineering in 2003. He earned both his Master of Engineering and Bachelor of Science in Civil Engineering degrees from the University of Florida. As an engineer and surveyor, with multiple contractor licenses, Erik is familiar with both the technical and construction side of projects. Also, as a LEED accredited professional, Erik recognizes the environmental concerns associated with projects that potentially jeopardize water resources.

Erik's experience as an engineer includes modeling of surface water, groundwater, pipe hydraulics, pump hydraulics, potable water systems, irrigation water systems and wastewater system. Erik is experienced in data analysis, design, permitting, bidding, and construction administration of a variety of types of projects. Erik leads and assists all market groups within Johnson Engineering for surface water management systems. He routinely performs detailed calculations, prepares specialized plans and specifications for projects that require an 'out-of-the-box' approach. Erik's technical background and practical experience allows him to handle any surface water project, whether it be simple flow data analysis or complex water quality calculations.

Relevant Experience

- **Lee County Utilities, North Lee County Water Treatment Plant Expansion** - Engineer of Record for civil/site work as part of a design-build team for expansion from 10 mgd to 5 mgd RO plant.
- **Lee County Utilities, Green Meadows Water Treatment Plant Expansion** - Engineer of Record for hydraulic modeling, design and permitting (FDEP ERP, FDEP PWS, USACE, FWC, FDEP UIC, LDO) of a wellfield expansion for the Lee County Utilities Green Meadows Water Treatment Plant Expansion. The project also entailed expanding the existing site for new treatment facilities.
- **Lee County Natural Resources, Powell Creek Filter Marsh** - Assisted with the design and construction and observation services and was directly responsible for a pump station which included complex relay logic for operational control to negate the need for PLC programming.
- **Town and Country Utilities, Babcock Ranch Phase II WRF Expansion** - Provided stormwater and drainage design for an expansion to 0.75 MGD. Also, responsible for SFWMD ERP, Charlotte County Site, and Babcock Ranch ISD permitting.
- **City of Naples, Vacuum Press Dewatering System** - Engineer of record to replace the sludge dewatering system with a dual belt filter presses and vacuum pumping system for the watering of lime sludge as part of the water treatment plant.
- **Charlotte County Utilities, Loveland Master Pump Station** - Project engineer for 12 MGD headworks pump station. The project included six pumps and two 30 feet deep wetwells to serve the Eastport Water Reclamation Facility.
- **Hendry County, Airglades WWTP Facility Expansion** - Engineer of Record for increasing the capacity of the wastewater treatment and disposal system.
- **Town and Country Utilities Preliminary Utility Master Plan** - Services included cost estimating, conceptual potable wellfield design, conceptual irrigation wellfield design, conceptual wastewater and water conveyance system design and treatment technology evaluation to serve 19,500 residential units at Babcock Ranch.
- **Collier County Storm Water Department, Lasip Pump Station** - Designed and provided construction observation services for a 34 MGD surface water pump stations. The pump station consisted of two 12,000 gpm pumps used to rehydrate wetlands from an adjacent bermed canal.

RICARDO ACOSTA, PE, CFM
Water Resource Engineer



ra@johnsoneng.com
 239.461.3324

Years Experience
 21 years

Licensing & Registration
 Florida Professional Engineer,
 License No. 69121

Association of State
 Floodplain Managers,
 Certified Floodplain Manager,
 Certificate No. US-13-Q7110

Education/Training
 B.S. Civil Engineering (1998),
 Universidad Nacional de Colombia

Rick joined Johnson Engineering in 2006. He is a project manager in the firm's surface water management department. He has designed and permitted surface water management systems for roadway, site development and assorted environmental projects through the South Florida and Southwest Florida Water Management Districts. Rick is a Certified Floodplain Manager and is accomplished in backwater profile modeling for adjustments to FEMA FIRMs. His modeling experience also analyzes water quality for treatment facilities related to municipalities achieving their obligations under the TMDL program.

Relevant Experience

- **McGregor Resurfacing** - Assisted in the environmental permitting for the resurfacing of approximately one mile of McGregor Blvd from Manuel's Branch to US-41 in Fort Myers. The proposed project included replacing or relining all drainage pipes in the right-of-way and the addition of filtering structures upstream of the existing outfall.
- **Big Carlos Pass** - Assisted in the design and permitting of Construction and Operation of the surface water management system for the demolition and replacement of the Big Carlos Pass Bridge. The project also includes construction of a parking area, pedestrian walkways, utilities, and roadway infrastructure.
- **Burnt Store Road Widening, Lee and Charlotte Counties** - Assisted in the design and permitting of the surface water management system for the expansion of approximately five miles of two segments of the existing road.
- **Three Oaks Drainage Conveyance** - Designed, permitted and provided post-design services for the improvements to the Three Oaks Parkway's east roadside ditch and to an existing structure connecting it to The Brooks pond system in order to increase the conveyance capacity into the South Branch of the Estero River up to 160 cfs. This project involved coordination with Lee County, The Brooks and FDOT. The design included expanding ditches, relocating weirs and retrofitting a existing structure to add telemetry control of remote gate operation capability.
- **State Road 31, Lee and Charlotte Counties** - Assisted in the design and permitting of the surface water management system for the approximately four-mile roadway expansion project
- **Spanish Creek Preserve Hydrologic Restoration** - Lee County - Analyzed hydrology and hydraulics within approximately 5,000 ac of land that serves as headwaters for a 243-acre parcel in Lee County. The goals were to determine the existing capacity of the Spanish Creek and the quantity of water that could be diverted into the Spanish Creek Preserve to improve the hydroperiod.
- **Middle School MM and Elementary School J** - Designed the surface water management system for the dual-school campus in Lehigh Acres, including extension of Sunrise Blvd and obtained Environmental Resource Permits through the South Florida Water Management District and approval from the Lehigh Acres Municipal Services Improvement District.
- **High School MMM** - Designed the surface water management system for the new High School in Gateway, including improvements to Griffin Dr and obtained Environmental Resource Permits through the South Florida Water Management District.
- **Brighton Valley Dispersed Water Management** - Designed the surface water management system for diverting up to 40,000 acre-feet of water per year for dispersed flow in Highlands County. The shallow wetlands created as part of this project will allow water to naturally infiltrate and reduce the concentrations of nutrients prior to being released via either the C-40 or C-41A Canals toward Lake Okeechobee.
- **Bonita Springs High School** - Designed the surface water management system for the school and obtained Environmental Resource Permit through the South Florida Water Management District.
- **North Fort Myers and Bonita Springs Libraries** - Designed the surface water management systems and obtained Environmental Resource Permit through the South Florida Water Management District for both sites. The North Fort Myers site required also a Drainage Connection Permit through the Florida Department of Transportation



RYAN RICHARDS
AIA, LEED AP, Principal

REGISTRATION

Licensed Architect, FL
LEED AP Certified

EDUCATION

University of Miami
Coral Gables, FL
Bachelor of Architecture 1998

Member of the
AIA Florida Southwest Chapter
President 2019

INVOLVEMENT

Lee County Schools
Foundation for Schools 2001-2012
Mini-Grant Selection Committee

Lee County Schools Construction
Advisory Committee 2018 Chair

ACE Mentoring 2012-14

AWARDS

Tau Sigma Delta Honor Society

Golden Key Honor Society
Eagle Scout, BSA Class of 1991

FEFPA Design Award for FGCU
Fine Arts Building 2012

FEFPA Design Award for CCPS
LWIT 2011

Ryan Richards has over 20 years of experience in design, planning, project management, and client relations. His experience is well rounded and is skilled at understanding the needs of the client and translating them into a cohesive site and building design with a careful consideration of budget and schedule. Project expertise includes educational, healthcare, corporate, and recreational facilities for which he has earned multiple design awards. Project Manager. RGA founding Partner.

2018 - Lehigh Sr. High School Addition and Remodel, Lee County, FL

Project Architect - 30,000 sf, 2 stories, 500 students High School Addition with Activity Center and Classrooms. Renovations to existing High School include Media Center, Labs, Administration Offices, and New Outdoor Dining. Budget: \$11,000,000. Completion: 2019 (est).

2018 - CSN Science Building, Community School of Naples

Project Manager - Complete Design, Construction Documents and Construction Administration for a new 17,000 sf Science Building. This project includes classrooms, labs, and administrative offices, among other amenities. Budget: 4,500,000. Completion: 2020 (est).

2017 - School of Water Resources and Integrated Sciences, FGCU

Project Manager - 114,000 SF Academic 9, University Lab Facility with Water Research Labs, Classrooms, Auditorium and Faculty Offices. Budget: \$44,141,730. Completion Scheduled 2020. Projected Silver LEED.

2016 - Master Plan, Evangelical Christian School, Fort Myers

Project Manager - RGA designed a site Master Plan which includes new programmed spaces for a performing arts center, and a three-story combination upper school academics and athletics building with outdoor gathering spaces and play fields.

2016 - Shell Point Facilities Evaluation and Master Planning

Project Manager, Conditions and Needs Reports for 2.8 million square feet of facilities, administrative areas and amenities. Provided projected need and costs for 20 year outlook. Completion 2016

2016 - Master Planning, St. Katherine's Greek Orthodox Church

Project Manager: Master Plan for existing Naples, Florida Church and projected expansion to include Residential Tower and new Cultural Hall. Completion 2016

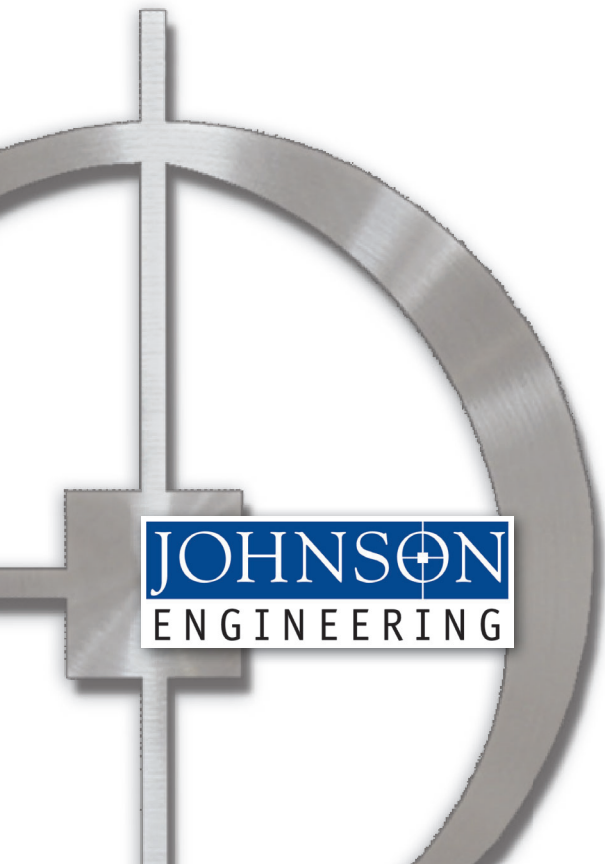
2014 - Facilities Evaluation and Master Planning, City of Fort Myers

Project Manager: 2 Phase Project: Phase 1: Conditions and Needs Reports for Five Fire Stations and one Police Station, administrative areas and ancillary. Provided projected needs and costs for 10 year outlook. Completion 2014.

2013 - Charlotte County Public Schools Facilities Evaluation and Master Planning

Project Manager, Conditions and Needs Reports for 3.9 million square feet of facilities, administrative areas and ancillary Buildings. Provided projected needs and costs for 30 year outlook. Completion 2013

II. Proposed Management Plan



A. TEAM ORGANIZATION

EXPERIENCED PROJECT MANAGER & SR. ELECTRICAL ENGINEER HANDLING SIMILAR PROJECTS

Wayne Wright, PE brings 42 years of engineering and project management experience to this project. he will be hands-on for both the design and construction phases as the engineer-of-record and has provided project management, design and construction services on numerous generator installation projects from 50kw standalone generators to combined 2400kw paralleled generator systems and their associated auxilliary equipment.

The Management plan will be comprised of three separate tasks: Programming, Design and Construction.

I. PROGRAMMING PHASE

This phase will consist of developing a Program specifically for each of the two project sites to address physical site constraints and to meet with the County and any other project stakeholders. Site analysis will also be included in this phase to initiate a basis of design. Site data will be collected and reviewed. Preliminary site arrangements and alternatives will be proposed for evaluation by all stakeholders. High level renderings will be created to facilitate reviews of the alternatives presented.

➤ KICK OFF MEETING

Johnson Engineering's Project Manager will schedule a kickoff meeting with the County stakeholders and project design team to review the project and scope and any of the County's considerations such as system deficiencies, projected capacity & use, sustainability goals, schedule, and budget. During this phase, the Project Manager will obtain any County design guidelines.

➤ SITE INVESTIGATION

Johnson Engineering will conduct a site visit and take field measurements to ensure that a complete picture of the existing conditions is established. The team will meet with the site's Maintenance staff to ascertain any maintenance and system concerns. This investigation includes considerations of wall and opening modifications to accommodate equipment removal/replacement and new code requirements.

➤ REVIEW EXISTING SYSTEM PERFORMANCE

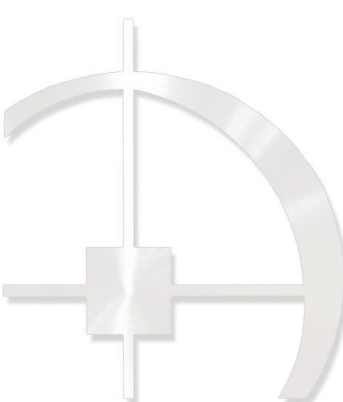
Johnson Engineering will conduct field research to identify existing conditions as to provide a current baseline of the site and systems. Our team conducts a thorough review of the existing conditions and any additional documents provided to gauge the conditions before the initial site visit.

➤ MODIFY SCOPE AS NEEDED

Based on site observations and conversations with County staff, we will modify the scope as needed. A comprehensive and detailed scope is essential to schedule development and cost control. Johnson's Project Manager will review all modified scope items with the County.

➤ DETERMINE SYSTEM NEEDS

Johnson Engineering will detail the necessary systems for the project, identify long-lead items for prepurchase, and create a cost estimate for the County.



2. DESIGN PHASE

This phase will consist of an analysis of the design concepts and development of the actual system design. At each design level, the draft design will be reviewed by the County with comments incorporated into the next design level. Architectural 3D renderings will be provided to provide more clarity of the design concepts. At each design completion level, the draft design will be evaluated for potential value engineering and cost-benefit considerations. The phase will ultimately produce the certified final plans and specifications and all other required Bid documents suitable for the County to issue a construction RFP.

➤ DESIGN DOCUMENTS

Johnson Engineering will conduct the traditional phases of design and hold reviews with the County after each design submission. These include:

- Design Plans 60%, 90%, 100% and Final
- Technical Specifications
- Construction cost estimates at the 60%, 90%, and 100% and final design phases
- Final Pay items with quantities during each phase of design and quality control checks:
- Electrical Engineer of Record review
- Johnson Engineering Project Manager review
- COUNTY review comments

➤ DESIGN REVIEW MEETINGS

There will be a design review meeting with County staff so that they have the opportunity to review and comment on the design plans. The plans will consist of notes and drawings as well as 3D renderings. An Opinion of Probable Cost (OPC) will be provided at each design phase.

➤ Bidding & Permitting

Johnson Engineering will provide the Owner with construction documents and will assist in the assembly of the Bidding and Permit drawing packages. Our team will assist the County with the bidding process by participating in pre-bid meetings and evaluation of bids as needed, specifically, our team will assist the County with the following:

- Answering Addendum questions posed by contractors
- Evaluating alternative products posed by contractors
- Clarifications to Design and Technical Specifications
- Providing Recommendation of Award



3. CONSTRUCTION PHASE

This phase will occur after the construction contract is awarded and will consist of observation of construction activities to ensure that the installation is performed in accordance with the certified plans and specifications.

➤ CONSTRUCTION ADMINISTRATION

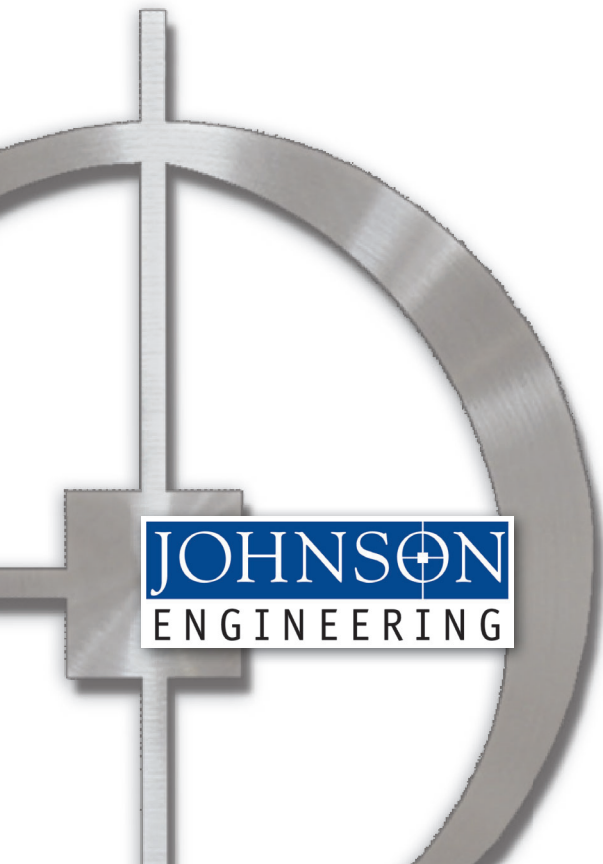
The Johnson Engineering Project Manager will perform Construction Administration and will schedule regular site visits to review construction-related issues on a regular basis to consist of:

- Attendance of the pre-construction meeting
- Respond to contractor's Request for Information that are relayed to our Team from the County or proposed by the contractor at the County's request.
- Review material requests, shop drawings, and work plans submittals as requested by the County.
- Attend on-site meetings, as requested by the County, to discuss any construction issues as they pertain to design.
- Assist and coordinate work with County facilities staff.
- Review contractor's pay applications.
- Prepare signed and sealed record drawings of all completed work within sixty (60) days of construction final acceptance.
- Provide Record Drawings

B. ROLES & RESPONSIBILITIES OF PARTICIPANTS

TASK	RESPONSIBLE	PERSONNEL	DESCRIPTION
PROJECT MANAGER	JOHNSON ENGINEERING	WAYNE WRIGHT	MANAGE PROJECT, SINGLE POINT OF CONTACT, ASSURE SCHEDULE & BUDGET, CONSTRUCTION INTERFACE
ELECTRICAL DESIGN	JOHNSON ENGINEERING	WAYNE WRIGHT	ELECTRICAL ENGINEERING, PLANS AND SPECIFICATIONS, POWER ANALYSIS, HARDWARE SELECTION, SITE LAYOUT
PERMITTING	JOHNSON ENGINEERING	CHRIS BEERS	PERMITTING ASSISTANCE, ENVIRONMENTAL (IF NEEDED)
SURVEY	JOHNSON ENGINEERING	MARK HAINES	TOPOGRAPHICAL SURVEY FOR PERMITTING
CIVIL ENGINEERING	JOHNSON ENGINEERING	ERIK HOWARD	CONCRETE PAD DESIGN
FLOOD ELEVATIONS	JOHNSON ENGINEERING	RICK ACOSTA	FLOOD ELEVATIONS
ARCHITECTURAL	RG ARCHITECTS	RYAN RICHARDS	BIM 3D DESIGN RENDERINGS
CONSTRUCTION	JOHNSON ENGINEERING	WAYNE WRIGHT	BIDDING, SHOP DRAWINGS, RFI'S, CONSTRUCTION OBSERVATION, FIELD/PROGRESS MEETINGS, RECORD DRAWINGS

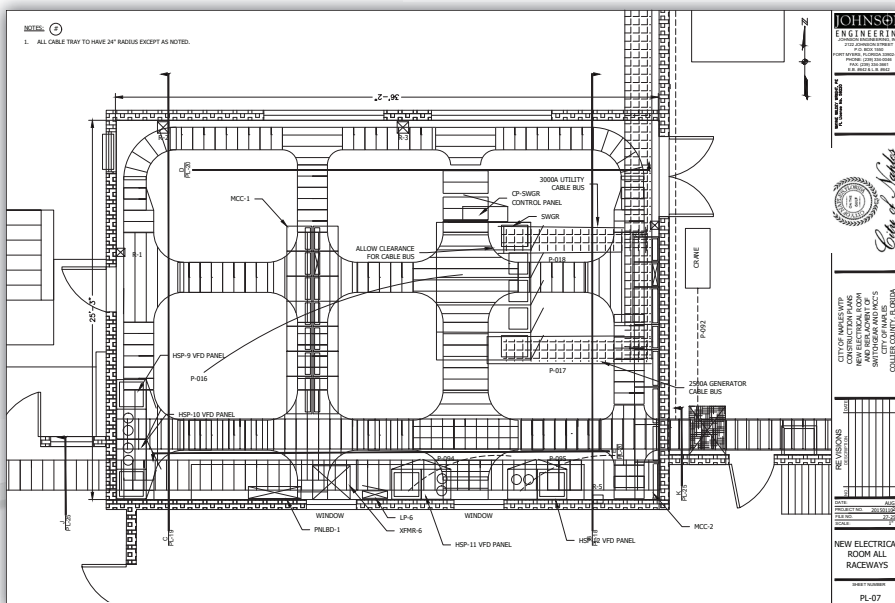
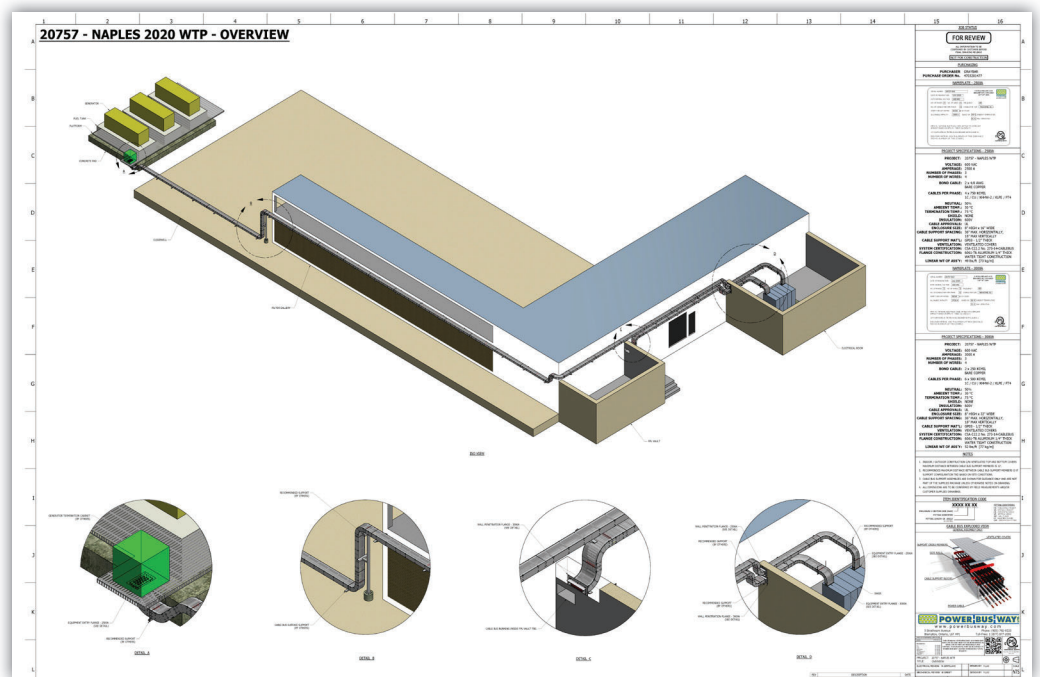
III. Previous Experience of Proposed Team



Our team has worked together on various projects involving multiple disciplines, including electrical engineering, civil engineering, survey, architectural, environmental, and permitting. Field research and property evaluation are first conducted as a basis for development of the design. Several examples of prior work are listed below to illustrate site planning and design capabilities that would be utilized for this project.

A. RELEVANT WORK HISTORY WITH MECHANICAL DESIGN

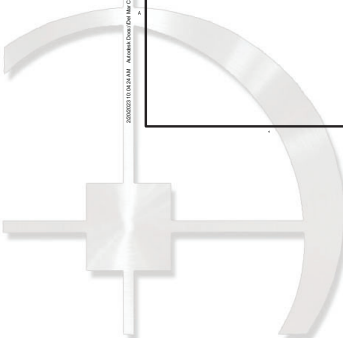
Johnson Engineering completed an ambitious design and provided construction services to replace the entire electrical power distribution system and install back up power for a water treatment plant. Pictured below is a three-dimensional isometric of cable bus utilized on a project which involved the installation of three 500KW generators which supplied emergency standby power for a water treatment plant electrical service. The cable bus was manufactured and shipped in sections based on our design to be fully assembled-in-place in the field. Numerous existing physical constraints of the existing building and the new installation were identified.



A large industrial facility, likely a power plant or data center, featuring rows of tall, grey metal cabinets or racks. The ceiling is high and complex, with numerous pipes, ducts, and lighting fixtures. The floor is covered with various equipment, including a large white container and a yellow box.



Johnson Engineering worked with RG Architects on a project for electrical design of equipment and to replace a building that suffered damage from Hurricane Ian.

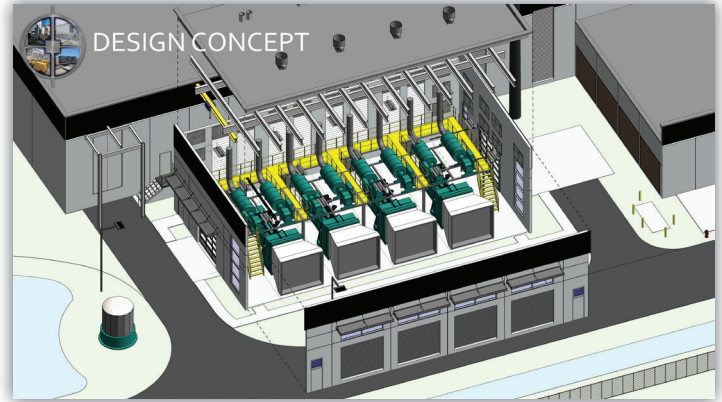


Johnson Engineering also worked with RG architects on a conceptual design to install four large generators in a new generator building at a water treatment plant. There were numerous challenges due to site layout. A stormwater design was also proposed.

Proposed Generator Building Exterior Views:



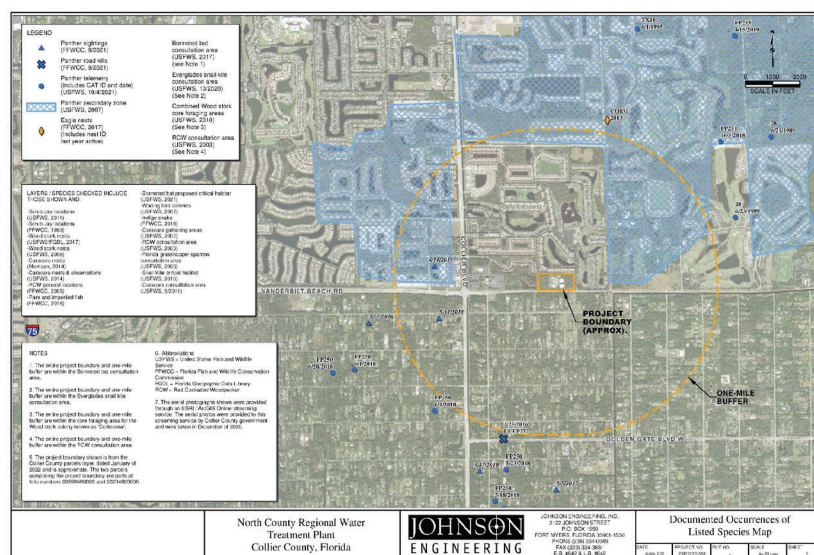
Proposed Generator Building Interior View:



Proposed Site Area View:



CIVIL / SITE / STORMWATER / ENVIRONMENTAL EXPERIENCE



- ✓ SITE DEVELOPMENT PERMIT (SDP)
- ✓ ENVIRONMENTAL RESOURCE PERMIT (ERP)
- ✓ PROTECTED SPECIES SURVEY

North County Regional Water
Treatment Plant
Collier County, Florida



JOHNSON
ENGINEERING

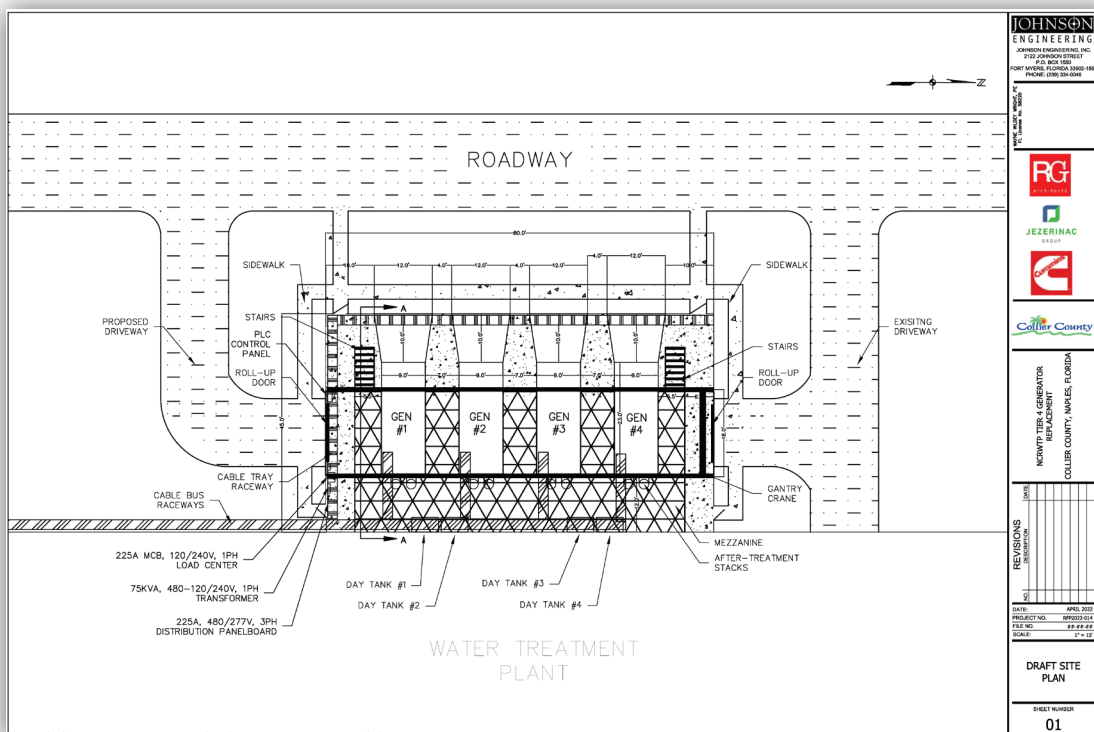
Documented Occurrences of
Listed Species Map



JOHNSON
ENGINEERING

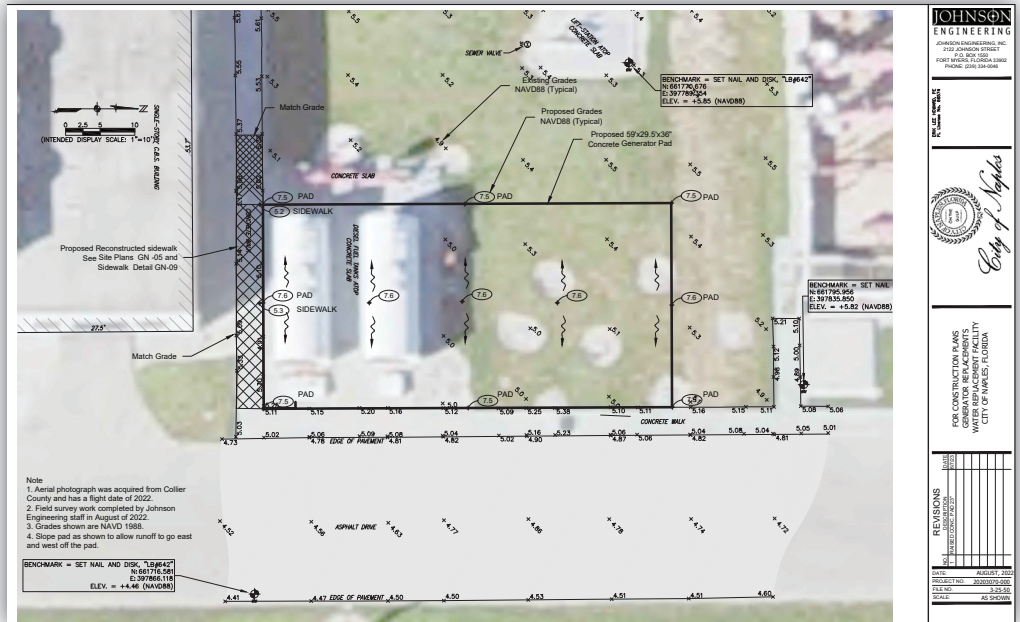
C. SITE PLANNING & DESIGN

Site planning was proposed by the design team for the water treatment plant to accommodate the four proposed generators and their auxiliary support equipment, shown below

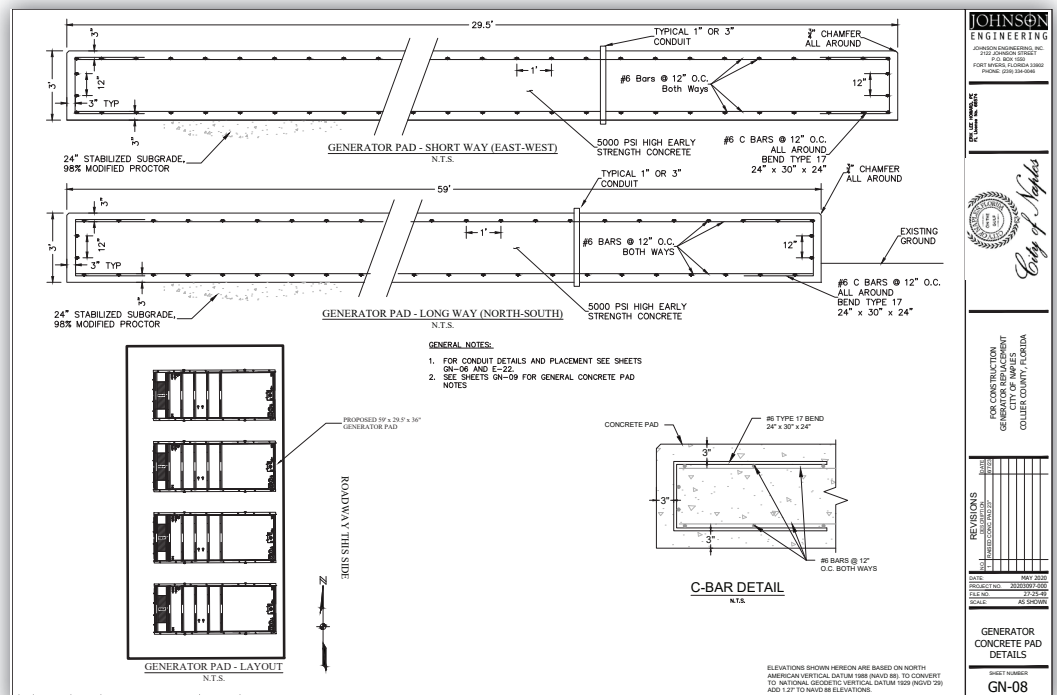


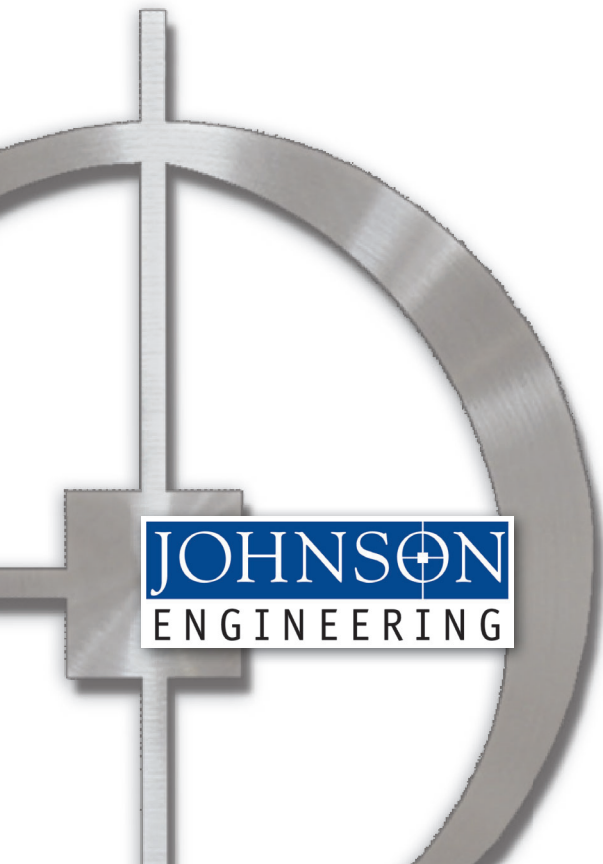
E. PROPERTY EVALUATION & SELECTION REPORT

Johnson Engineering has completed a design and is providing constructions services for the installation of four 600KW generators at a water reclamation facility. There were numerous challenges encountered. Site remediation was already underway from a prior oil contamination event. The site had two large existing diesel oil storage tanks in the proposed location for the new generators. Survey was required for permitting and the pad had to be designed based on the size and weight of the new generators and the local flood elevations.



Johnson Engineering performed the civil design as the generators required a mounting pad that met permitting requirements and could support the weight of the generators and associated fuel. The pad was elevated well above grade to comply with flood elevation requirements.





A. SCHEDULE



I. What techniques are planned to assure that schedule will be met?

The County must retain the services of a team with experience, resources, and a track record of performing. We understand the County's sense of urgency related to this project and are aware that the County desires to expedite this project as much as possible. We utilize several techniques which have proven to be successful on prior projects. Ensuring that a project schedule is met involves careful planning, monitoring, and adapting to changes. We plan to implement the following proven strategies to assure that the project schedule will be met:

A. Detailed Planning:

- Create a detailed project plan that includes all tasks, dependencies, resources, and deadlines.
- Break down larger tasks into smaller, more manageable sub-tasks.
- Allocate resources effectively, considering the skills and availability of team members.

B. Define Clear Milestones and Deadlines:

- Set clear and achievable high level milestones to track progress.
- Establish deadlines for each identified task in the project.
- Ensure that team members understand the importance of meeting these milestones.

C. Resource Management:

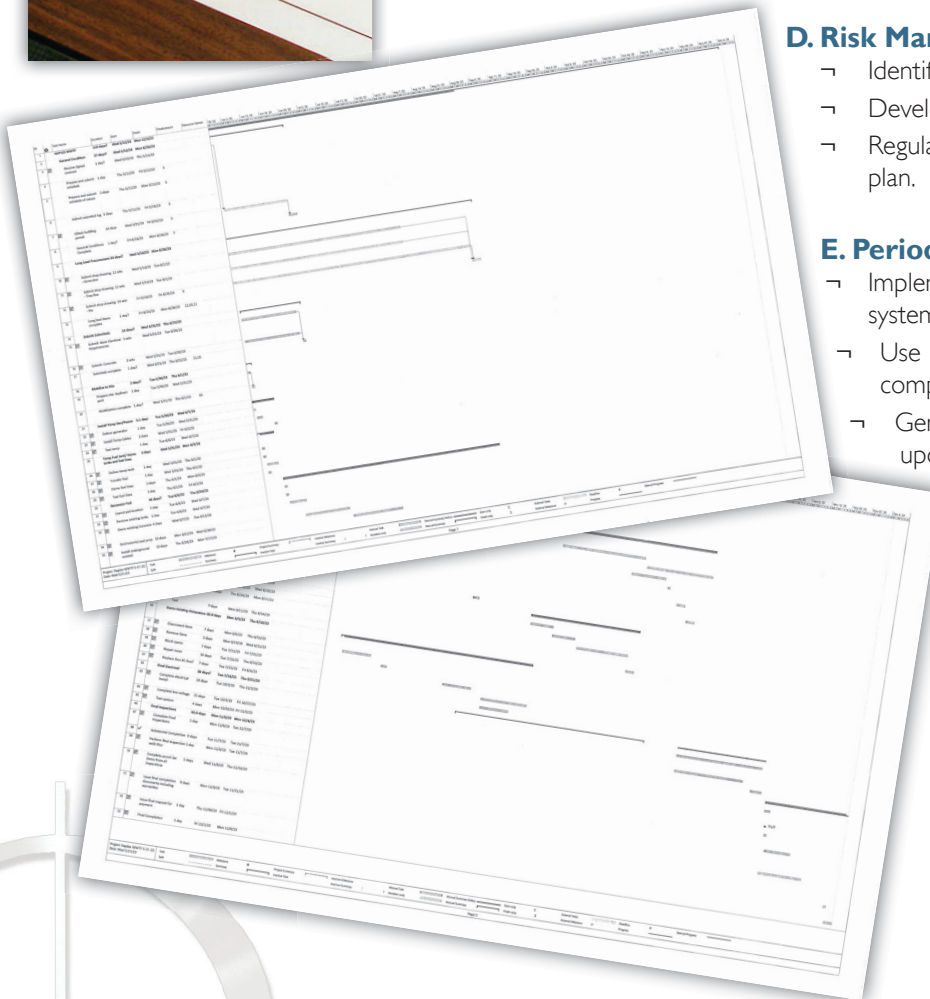
- Regularly review resource allocation to ensure that team members have the necessary skills and time.
- Anticipate potential resource constraints and plan accordingly.

D. Risk Management:

- Identify potential risks that could impact the schedule.
- Develop contingency plans for high-impact risks.
- Regularly review and update the risk management plan.

E. Periodic Monitoring and Reporting:

- Implement a critical path method (CPM) based system for regular progress monitoring.
- Use CPM project management tools to track task completion, milestones, and overall progress.
- Generate and distribute periodic CPM schedule updates and status reports to stakeholders.
- A typical example CPM project schedule from a prior project is shown to the left.



F. Communication:

- Establish clear communication channels with the stakeholders.
- Encourage open communication to address issues promptly.
- Hold periodic team meetings to discuss progress and challenges.

G. Adaptability:

- Be prepared to adjust the schedule as needed based on changes in requirements, scope, or unforeseen challenges.
- Have a change management process in place to evaluate and implement changes systematically.

H. Quality Assurance:

- Build quality checks into the project plan to avoid rework.
- Ensure that quality assurance processes are followed to minimize errors and delays.

I. Team Collaboration:

- Foster a collaborative team environment.
- Encourage team members to share insights and help each other when challenges arise.

J. Stakeholder Involvement:

- Keep stakeholders informed about progress and any changes to the schedule.
- Involve stakeholders in decision-making processes when it comes to schedule adjustments.

K. Continuous Improvement:

- Conduct regular post-project reviews to identify areas for improvement.
- Apply lessons learned to future projects.

L. Pre-purchase long-lead equipment

- Due to supply chain issues that create extended lead times, we believe it is very important to procure long-lead equipment as soon as possible. Therefore, we propose to complete the specifications for all long-lead equipment early in the design phase so that the County can directly procure the long lead equipment as an Owner-Direct-Purchase (ODP) rather than wait for a complete engineering design package. We believe that an ODP of the long lead items will greatly reduce the project schedule duration.

M. Detailed Construction Observation

We plan to conduct regular and focused site visits during construction to avoid the possibility of non-conformance with the plans. This will help to ensure that the project stays on track and reduce confusion or the issuance of change orders to correct deficiencies or misunderstandings.

N. Leverage Existing State Contracts

Take advantage of existing piggyback contracts from other Florida agencies with pre-negotiated equipment to expedite procurement.



2. Who will be responsible to assure that schedule will be met?

The Project Manager, Wayne Wright, PE, will be the single point of contact for the County and will be responsible for managing the project to keep the project on schedule and for all the stakeholders to be apprised of any schedule changes.

B. COST**I. What control techniques are planned?**

Our techniques for managing costs are based on addressing problems and finding appropriate solutions.

A. Detailed Project Budget:

- Develop a comprehensive and detailed project budget that includes all anticipated costs.
- Identify and categorize costs, such as personnel, materials, equipment, overhead, and contingencies.

B. Cost Estimation:

- We will develop and present an Opinion of Probable Cost (OPC) estimate for each design level for the project.
- We will use historical data and rough actual contractor estimates to arrive at the OPC.

C. Contingency Budget:

- Include contingency allowances in the budget for unforeseen risks or changes.
- The contingency funds must be approved by the County and Project Manager.

D. Resource Management:

- We plan to efficiently allocate our internal resources based on project requirements as well as monitor resource usage to prevent overallocation or underutilization.

E. Avoid sole-source specifications:

- The design specifications should be performance based to get the best value for products and services unless the County has a particular supplier preference or engineering standard.

F. Avoid price escalation:

- Pre-purchase high cost equipment to avoid price escalation and planned increases by the suppliers.

G. Post-Project Analysis:

- Conduct a thorough analysis of project costs after completion.
- Identify areas where costs exceeded expectations and determine lessons learned for future projects.

H. Sales tax exemption

- We encourage the County to Owner-Direct-Purchase major high cost equipment to avoid sales tax which will result in significant savings for the project budget.

I. Detailed Construction Observation

- We plan to conduct regular and focused site visits during construction to avoid the possibility of non-conformance with the plans. This will help to ensure that the project stays on track and reduce confusion or the issuance of change orders to correct deficiencies or misunderstandings.

J. Leverage Existing State Contracts

Take advantage of existing piggyback contracts from other Florida agencies with pre-negotiated equipment to expedite procurement.



2. Demonstrate ability to meet project cost control

We have a proven history of minimal change orders based on the original scope and certified construction plans and specifications. Examples of cost control on prior projects include:



City of Naples - Naples Water Treatment Plant Electrical Upgrade and Generators Replacement

Johnson Engineering provided design and construction services for this very ambitious project which replaced the entire electrical distribution system, motor control, and standby generation for the plant without impacting plant operations.

There were no change orders on the original project scope despite the lack of reliable record drawings due to the age of the plant and equipment.



City of Naples - Naples Water Reclamation Facility Electrical Upgrade and Generator Upgrade (City of Naples)

Johnson Engineering provided design and construction services for to replace obsolete electrical switchgear and to upgrade standby generation for the plant without impacting plant operations. There were no change orders on the original project scope despite the lack of reliable record drawings due to the age of the plant and equipment.



Collier County Utilities - North East Service Area Wastewater Treatment Plant, IQ Water Booster Pump Station and Potable Water Booster Pump Station

Johnson Engineering provided design and construction services for a large new greenfield combined wastewater and water pump station plant involving switchgear, motor control, various instrumentation and standby generation. There were no change orders on the original project scope despite the large size of the project and varied types of equipment.

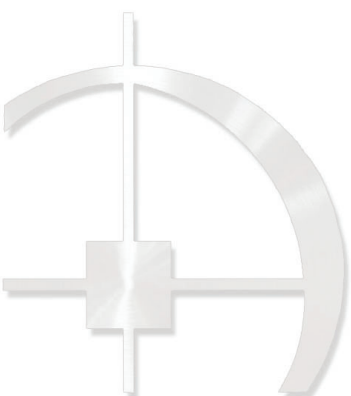
3. Who will be responsible for cost control?

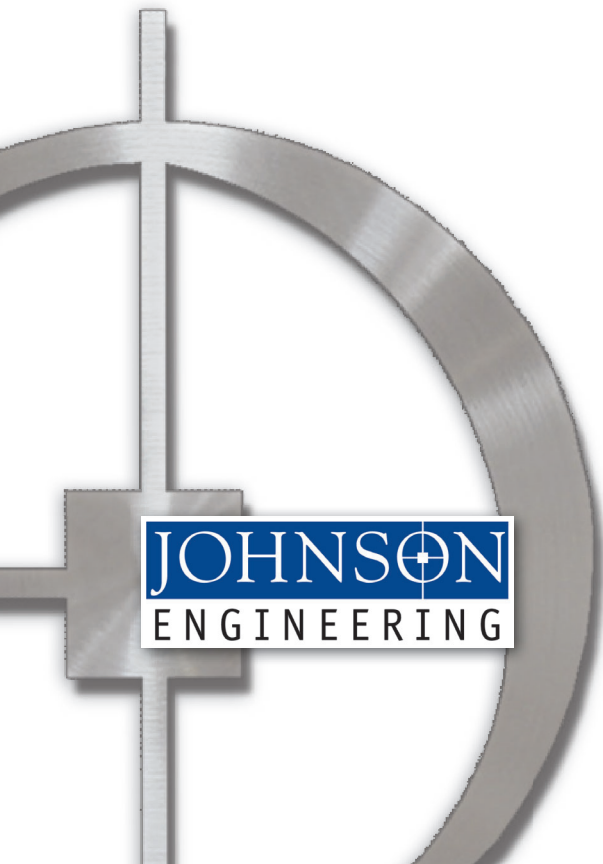
The Project Manager, Wayne Wright, PE., will be the single point of contact for the County and will be responsible for managing the project to keep the project on schedule and for all the stakeholders to be apprised of any schedule changes.



C. RECENT, CURRENT & PROJECTED WORKLOAD

KEY STAFF	RECENT WORKLOAD (LAST 6 MTHS)	CURRENT WORKLOAD	PROJECTED WORKLOAD
WAYNE WRIGHT	85%	60%	50%
CHRIS BEERS	80%	60%	50%
MARK HAINES	80%	70%	60%
ERIK HOWARD	75%	80%	50%
RICK ACOSTA	70%	70%	50%
RYAN RICHARDS (RG ARCH)	70%	60%	50%





A. DESCRIBE PROPOSED DESIGN METHODOLOGY

As was stated in the RFP package through the Scope of Services (RP-22); the components of this project are:

- A. PROGRAMMING AND PLANNING**
- B. SITE ANALYSIS**
- C. SCHEMATIC DESIGN PHASE**
- D. DESIGN DEVELOPMENT PHASE**
- E. CONSTRUCTION DOCUMENT PHASE**
- F. CONSTRUCTION OBSERVATION PHASE**

PROJECT INITIATION PHASE

The activities in this sub-process start off with contract negotiations and fee agreements that are typically ensued with a kick-off meeting, in which the chartering session is initiated for all parties to embrace 1) the projects' need and purpose, 2) projects' objectives and of course 3) basic scope, schedule, and budget; as well as identification of Key Stakeholders and potential key internal Subject Matter Experts.

Keep in mind that conflicts between many stakeholders with opposing views and opinions occur on many transportation projects and it's our team's priority is to mitigate and address them early in the project initiation phase to determine how to effectively resolve them throughout. Our team was developed with this in mind by providing local experts, including those that already have experience in the community and trust from the residents of the island.



PROJECT PLANNING PHASE

From the onset, our team will implement three management plan components to successfully deliver the project and to introduce to the team and stakeholders for their agreement. The plan components and procedures are to monitor, control, and deliver the project with a high level of quality. Our three key project management philosophies include to (1) establishing a thorough understanding the project and our client's objectives and expectations; (2) establishing clear lines of communication between all team members; and (3) proactively monitor the project (budget, schedule, and deliverables) and team members' progress. A detailed work plan will be envisioned for the project, including but not limited to, design schedule, deliverables for each meeting, dates for milestone deliverables, resources required to meet milestones, as well as landmarks in the schedule where coordination and information with team members is required.

Moreover, scope and activities are broken out into a Work Breakdown Structure, where risks are identified, analyzed, and mitigated and/or redefined. Avoiding risk is more advantageous as mitigating it, but thoroughly defining the scope will allow us to truly understand each risk. Once the risk is fully assessed and the scope fully defined, the project manager (PM) can assign definitive roles that commensurate with the experience to the supporting team's staff roster to assert their responsibilities, which then in turn alleviates the pressure off the project's budget and schedule.

MONITORING AND CONTROL PHASE

While the execution phase is proceeding, the monitoring and control phase begins and continues through the conclusion of the project. It is often referred to as the quality phase, but it is much more. It measures the performance of the project from inception. Performance can include scope, schedule, budget, and public impact. This phase will collect, measure, and disseminate performance information, and assess measures and trends to forecast potential items requiring corrective actions. This includes monitoring project risks and ensuring that they are being managed according to the project's risk plans. Outputs include 1) forecasts, 2) recommended corrective & preventative actions, 3) requested changes & recommended defect repairs.



EXECUTION PHASE

The project execution plan is a dynamic one and is continuously compared to its baseline, yet it is contingent on the success of the following three main components. Schedule Control Management and Cost Control Management was addressed in more detail in Section IV of this proposal: Communication Management

Partnering sessions during which assumptions, constraints and risks are identified; Active participation in external and internal meetings to mitigate challenges; and prompt responses to requests by either The County or our sub- consultants to expedite resolutions; scope progress meetings that include agendas, meeting minutes, and sign-in sheets, will be conducted monthly, or on an as-needed basis, via in-person or video conferences to amalgamate the collaborative efforts and to monitor progress and improvements; Allocation of a One Drive/BOX (or County preferred) project folder to keep the team/client engaged with updated information, drawings, meeting minutes, and resolutions/requests to design coordination challenges; Monthly invoices, month-end schedule status and budget reports will be disseminated to the County to effectively monitor and track the project development and to avert any budget creep and schedule delays; while circumventing impeding processes and implementing the respective and corrective measures.



Schedule Control Management

A project schedule baseline with recognized task breakdowns and resource allocations will be implemented from the onset and actual to scheduled milestone dates will be intermittently compared to determine advances and to ensure the design completion is on track within the initially established time frame; Any schedule delays will be closely scrutinized and resolutions immediately implemented to advance the task order in a more efficient and expeditious manner; In addition, our team will furnish milestone preliminary and final construction cost estimates and plans.



Cost Control Management

Cost is proportional to scope creep, and therefore any burdening processes will undergo a remedial plan as a corrective measure to realign the budget, whether through additional resources and/or streamlining of the internal processes themselves. Our team will closely monitor all costs that tend to undermine the task budgets. We have mitigated these situations before on other projects and believe when resolved early during the design phase, creep is curtailed.

B. WHAT PROBLEMS DO YOU ANTICIPATE AND HOW DO YOU PROPOSE TO SOLVE THEM?

PROBLEMS & SOLUTIONS

We attempt to proactively anticipate potential problems, such as:

1. Lack of existing documentation:

Often, there is a lack of available reliable and complete documentation on the existing electrical systems. Though somewhat time-consuming, we believe that this challenge can be substantially overcome by thorough field research and utilizing what information is extant. Equally important will be COUNTY staff interviews to gather further information that may not be documented at all or documented fully.

2. Impact of Construction on the facility:

Another challenge may be demolishing and replacing equipment, with limited physical space, without unduly impacting the facility. Often, this challenge can be successfully overcome through a thorough understanding of how the facility operates, and by carefully devising construction staging plans that will minimize power interruptions during construction activities.

3. Lack of adherence to Schedule

We plan to work very closely with the Contractor and host regularly scheduled meetings to ensure an open line of communications between all parties. Also, we plan to use our expertise and design detail to minimize shop drawing review changes and potential subsequent contractor change orders.

4. Failure to comply with the Electrical Systems Analysis:

It is common for engineers to perform an electrical systems analysis after the equipment design is complete which may lead to over-engineering, and simply serves as a validation and provides settings when it may be very difficult to ultimately correct identified deficiencies. We believe it is not only beneficial, but essential, to perform the electrical systems design as part of the initial equipment design to ensure ultimate validation of the equipment while design changes can be made easily based on the analysis.

5. Construction costs over budget and change orders

Total project cost is always a challenge due to limited budgets. We will attempt to qualify at least two major equipment suppliers subject to COUNTY approval to take advantage of competitive pricing and prevailing market conditions at the time the project goes to bid. We will also consider value engineering and other measures to reduce costs. We will also work to develop sufficiently detailed plans and specifications to reduce or eliminate change orders.

6. Electric utility coordination delays

Close coordination with the local electric utility will be necessary for successfully constructing the project. We are familiar with the local utility representatives and plan to leverage those existing relationships to ensure a close coordination during design and construction activities.

7. Permitting delays

We have a great deal of experience with permitting and understand the process and timeline that should be encountered on a project of this magnitude and variety, and the potential significant delays associated with permitting.

We anticipate to employ the following solutions that historically have resulted in successful projects:

1. RELY ON SIMILAR PROJECTS FOR PRIOR DESIGN ELEMENTS:

The ability to leverage the engineering design and experiences from other very similar project is critical and results in significantly reduced engineering costs, shorter project design duration, and the benefits of the incorporation of lessons learned.

2. LEVERAGE IN-HOUSE CAPABILITIES:

The ability to perform all functions in-house, such as design services, survey, permitting, electrical systems analysis and subsequent construction administration services, construction engineering inspection services, etc. should result in a reduction of total stakeholders to strengthen, streamline and simplify the design and construction process assuring responsiveness by utilizing a completely integrated design team

3. LEVERAGE LOCAL CAPABILITIES:

Since all of the design team is local, we believe that there will be a much greater level of communication. Also, site research, interactions with County staff, and construction observation will be greatly facilitated.

4. DETAILED CONSTRUCTION OBSERVATION

We plan to conduct regular and focused site visits during construction to avoid the possibility of non-conformance with the plans. This will help to ensure that the project stays on track and reduce confusion or the issuance of change orders to correct deficiencies or misunderstandings.



C. DESCRIBE PROBABLE ENERGY APPLICATIONS

The generator run time hours will be very low since the generator will only be used in emergency standby conditions. Therefore, there will not be any meaningful opportunities for energy conservation as part of this project.

D. DESCRIBE INNOVATIVE APPROACHES IN PRODUCTION & DESIGN

EQUIPMENT ALTERNATIVES

All retrofit situations to an existing facility present many unique challenges. We will evaluate alternative designs for the generator, tank, transfer switch, fuel source and auxiliary equipment to determine the ultimate optimal design configuration. For example, we will evaluate a sub-base fuel tank vs. an above ground fuel storage tank, maintenance platforms to facilitate access, and the possibility to use natural gas as a fuel source, if available.

PROJECT MANAGEMENT

Our proven ability on Charlotte County capital projects to manage and lead a highly technical and multi-disciplined design team forward that will make our production and design innovative. As mentioned in Section IV, we will utilize Critical Path Method (CPM) scheduling in order to coordinate the many interdependent tasks to assure production and design is efficient and fluid.

QUALITY CONTROL

Built into the design process will be internal QC checks and balances by senior and experienced professionals. Not only will this aid in production but also save on value engineering ideas and construction means and methods.

COMMUNICATION:

Our style is to communicate open and often. All members of the design team will be within reach of CCPW staff to conduct Q&A or request information. With the deadlines imposed on these projects is a necessity to have transparent communication throughout the organization chart.

SIMULTANEOUS ACTIVITIES

Our team is accustomed to fast-track types of environments. All team members will look for activities to conduct simultaneously. For instance; while the preliminary report is being completed the survey field work will be completed. Also, the FDEP application can be prepared and signed while 60% plans are being finished so submittal of the permit application can be made as soon as possible.

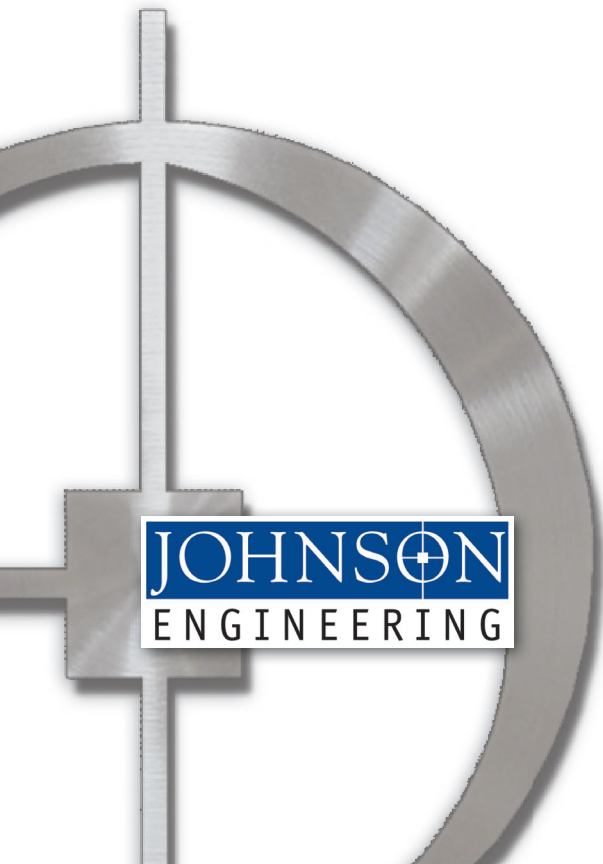
AVOIDING DELAYS

Avoiding Delays: Our knowledgeable team, while adept at fast-tracking projects and meeting aggressive deadlines, are even more skilled at identifying conflicts and avoiding delays that can cause months or years of delays to projects. It is our understanding that this has occurred on other phases and our objective is to avoid the pitfalls that commonly hold up lessor prepared teams.

Our team members will be focused on the deadlines and utilize all our experience and abilities to find efficiencies in production and design. We know the measure of success will be to complete this project on-time, high quality and within budget, but also to the satisfaction of the County and community.



VI. Recently Accomplished Similar Projects



A. DESCRIBE PROJECTS TO DEMONSTRATE

1. Schedule and Cost Control (duration and dates):

As outlined in Section IV Project Control, we have implemented successful techniques and methods on our projects. In the life of a project, there are many dynamics which occur (additional scope, changes mandated by the Authority Having Jurisdiction, permit-related changes, unknowns due to lack of record drawings, budgetary constraints, etc.) but the design consultant is responsible for continuing the project. We feel our team and project manager is goal oriented to achieve this for the County. His job is dependent on this. We feel his past performance demonstrates his success.

Here are some recent similar projects and the cost(s) and schedule(s) associated with them:

PROJECT	INITIAL CONTRACT (\$)	FINAL CONTRACT (\$)	INITIAL PLANS DELIVERY	ACTUAL PLANS DELIVERED	NOTES
North County Water Reclamation Facility Electrical Service #1 Replacement (Collier Co. Utilities)	\$185,030 (Design)	\$185,030 (Design)	7/14/23	7/11/23	Design completed on schedule & within budget
Water Reclamation Facility Generators Replacement (City of Naples)	\$117,980 (Design)	\$117,980 (Design)	5/30/22	5/30/22	Design completed on schedule & within budget
Desoto Middle School Generator & Chiller Addition (Desoto Co.)	\$71,700 (Design)	\$71,700 (Design)	11/7/22	11/4/22	Design completed on schedule & within budget
Bonita Beach & Tennis Club Power Restoration	\$67,500 (Design)	\$69,300 (Design)	1/25/23	4/17/23	Design completed on schedule & within budget
Water Treatment Plant Electrical Upgrade & Generators Replacement (City of Naples)	\$97,282 (Design)	\$117,282 (Design)	10/31/19	6/15/20	Initial design completed on schedule & within budget; Contract increased due to scope addition; Schedule was extended due to generator lead time & fiscal budget year

2. Design Challenges related to economic factors

Handling design challenges related to cost is a crucial aspect to most projects, in particular grant-funded projects. We utilize the following strategies to help address cost-related design challenges:

1. Develop an Opinion of Probable Cost at each design phase:

Identify budget issues during the design phase will allow for design changes to be made if necessary or for additional budget to be obtained.

2. Prioritize Requirements:

Identify and prioritize essential features and requirements. Focus on the core functionalities that are crucial for the project's success to allocate resources efficiently.

3. Value Engineering:

Look for alternative materials, processes, or designs that provide similar performance but are more cost-effective.

4. Collaborate with Stakeholders:

Work with stakeholders to explore cost-effective materials or methods to potentially find design alternatives that better align with the budget.

As an example, the following past projects faced budget challenges.



Lakes Park Water Quality Improvement (Lee Co. Utilities)

This project involved providing power and control signals to equipment that was separated by significant distances. The initial design called for traditional conduit and conductors to be routed between locations.

The budget for this project was funded by a grant. The construction bids that were received were significantly greater than the project budget.

We were tasked with value engineering the design to better align with the fixed project budget. By collaborating with other stakeholders, it was suggested to use other power sources located closer to where it was needed and to use radio telemetry for the control signals rather than hard-wired control signals. Also, some hardware was identified that could be replaced with less costly hardware without a meaningful reduction in performance.



Desoto Middle School Generator and Chiller Addition

This project involved adding a generator and chiller to an existing facility that could thereby serve as a hurricane shelter. Due to cost escalation of equipment and unknowns related to originally estimating the project cost, the budget for the project was inadequate. The budget for this project was funded by a grant.

We were tasked with value engineering the design to better align with the fixed project budget. The project team identified areas of the scope that could be removed without being detrimental to the final design.

3. Civil Design and Permitting Capabilities; Current Market Risk

Johnson Engineering is the largest Engineering firm in southwest Florida, with Civil, Electrical, Survey, Land Development, and Transportation divisions in-house.

We provided certified plans suitable to be submitted for permitting for all of these various disciplines as well as respond to permit review comments.

As a local leader in the field of providing professional services for the water and wastewater industries, we commonly are involved in generator design and construction services projects due to the critical nature of the infrastructure involved.

Ranked #1 of 7 - Electrical Engineering
Ranked #1 of 12 – Surveying/Mapping
Ranked #2 of 27 – Civil Engineering
Ranked #2 of 24 – Engineering Services
Ranked #2 of 11 – Landscape Architecture



And we are proud of our reputation with our clients. As an affirmation of our capabilities relative to other area consultants, various current consultant rankings are shown for one of our clients, The City of Naples. The City of Naples CCNA rankings are attached which show how well Johnson Engineering is regarded compared to other Professional Services firms.

We intend to bring these same capabilities to this project:

There is market risk on some projects due to disruptions in the supply chain that have not been resolved and cost escalation due to inflation. We have used some techniques on past projects to manage market risk:

- A. Procure long-lead equipment as soon as possible. It is possible to complete the specifications for all long-lead equipment early in the design phase so that the County can directly procure the long lead equipment as an Owner-Direct-Purchase (ODP) rather than wait for a complete engineering design package. An ODP of the long lead items will avoid future price escalation and have less impact on the schedule due to supply chain issues since the equipment is ordered early in the project.
- B. Take advantage of existing piggyback contracts from other Florida agencies with pre-negotiated equipment to expedite procurement and get more competitive pricing.

RELEVANT PROJECT EXPERIENCE

Listed below are projects that our proposed project team has worked on or are ongoing which demonstrate the type and breadth of expertise across electrical power, instrumentation and control systems.

CITY OF NAPLES WRF Generators Replacement

Initial Cost: \$257,818

Final Cost: TBD (Ongoing)

Completion Time:
1/2022 - Ongoing

- (4) 600KW Generators in Outdoor Enclosures in Parallel Configuration (2400 KW Total Capacity)
- (2) 3200 Amp Switchgear/Transfer
- 4,000 Amp Generator Tap Box
- (4) 4,550 Integral Diesel Oil Sub-Base Fuel Tanks (18,200 Gals. Total Fuel Oil Capacity)

We are currently providing professional engineering services associated with the replacement of two existing stand-alone generators with five proposed generators to be operated in parallel. This work includes project management, field research, power systems analysis, engineering design and bid documents, electrical systems analysis, bidding support services, civil engineering for the generator pad design, and survey/SUE to support the overall design. The work entailed Engineer-Of-Record design and bidding services related to the development of construction plans and specifications for the replacement of the two existing stand-alone generator systems with a set of proposed generators with 2500KW total capacity that will operate in parallel.



The WRF was designed with two separately located Electrical Rooms with standby emergency backup power generators. Each Electrical Room has independent electrical services with a combined total emergency standby nameplate power capacity of 2700 KW. Electrical Room #1 has one utility feed with one 1500 KVA transformer housed in an indoor FPL utility vault. The switchgear for Electrical Room #1 is served by a 1200 KW diesel generator for emergency standby power. Electrical Room #2 has two utility feeds each with one 1000 KVA FPL transformers that are located outdoors. The switchgear for Electrical Room #2 is served by a 1500 KW diesel generator for emergency standby power. The combined emergency standby nameplate power capacity for the plant is currently 2700 KW.

Johnson Engineering previously analyzed the existing generator systems and delivered a Technical Memo (TM) to the City which holistically analyzed the existing generator systems and made recommendations accordingly. Based on the findings outlined in the TM, it was determined that the existing generator systems have reached end-of-life. As the WRF is considered critical infrastructure, it was deemed necessary to proactively replace the existing generator systems to alleviate issues with cooling systems, exhaust systems, diesel fuel delivery to the generator, the potential for diesel fuel leakage and the resultant environmental impact and leverage modern advances in paralleling generator controls technology, power capacity flexibility, the opportunity to re-purpose existing space, and the relatively favorable capital, operating, and maintenance costs for outdoor systems. Also, there are numerous operational advantages to abandoning all of the old existing diesel lines and above ground storage tanks in lieu of integrated diesel storage tanks on the generators.

CITY OF NAPLES
WTP Switchgear,
MCC's, Generators
Replacement, and New
Electrical Room

- (3) 500KW Generators in Outdoor Enclosures in Parallel Configuration (1500 KW Total Capacity)
- 3200 Amp Switchgear/Transfer
- 2,500 Amp Generator Tap Box
- (3) 2725 Diesel Oil Sub-Base Fuel Tanks (8,175 Gals. Total Fuel Oil Capacity)

Johnson Engineering undertook an extensive modernization of the electrical power and control systems at the City of Naples Water Treatment Plant located inconspicuously just across the street from the Coastland Center Mall in Naples Florida, which provides all of the potable water for the city. With some electrical equipment dating back as far as the 1950s, plant staff recognized the pressing need for replacement of the existing electrical systems due to the deteriorating condition of the equipment. The major types of equipment to be replaced were switchgear, motor control centers (MCCs), control panels, distribution panelboards, transformers, wiring, and raceways.

Two stand-alone 750KW generators located indoors in a dedicated generator room were replaced by three 500KW generators located outdoors configured to operate in parallel. The power distribution and control systems were also completely replaced.

Initial Cost: \$342,972 | **Final Cost:** \$342,972
Completion Time: 4/2020 - 11/2021



COLLIER COUNTY
UTILITIES
Northeast Service Area
(NESA) Wastewater
Treatment Plant, IQ
Water Booster Pump
Station, Potable Water
Booster Pump Station

- (2) 500KW Generators in Outdoor Walk-In Enclosures in Parallel Configuration (1000 KW Total Capacity)
- 3200 Amp Switchgear/Transfer
- (2) 4800 Diesel Oil Sub-Base Fuel Tanks (9,600 Gals. Total Fuel Oil Capacity)

Johnson Engineering is part of a team on a large greenfield design-build project for the County. The NESA project will consist of two independent 750,000 GPD interconnected units for a total system capacity of 1.5 MGD and will utilize onsite rapid infiltration basins for effluent disposal. There will also be a IQ Water Booster Pump Station and Potable Water Booster Pump Station co-located on the site along with other related systems including a Pump Station, Chlorine Contact Tank, Odor Control System, Chlorine system and Chloramine system.

Electrical design components of the overall project include 2500KVA utility service, a Schneider 3200 Amp switchgear, two Rockwell motor control centers, an Electrical Room, two 500KW generators configured to operate in parallel, a high voltage Schneider distribution panelboard, a low voltage distribution panelboard, several control panels assigned by functional area with Rockwell CompactLogix PLC's, and plant instrumentation.

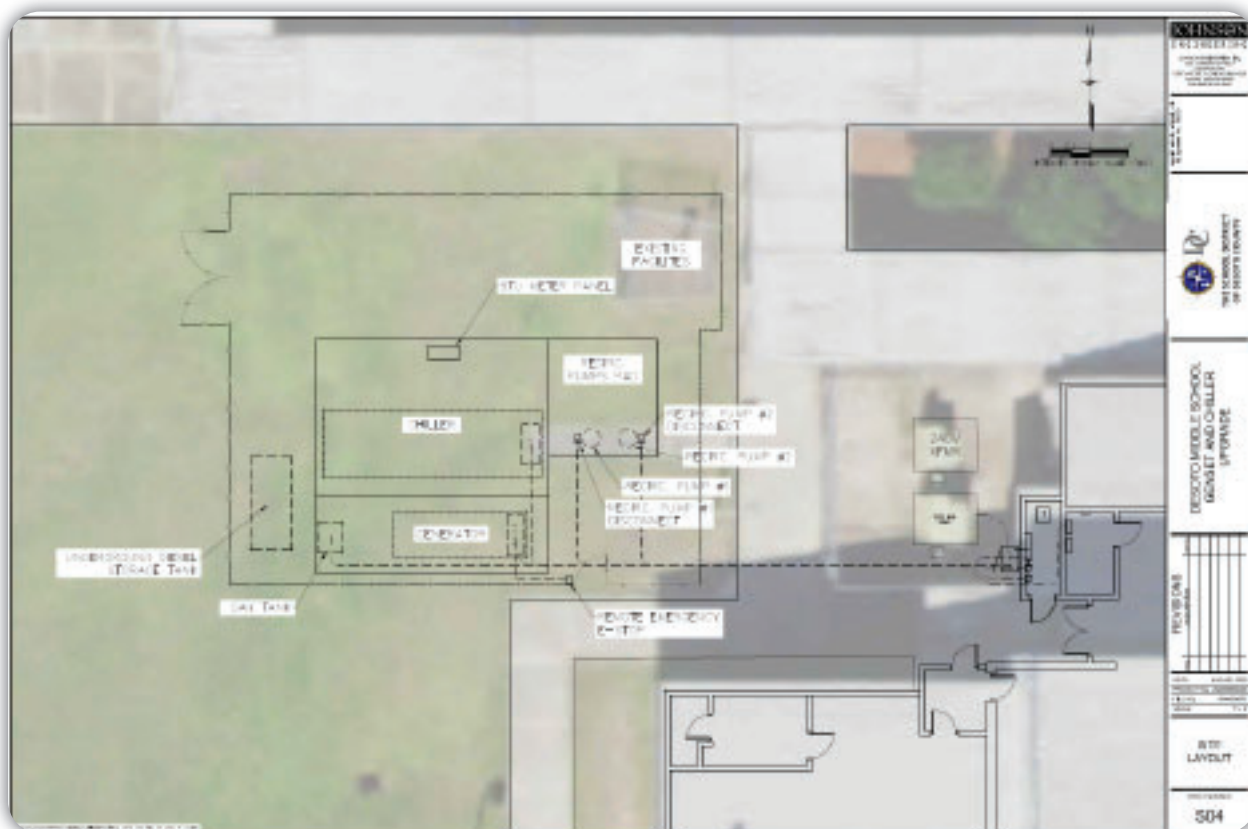
We have found that many projects benefit from the synergy of power, controls and integration being accomplished within the same engineering effort to produce a much more coordinated design with a reduced number of stakeholders. Generally, as the number of stakeholders increases, communication, cooperation and coordination become more challenging. Johnson Engineering is providing all professional design and construction services for this project, including CEI, integration, PLC programming and startup assistance.

Initial Cost: \$350,000 (Electrical) | **Final Cost:** \$350,000
Completion Time: 2/2019 - 12-23

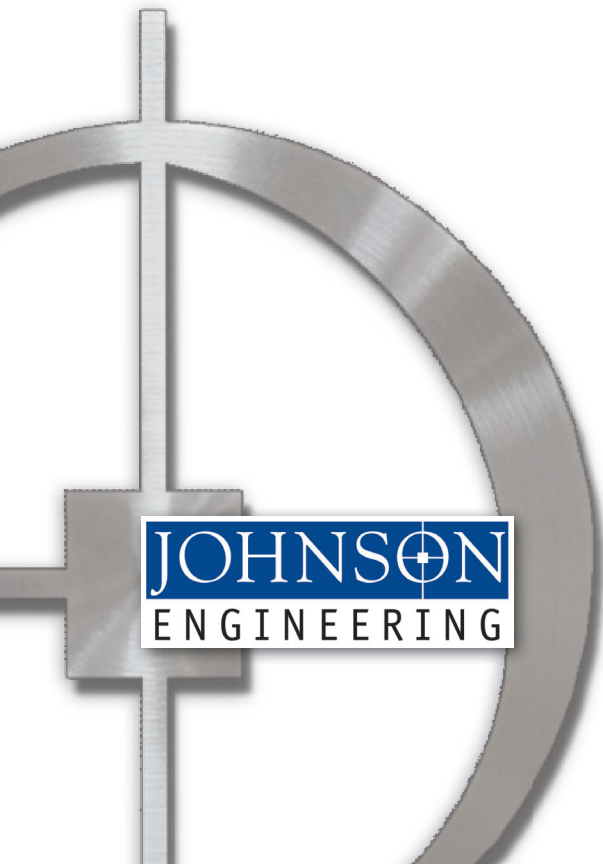


- 500KW Generator in Outdoor Enclosure
- 800 Amp Transfer Switch
- 1500 Gallon Underground Diesel Oil Fuel Tank

Johnson Engineering designed the concrete foundations and associated anchorage requirements for the generator and chiller equipment. The project required a significant integration of the proposed equipment into the existing physical footprint and electrical and mechanical utilities infrastructure of the facility.



VII. Experience & Capabilities



A. GENERATORS

Based on our recent past and ongoing experience with generator sets, we believe that we have a very good understanding of the requirements for a project of this magnitude and complexity, including the following generator projects:

PROJECT EXPERIENCE *(Total KW - Project)*

- 2400KW (total capacity) - City of Naples WWTP Generator Replacement (Design & Construction ongoing)
- 1500KW (total capacity) - City of Naples WTP Switchgear, MCC's, and Generator Replacement (Design & Construction 11/21)
- 1000KW (total capacity) - Collier County NESA WWTP, IQ and Potable Booster Stations (Design & Construction ongoing)
- 1200KW (total capacity) - City of Naples WWTP Switchgear and MCC's Replacement and Generator Upgrade (Design & Construction 12/19)
- 240KW (total capacity) - FGUA N. Ft. Myers Well Sites 3, 5, 6, 8, 10 and 20 Generator Additions (Design & Construction 9/20)
- 230KW - City of Clewiston WWTP Generator Replacement (Design 11/21; Construction ongoing)
- 200KW - Hendry Regional Medical Center Generator and Electrical Equipment Replacement (9/16)
- 170KW (total capacity) - FGUA N. Ft. Myers Lift Stations 78, 85 and 104 Generator Additions (Design & Construction 12/19)
- 125KW - Collier County Landfill Pump Station Generator Upgrade (4/20)
- 50-150KW - Collier County Utilities Lift Station Generator Upgrades and Design Standards (Numerous projects, 2017 - ongoing)
- 100KW - City of Fort Myers Coronado Park Generator Upgrade
- 60KW - Jones Loop Rd. Lift Station and Generator Upgrade, City of Punta Gorda (8/18)
- (5) 150KW Generators coupled with a 400 Amp automatic transfer switch - Bonita Beach and Tennis Club, Bonita Springs, Design 11/23, Construction Ongoing)

Most of the listed projects are retrofits which require significant field research, construction staging planning, documentary research, interviews with operators, and investigation of current conditions at the sites.

We have proven expertise in the type and capacity of equipment that is projected for a facility of this size. This will allow us to leverage specific prior experiences from similar projects resulting in superior designs, significantly reduced engineering costs, project design duration, and incorporation of lessons learned. This expertise includes design services as well as construction services.

The design methodology will build on this prior experience and start with site research, staff interviews, and review of existing documentation. There will be a strong reliance on relevant local and national electric codes as well as the Florida Building Code and NFPA 110 Standard for Emergency and Standby Power Systems.



B. ENERGY EFFICIENCY

It will be important to identify all of the loads that will be on emergency standby power as well as the order in which those loads will be seen by the generator. It may also be possible to load-shed non-critical loads if necessary. Once all of the generator load parameters have been determined, the generator and auxiliary equipment can be sized. Per our experience and best practice to achieve optimal efficiency and performance of the generator, we set an ideal target power generator capacity of between 30 – 80 % of nameplate rating.

C. COST ANALYSIS & CONTROL

As previously noted in Section IV "Project Control", controlling costs on a project involves a combination of planning, monitoring, and proactive decision-making. Regular communication, monitoring, and flexibility are key components of successful cost control throughout the project lifecycle. We plan to adhere to the following steps to better control costs:

Develop a Detailed Budget:

- Start with a comprehensive project budget that includes all anticipated costs, such as labor, materials, equipment, overhead, and contingency.
- Break down the budget by project phases or tasks for better visibility.

Set Realistic Cost Estimates:

- Conduct thorough cost estimation for each element of the project.
- Use historical data, industry benchmarks, and contractor's input to ensure accuracy.

Allocate Resources Efficiently:

- Assign resources based on their skills and expertise, avoiding overallocation or underutilization.
- Regularly review and adjust resource allocations as project requirements evolve.

Allocate Contingency Funding:

- Include a contingency allowance in the budget to account for unforeseen risks or changes.
- Monitor and adjust the contingency fund based on project progress and risk assessments.

Implement a Change Control Process:

- The Project Manager will enforce a formal process for reviewing and approving changes to the project scope or requirements.
- Clearly communicate the financial implications of proposed changes, ensuring that all stakeholders are aware of the potential cost impact.

Regularly Update the Budget:

- Revisit and update the budget regularly, especially when there are changes in project scope, schedule, or resource allocation.
- Ensure that all stakeholders are informed of any adjustments to the budget.

Leverage existing supplier pre-negotiated piggyback contracts:

- Take advantage of pre-negotiated state contracts with vendors to obtain the best value for products and services by piggybacking on these existing contracts

Conduct Post-Project Analysis:

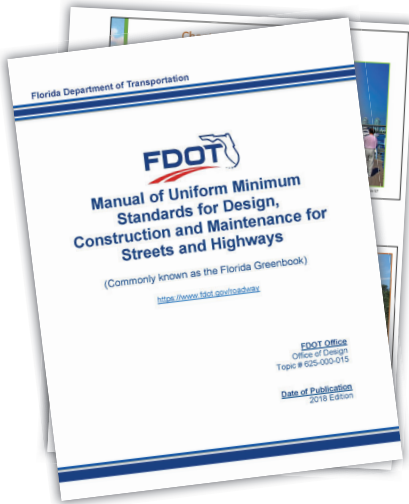
- After project completion, conduct a thorough analysis of actual costs against the budget.
- Identify lessons learned and areas for improvement in cost control for future projects.



D. PERMITTING FOR CHARLOTTE COUNTY

Johnson Engineering has maintained an office right across the street from on the Charlotte County Administration Center on Murdock Circle for over 31+ years, which shows our dedication and focus to serve the County. Our 77+ years of being Johnson Engineering we were working for Charlotte County before we got the office. We are not an out-of-town firm just stopping by because you have a project advertised. We appreciate the opportunities we've been given over the years. With numerous employees residing in Charlotte County, we are committed and continue to put down roots in the community. We know and live amongst Charlotte County staff and feel a responsibility to give the County a local presence of expertise and professionals you can easily reach.

We have done a lot of work in this community over the years. (See summary below of some of our notable Charlotte County projects). In doing this work we have learned a lot, not just the County's particular requirements but the less tangible things like local concerns, pulse of the BCC, growth trends, economic development initiatives, and sensitivity to local movements. Chris Beers is on the team as the project liaison due to his extensive relationship with the County.



Notable Charlotte County Projects

Piper Road North Roadway	Port Charlotte Boulevard Sidewalks
Aqui Esta Roadway	Year 1 Sidewalks
Harbor Boulevard Enhancement	Year 3 Sidewalks
Peachland Boulevard Sidewalks	South Gulf Cove Phase 1 & Phase 3 Pathways
Midway Blvd Pathway & Bridge	Parmely Street Pathway & Lighting
Burnt Store Phase 2 Roadway	South County Regional Park Design
Bermont Shoulders Improvements	O'Donnell Regional Park Phase 1, 2, & 3
Elkcam Boulevard Pathway	Ann Dever (West County) Regional Park
Loveland Grand Master Lift Station	Gasparilla Road (CR 771) 4-Laning

We have recently designed dozens & dozens of projects for all the major departments of Charlotte County, i.e., facilities, utilities, public works, building department, community development, parks, and planning and zoning studies. With these projects, come years of relationships and association with many County staff and administration. Be assured that we can be at a meeting on short notice if needed. We are comfortable to pick-up the phone to communicate at any time with County staff. All this experience has developed affiliations with state and federal permitting agencies also. We have taken years to develop relationship with permitting reviewers and will leverage these associations for this project if necessary.

E. ENVIRONMENTAL ASSESSMENT



Our team understands the importance of environmental considerations and will take appropriate action to determine any potential impact which may result long before construction begins. Florida's delicate environment demands the services of highly experienced environmental staff capable of accurately assessing project impacts to minimize effects and costs. Our environmental scientists are qualified expert witnesses and adapt at expertly advocating our clients' position in any forum. Typical services are protected species evaluation, wetland and stormwater assessment, and mitigation planning. Johnson Engineering's in house environmental staff is very experienced on Charlotte County projects. Recently we have performed environmental services as part of the CCU library on various CCU projects.

F. SPECIALIZED EXPERIENCE

I. Training

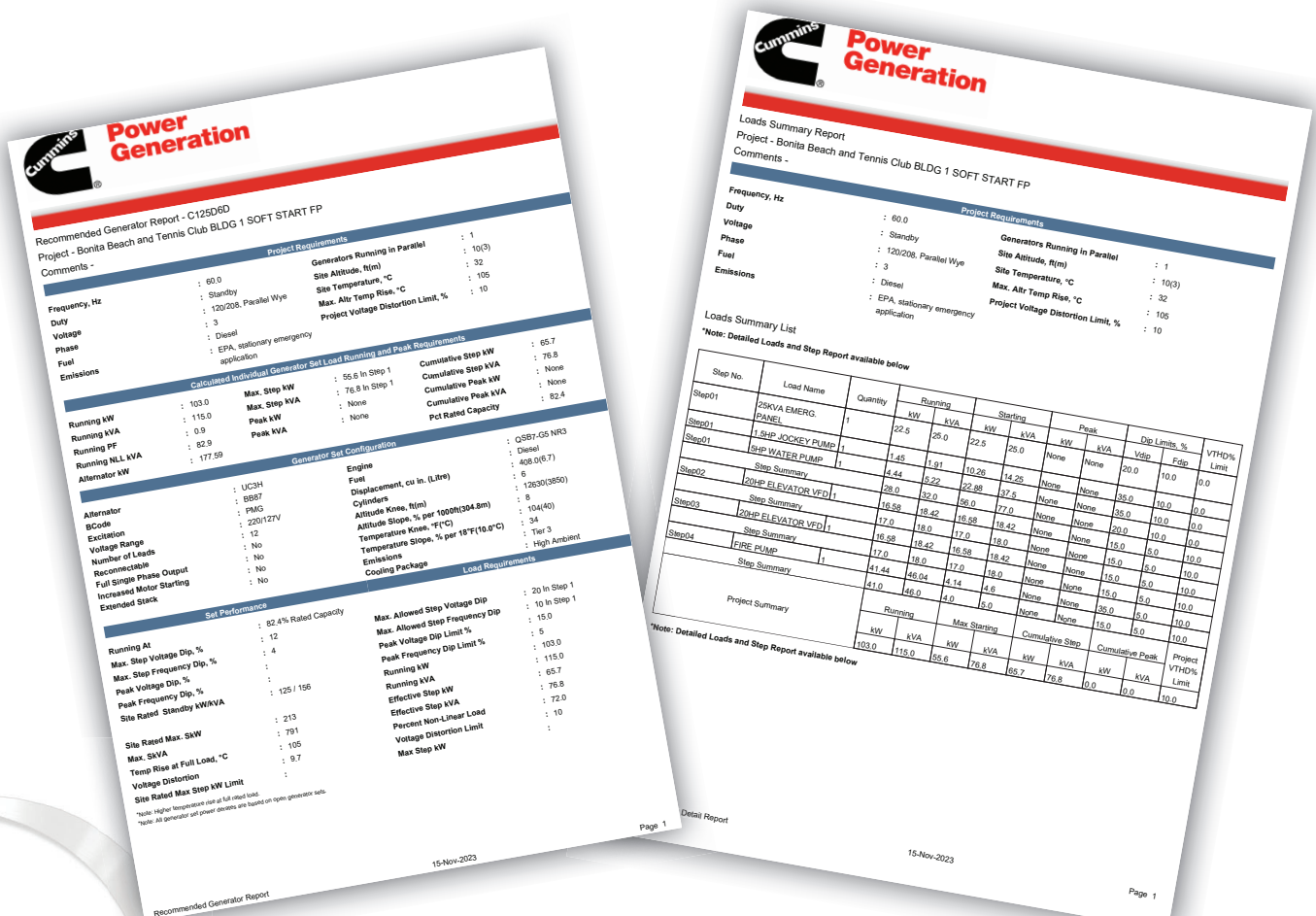
Wayne Wright, PE, has competed numerous generator technical training sessions, as listed below:

- Generac Power Technical Conference (2022 planned, 3-Days)
- Cummins Power Seminar (2022, 4PDH)
- Cummins Transfer Switch Fundamentals (2022, 2023, IPDH)
- Cummins Gaseous Generators (2021, IPDH)
- Cummins NEC on Emergency Power systems (2021, IPDH)
- Cummins Transfer Switch Control (2021, IPDH)
- Cummins NFPA 110 (2021, 2023, IPDH)
- Cummins Power Systems Equipment for Wastewater (2021, IPDH)
- Cummins Power Seminar (2020, 4PDH)
- Cummins Datacenter Design Challenges (2020, IPDH)
- Cummins Genset Sizing Software and Transient Loads (2020, IPDH)
- Cummins Genset Sizing (2020, IPDH)
- Cummins Genset Common Failure Modes (2018, IPDH)

2. Generator Sizing

On every generator installation project, it is critical that the generator be appropriately sized for the application for optimal performance and to reduce capital and maintenance costs. Johnson Engineering can run multiple loading scenarios to ascertain the necessary generator power capacity. In addition, we work with generator suppliers to help validate our theoretical power capacity findings.

A portion of a typical sizing study for a prior project is shown below.



REV 230830

NCWRF SWITCHGEAR #1 UPGRADE

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011001
PHASING OF WORK

PART 1 – GENERAL**1. Purpose**

- A. To facilitate installation of the new equipment, Electrical Service #1 shall be de-energized.
 - B. Prior to de-energization, the Contractor shall install temporary generators at all loads that are currently powered by Electrical Service #1.
 - C. The Contractor shall coordinate with FPL temporary de-energization of Electrical Service #1 at the onset of demo followed by the re-energization of Electrical Service #1 at the start of construction commissioning.
 - D. The Contractor will have access to the work area 24/7 to expedite construction and shorten the duration of the utility de-energization and duration of the need for temporary power.
 - E. Prior to mobilization, the Contractor shall submit a detailed phasing and implementation plan and schedule for approval by the County.
1. The phasing plan and schedule will include
 - A. Listing of all construction and demo activities
 - B. Commencement dates of all construction and demo activities
 - C. Duration of all construction and demo activities
 - D. Contingency plans
 - E. Contact information for all field supervision
 2. The Phasing Plan shall be approved by the County prior to construction.
 3. Any changes to the phasing plan must be approved by the County.

2. Temporary Power

- A. The Contractor shall provide temporary generators rated for Prime Duty operation for all of the Electrical Service #1 loads for the duration of the outage:
 1. MCC-15 Sludge Holding/MCC-8 Dewatering Bldg. 750 KW
 2. Spare #1 750 KW
 3. MCC-1 Equalization #3..... 450 KW

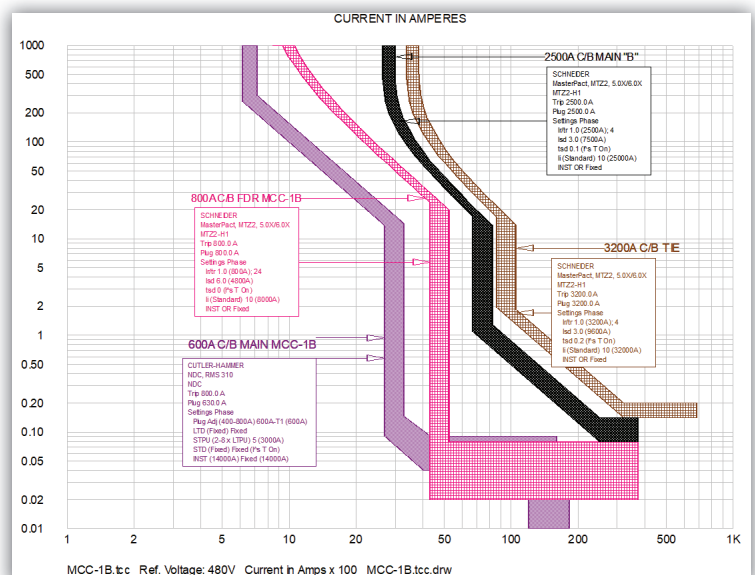
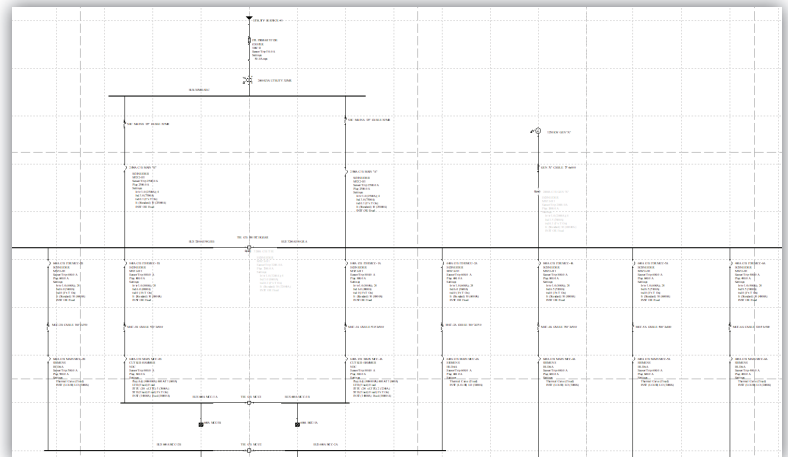
COLLIER COUNTY
TECHNICAL SPECIFICATIONSSECTION 011001
PHASING OF WORK

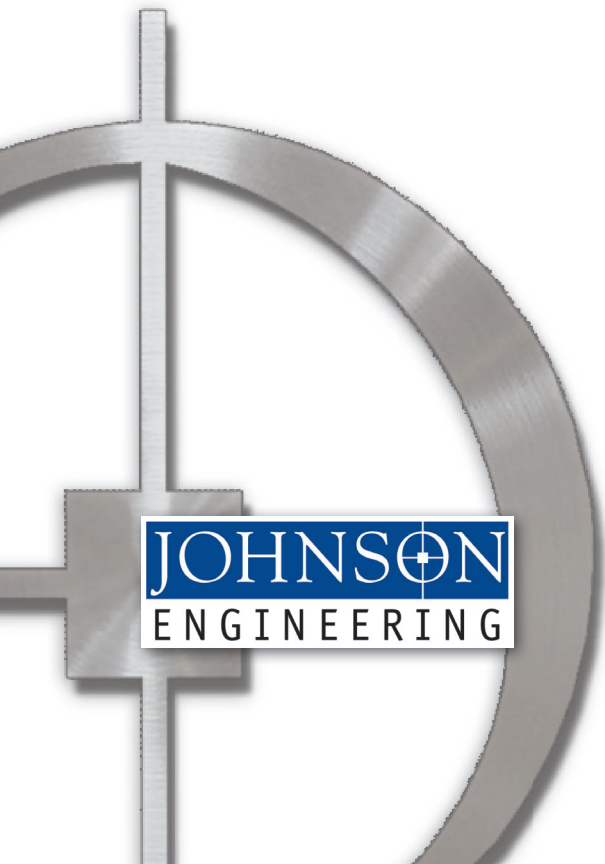
In addition, we have recently completed a design to replace some large electrical service entrance equipment, and have specified numerous generators that the contractor must install temporarily to keep the plant operational during construction. All of the loads were evaluated for sizing of the temporary generators per the specification excerpt to the right:

3. SKM Power Analysis (Short Circuit Analysis, Protective Coordination Study)

It is common for engineers to perform an electrical systems analysis after the equipment design is complete. However, a post-design power analysis may lead to over-rating equipment in the design phase and it may be very difficult to ultimately correct deficiencies identified by the analysis. We believe it is not only beneficial, but essential, to perform the electrical systems power analysis as part of the initial equipment design to ensure the equipment is properly rated. Johnson Engineering has the ability to perform an SKM power analysis in-house rather than sub-contract to an outside firm, which simplifies and expedites the power analysis process.

Examples of a short circuit I-line system diagram and protective coordination analysis for a current project is shown below:

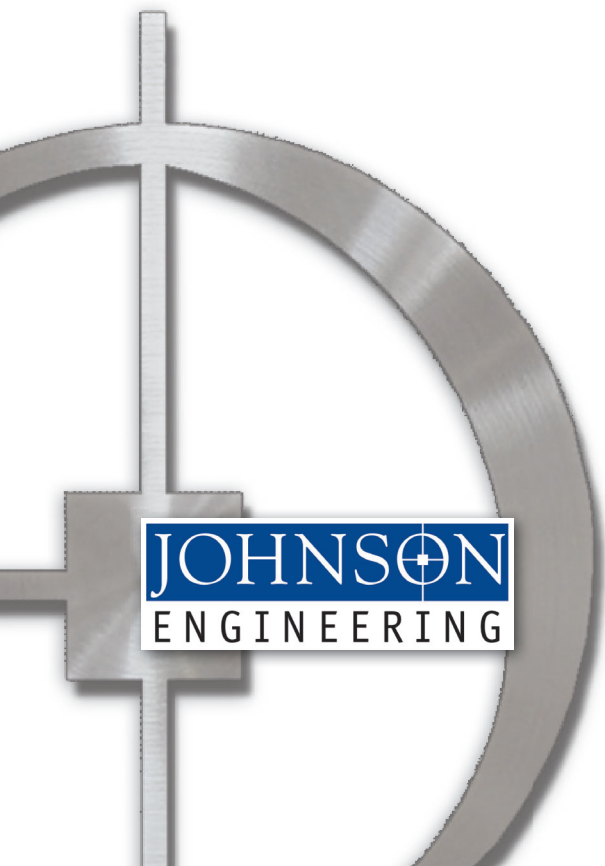






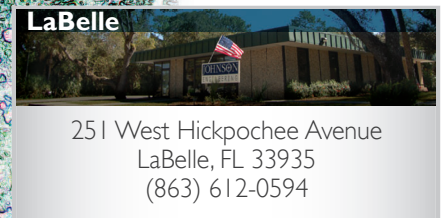
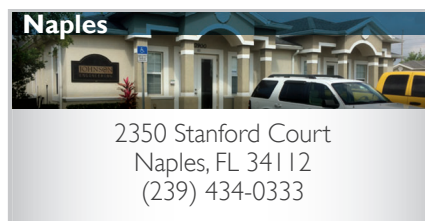
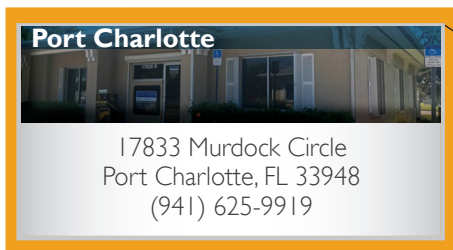
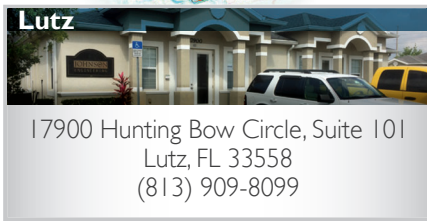
Within the last 24 months, Johnson Engineering has previously been awarded between the range of \$500,000 + by Charlotte County.

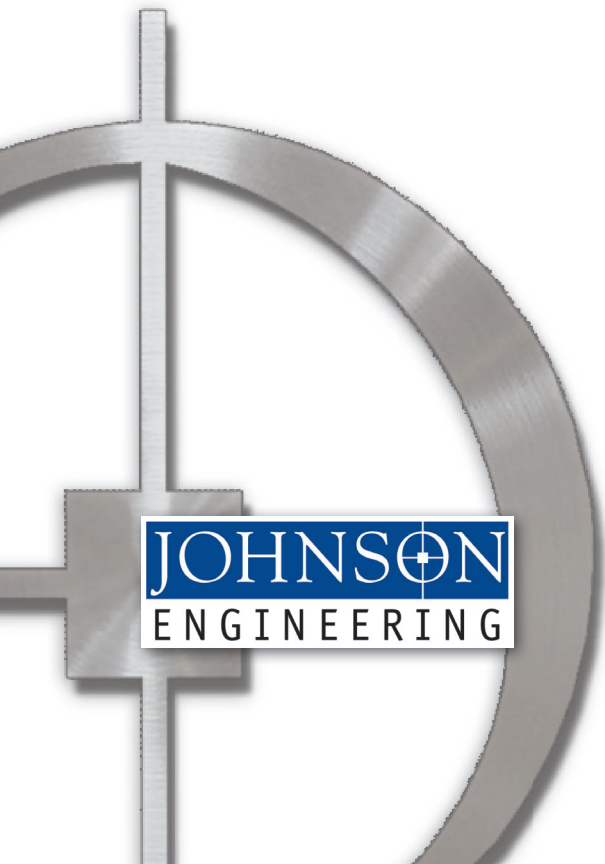




OFFICE LOCATIONS

Johnson Engineering has six offices throughout Florida. We've had an established office in Charlotte County for the last 30 years.





CIRCUMSTANCES & OUTCOME

We would like to state, as a result of the litigation listed below; Johnson Engineering has not had any judgments rendered against us.

Active - Pending Successful Settlement

→ **Mary Ann Eisenreich v. Town of Fort Myers Beach et al (2023)**

Case No. 2023-CA-002323

In February 2021, Mary Eisenreich crashed her bicycle in a construction zone of Estero Boulevard. She neglected to use common sense as she intentionally drove her bicycle across uneven terrain. Johnson Engineering did not design the portion of Estero Boulevard where Eisenreich crashed, nor did they have any responsibility over the construction thereof. Johnson Engineering will actively defend itself against this frivolous claim.

Concluded - Successful Settlement

→ **Celestina (2020) South Gulf Cove Phase 3 Sidewalks**

Case Number: 20-CA-004366 - Circuit Court of 20th Judicial Circuit in and for Lee County.

An individual fell off her bicycle on a Charlotte County sidewalk and alleges that the sidewalk was not properly designed. The sidewalk was not designed by Johnson Engineering. This case was settled.





CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

12/13/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Insurance Management Consultancy Group, Inc. 7780 Cambridge Manor Place, Suite B Fort Myers FL 33907		CONTACT NAME: Anna Evans PHONE (A/C, No, Ext): 239-990-2100 FAX (A/C, No): 239-990-2410 E-MAIL ADDRESS: info@imcccm.com	
INSURED Johnson Engineering, Inc. 2122 Johnson St. Fort Myers FL 33901		INSURER(S) AFFORDING COVERAGE INSURER A: Continental Casualty Company INSURER B: American Casualty Company of Reading, INSURER C: Continental Insurance Company INSURER D: Valley Forge INSURER E: INSURER F:	
License#: L109313 JOHNENG-01		NAIC # 20443 20427 35289 20508	

COVERAGES

CERTIFICATE NUMBER: 1750510486

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
B	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PRO-JECT ☒ LOC ☒ OTHER: Incl Contractual	Y	Y	7034452897	9/15/2023	9/15/2024	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 15,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	☒ AUTOMOBILE LIABILITY ☒ ANY AUTO ☐ OWNED AUTOS ONLY ☒ HIRED AUTOS ONLY ☐ SCHEDULED AUTOS ☒ NON-OWNED AUTOS ONLY	Y	Y	7034456979	9/15/2023	9/15/2024	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ PIP \$ 10,000
C	☒ UMBRELLA LIAB ☒ EXCESS LIAB ☐ RETENTION \$ 10,000			7034458148	9/15/2023	9/15/2024	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	WC734452561	9/24/2023	9/24/2024	☒ PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
A	Cyber Liability			596721465	9/15/2023	9/15/2024	Aggregate Limit 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

RE: Charlotte County Design Generator Installations, RFP No. 2024000147

Charlotte County a political subdivision of the state of Florida and it officers, employees, agents is listed as additional insured with respects to general liability per form CNA75079XX and auto liability per form CA2048. A wavier of subrogation applies to the general liability, auto liability, and workers compensation policies.

CERTIFICATE HOLDER

CANCELLATION

Charlotte County 18500 Murdock Circle Port Charlotte FL 33948	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
---	---

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ACORD 25 (2016/03)

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Charlotte County | RFP No. 2024000147
 Design Generator Installations
 December 15, 2023

JOHNSON
ENGINEERING

42

Equal Opportunity/Affirmative Action Employer



JOHNENG-01

ASOSTENUTO

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
12/13/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER JCJ Insurance Agency, LLC 2208 Hillcrest Street Orlando, FL 32803	CONTACT NAME: PHONE (A/C, No, Ext): (321) 445-1117 FAX (A/C, No): (321) 445-1076 E-MAIL ADDRESS: certs@jcj-insurance.com														
INSURED Johnson Engineering, Inc. 2122 Johnson St Fort Myers, FL 33901	<table><tr><th>INSURER(S) AFFORDING COVERAGE</th><th>NAIC #</th></tr><tr><td>INSURER A : Beazley Insurance Company, Inc</td><td>37540</td></tr><tr><td>INSURER B :</td><td></td></tr><tr><td>INSURER C :</td><td></td></tr><tr><td>INSURER D :</td><td></td></tr><tr><td>INSURER E :</td><td></td></tr><tr><td>INSURER F :</td><td></td></tr></table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A : Beazley Insurance Company, Inc	37540	INSURER B :		INSURER C :		INSURER D :		INSURER E :		INSURER F :	
INSURER(S) AFFORDING COVERAGE	NAIC #														
INSURER A : Beazley Insurance Company, Inc	37540														
INSURER B :															
INSURER C :															
INSURER D :															
INSURER E :															
INSURER F :															

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☐ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☐ PRO-JECT ☐ LOC OTHER:						EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ \$
	AUTOMOBILE LIABILITY ☐ ANY AUTO ☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	UMBRELLA LIAB ☐ OCCUR EXCESS LIAB ☐ CLAIMS-MADE DED ☐ RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) ☐ If yes, describe under DESCRIPTION OF OPERATIONS below		N / A				PER STATUTE ☐ OTH-ER ☐ E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
A	Professional Liab			C35940230101	9/15/2023	9/15/2024	Per Claim/Aggregate 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
RE: Charlotte County Design Generator Installations, RFP No. 2024000147
30 Day Notice of Cancellation, except for 10 days for non-payment

CERTIFICATE HOLDER

CANCELLATION

Charlotte County 18500 Murdock Circle, Ste 344 Port Charlotte, FL 33948	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
---	---

ACORD 25 (2016/03)

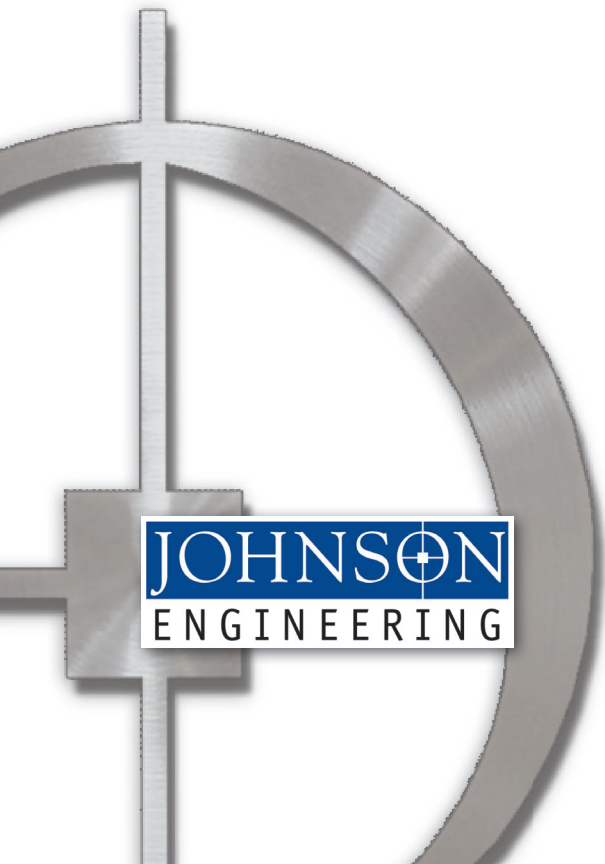
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Charlotte County | RFP No. 2024000147
Design Generator Installations
December 15, 2023**JOHNSON**
ENGINEERING

43

Equal Opportunity/Affirmative Action Employer



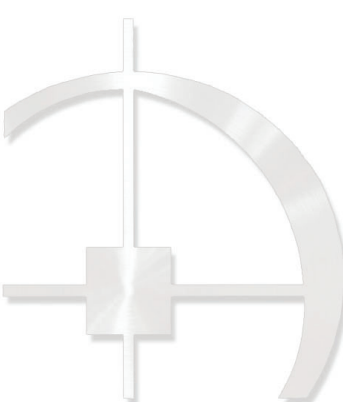


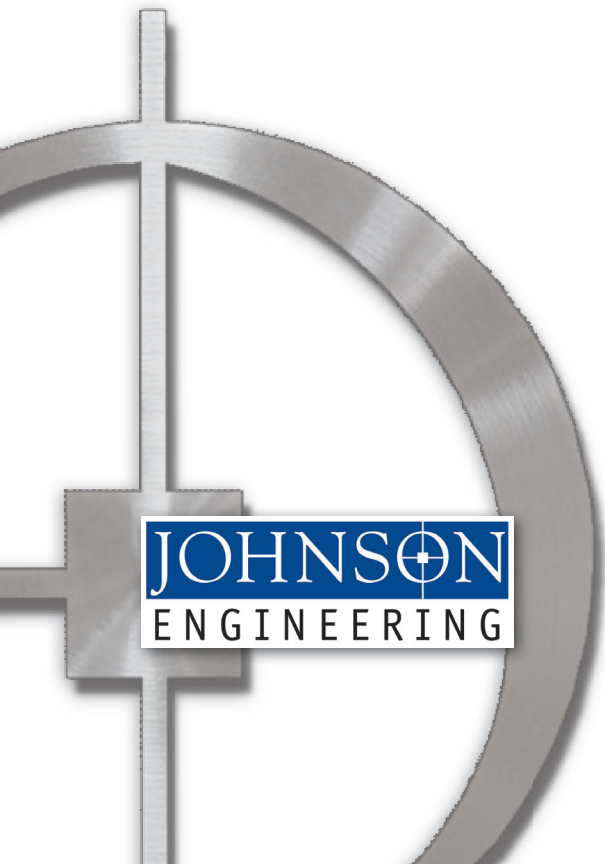
Johnson Engineering is not a certified minority business. However, we take great pride in being an equal opportunity employer. Our goal is to establish a team in the best interest of our clients, while maintaining the standard of quality our firm and clients demand.

Once selected, we will work closely with Charlotte County in identifying other potential minority teaming opportunities.

Equal Opportunity/Affirmative Action Employer

Johnson Engineering is an Equal Employment Opportunity and Affirmative Action Employer and seeks to recruit qualified women, qualified minorities, qualified individuals with disabilities and qualified protected veterans. It is the policy of Johnson Engineering not to discriminate against any employee or applicant for employment based on race, gender, age, disability or national origin or because he or she is a qualified individual with a disability, a disabled veteran, a newly separated veteran, a campaign veteran or an armed forces service medal veteran.





TEAM LICENSES & CERTIFICATIONS

myfloridalicense.com/relation/record.cnt=1&icid=2700471&name=&dateform=&licNum=&date=&frame=&cat=...

Licensee		License Number:	
Name:	HOWARD, LONNIE V.	License Number:	33167
Rank:	Professional Engineer	License Expiration Date:	02/28/2025
Primary Status:	Current	Original License Date:	08/17/1998
Secondary Status:	Active		

Related License Information					
License Number	Status	Related Party	Relationship Type	Relation Effective Date	Rank Expiration Date
642	Current	JOHNSON ENGINEERING INC	Registry	05/23/2012	Registry

**State of Florida
Department of State**

I certify from the records of this office that JOHNSON ENGINEERING, INC. is a corporation organized under the laws of the State of Florida, filed on November 3, 1967.

The document number of this corporation is 322710.

I further certify that said corporation has paid all fees due this office through December 31, 2023, that its most recent annual report/uniform business report was filed on March 31, 2023, and that its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capitol, this the Thirty-first day of March, 2023


Secretary of State

Tracking Number: 180328740C

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sosbdr.org/Filings/CertificateOfStatus/CertificateAuthentication>

Ben DeLantis, Governor
Melinda S. Griffin, Secretary

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

ACOSTA, RICARDO
2427 SW 4TH
CAPE CORAL, FL 33991

LICENSE NUMBER: PE69121
EXPIRATION DATE: FEBRUARY 28, 2025
Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.
This is your license. It is unlawful for anyone other than the licensee to use this document.

Ben DeLantis, Governor
Melinda S. Griffin, Secretary

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

BEERS, CHRISTOPHER DAVID
524 W. VIRGINIA AVE
PUNTA GORDA, FL 33950-4849

LICENSE NUMBER: PE66594
EXPIRATION DATE: FEBRUARY 28, 2025
Always verify licenses online at MyFloridaLicense.com

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Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkwy Tallahassee, Florida 32399-6500

License No.: **LB642**
Expiration Date: February 28, 2025

Professional Surveyor and Mapper Business License
Under the provisions of Chapter 472, Florida Statutes

JOHNSON ENGINEERING, INC.
2122 JOHNSON ST
FORT MYERS, FL 33901-3408


WILTON SIMPSON
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.

Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkwy Tallahassee, Florida 32399-6500

License No.: **LS5312**
Expiration Date: February 28, 2025

Professional Surveyor and Mapper License
Under the provisions of Chapter 472, Florida Statutes

MARK D HAINES
1469 COVINGTON CIR W
FORT MYERS, FL 33919-2001


WILTON SIMPSON
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.

Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkwy Tallahassee, Florida 32399-6500

License No.: **LS6959**
Expiration Date: February 28, 2025

Professional Surveyor and Mapper License
Under the provisions of Chapter 472, Florida Statutes

ERIK LEE HOWARD
PO BOX 284
FORT OGDEN, FL 34267-0284


NICOLE 'NIKKI' FRIED
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.

Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkwy Tallahassee, Florida 32399-6500

License No.: **LS6664**
Expiration Date: February 28, 2025

Professional Surveyor and Mapper License
Under the provisions of Chapter 472, Florida Statutes

CHRISTOPHER D BEERS
17833 MURDOCK, CR
PORT CHARLOTTE, FL 33948-4095


WILTON SIMPSON
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.

Ben DeLantis, Governor
Melinda S. Griffin, Secretary

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

HOWARD, ERIK LEE
PO BOX 284
FORT OGDEN, FL 34267

LICENSE NUMBER: PE64674
EXPIRATION DATE: FEBRUARY 28, 2025
Always verify licenses online at MyFloridaLicense.com

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Ben DeLantis, Governor
Melinda S. Griffin, Secretary

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

WRIGHT, WAYNE W.
10061 HIDDEN PINES LANE
BONITA SPRINGS, FL 34135

LICENSE NUMBER: PE64220
EXPIRATION DATE: FEBRUARY 28, 2025
Always verify licenses online at MyFloridaLicense.com

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PART IV - SUBMITTAL FORMS
PROPOSAL SUBMITTAL SIGNATURE FORM

1.	Project Team Name and Title	Years experience	City of office individual will work out of for this project	City individual's office is normally located	City of individual's residence
	Wayne Wright, PE, Project Manager/ Sr. Electrical Engineer	41	Fort Myers	Fort Myers	Fort Myers
	Christopher Beers, PE, PSM, Permitting & Environmental Assessments	29	Port Charlotte	Port Charlotte	Punta Gorda
	Mark Haines, PSM, Survey	39	Fort Myers	Fort Myers	Fort Myers
	Erik Howard, PE, PSM, Civil Engineering	21	Port Charlotte	Fort Myers	Fort Ogden
	Rick Acosta, PE, CFM, Certified Floodplain Manager	21	Fort Myers	Fort Myers	Cape Coral

2.	Magnitude of Company Operations				
	A) Total professional services fees received within last 24 months:			\$ 57 million	
	B) Number of similar projects started within last 24 months:			10	
	C) Largest single project to date:			\$ 15.9 million	

3.	Magnitude of Charlotte County Projects				
	A) Number of current or scheduled County Projects			10	
	B) Payments received from the County over the past 24 months (based upon executed contracts with the County).			\$ 1.4 million	

4.	Sub-Consultant(s) (if applicable)	Location	% of Work to be Provided	Services to be Provided
	RG Architects, P.A.	2070 McGregor Blvd #1 Fort Myers, FL 33901	10%	Architecture & Design Services

5.	Disclosure of interest or involvement: List below all private sector clients with whom you have an active pending contract and who have an interest within the areas affected by this project. Also, include any properties or interests held by your firm, or officers of your firm, within the areas affected by this project.				
	Firm	Address			
	Phone #	Contact Name			
	Start Date	Ending Date			
	Project Name/Description				
	To the best of our knowledge we have no active or pending contracts. If a contract were to occur within the area we are servicing, we would notify Charlotte County immediately of the change in status.				

NAME OF FIRM Johnson Engineering, Inc.
(This form must be completed and returned)

6. Minority Business:Yes _____ No X

The County will consider the firm's status as an MBE or a certified MBE, and also the status of any sub-contractors or sub-consultants proposed to be utilized by the firm, within the evaluation process.

Comments or Additional Information:

The undersigned attests to his/her authority to submit this proposal and to bind the firm herein named to perform as per contract, if the firm is awarded the Contract by the County. The undersigned further certifies that he/she has read the Request for Proposal, Terms and Conditions, Insurance Requirements and any other documentation relating to this request and this proposal is submitted with full knowledge and understanding of the requirements and time constraints noted herein.

By signing this form, the proposer hereby declares that this proposal is made without collusion with any other person or entity submitting a proposal pursuant to this RFP.

In accordance with section 287.135, Florida Statutes, the undersigned certifies that the company is not on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, and does not have business operations in Cuba or Syria (if applicable) or the Scrutinized Companies that Boycott Israel List, or is not participating in a boycott of Israel.

As Addenda are considered binding as if contained in the original specifications, it is critical that the Consultant acknowledge receipt of same. The submittal may be considered void if receipt of an addendum is not acknowledged.

Addendum No. _____ Dated _____ Addendum No. _____ Dated _____ Addendum No. _____ Dated _____

Addendum No. _____ Dated _____ Addendum No. _____ Dated _____ Addendum No. _____ Dated _____

Type of Organization (please check one): INDIVIDUAL () PARTNERSHIP ()
CORPORATION (X) JOINT VENTURE ()

Johnson Engineering, Inc.
Firm Name

(239) 334-0046
Telephone

Fictitious or d/b/a Name

59-1173834
Federal Employer Identification Number (FEIN)

2122 Johnson Street
Home Office Address

Fort Myers, FL 33901
City, State, Zip

77
Number of Years in Business

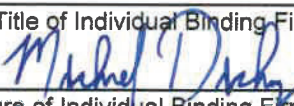
17833 Murdock Circle, Port Charlotte, FL 33948

Address: Office Servicing Charlotte County, other than above

Christopher Beers, PE, PSM, Branch Manager
Name/Title of your Charlotte County Rep.

(941) 766-6262
Telephone

Michael Dickey, PE, Chairman / Vice President
Name/Title of Individual Binding Firm (Please Print)


Signature of Individual Binding Firm

December 15, 2023
Date

mdickey@johnsoneng.com
Email Address

(This form must be completed & returned)

DRUG FREE WORKPLACE FORM

The undersigned vendor in accordance with Florida Statute 287.087 hereby certifies that Johnson Engineering, Inc.
does: (name of business)

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.


Proposer's Signature Michael Dickey, PE

December 15, 2023
Date

END OF PART IV

(This form must be completed & returned)

BYRD ANTI-LOBBYING CERTIFICATION

Certification for Contracts, Grants, Loans, and Cooperative Agreements

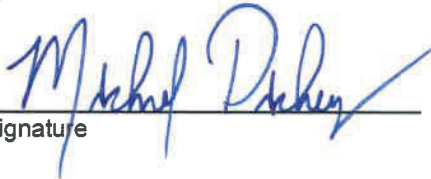
The undersigned certifies, to the best of his or her knowledge and belief, that:

- (1) No Federal 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 an Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal 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 this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification 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.C. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

December 15, 2023
Date

Michael Dickey, PE
Type or Print Name


Signature

Chairman / Vice President
Title