TLC ENGINEERING SOLUTIONS®

DESIGN SERVICES: NEW DIESEL GENERATOR AT PRINEVILLE LIME PLANT WATER TREATMENT FACILITY

City of Port St. Lucie

RFP # 20240039

May 13, 2024

Justin Mulhollan, PE, LEED AP BD+C,
CEM, GGP, WELL AP
Principal / Regional Director
7370 Cabot Court, Suite 103
Melbourne, FL 32940
321.636.0274
justin.mulhollan@tlc-eng.com

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TAB 1

FIRM QUALIFICATIONS

TAB 1 - FIRM QUALIFICATIONS
A. LICENSE AND CREDENTIALS

TLC ENGINEERING SOLUTIONS INC., STATE OF FLORIDA REGISTRATION

State of Florida
Department of State

I certify from the records of this office that TLC ENGINEERING SOLUTIONS, INC. is a corporation organized under the laws of the State of Florida, filed on December 31, 1968.

The document number of this corporation is 339497.

I further certify that said corporation has paid all fees due this office through December 31, 2024, that its most recent annual report/uniform business report was filed on January 3, 2024, 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 Capital, this the Third day of January, 2024

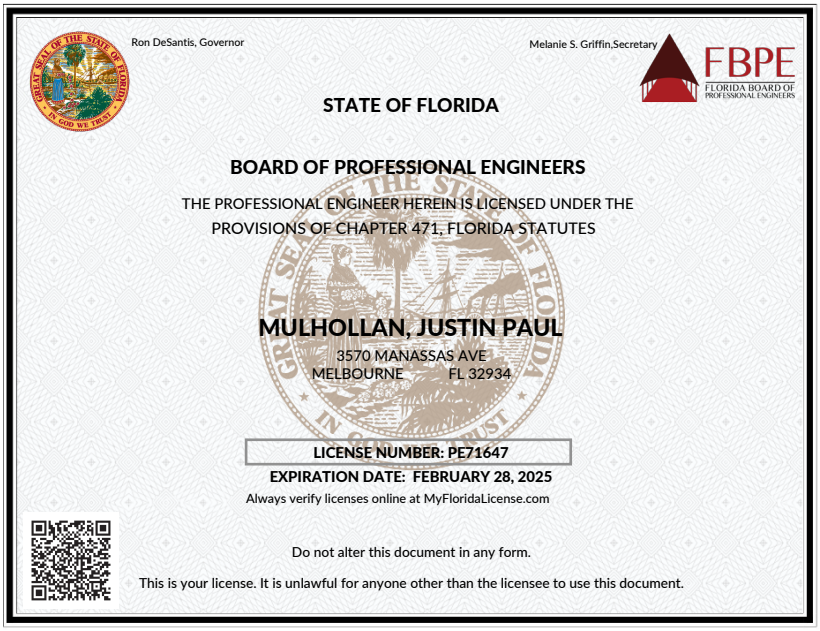
Secretary of State

Tracking Number: 1102468819CU

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

https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication

JUSTIN PAUL MULHOLLAN , PE, LEED AP BD+C, CEM, GGP, WELL AP - PRINCIPAL IN CHARGE



Ron DeSantis, Governor

Melanie S. Griffin,Secretary

FBPE
FLORIDA BOARD OF PROFESSIONAL ENGINEERS

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

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

MULHOLLAN, JUSTIN PAUL
3570 MANASSAS AVE
MELBOURNE FL 32934

LICENSE NUMBER: PE71647
EXPIRATION DATE: FEBRUARY 28, 2025
Always verify licenses online at MyFloridaLicense.com

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LEED AP BD+C

GREEN BUSINESS CERTIFICATION INC. CERTIFIES THAT

Justin Mulhollan

HAS ATTAINED THE DESIGNATION OF

LEED AP® Building Design + Construction

by demonstrating the knowledge and understanding of green building practices and principles needed to support the use of the LEED® green building program.

10820139-AP-BD+C
CREDENTIAL ID

31 MAR 2014
ISSUED

30 MAR 2026
VALID THROUGH

PETER TEMPLETON
PRESIDENT & CEO
U.S. GREEN BUILDING COUNCIL & GREEN BUSINESS CERTIFICATION INC.

aee

The Association of Energy Engineers certifies that

Justin P. Mulhollan

has completed the prescribed standards for certification, has demonstrated a high level of competence and ethical fitness, and is hereby granted the title of

Certified Energy Manager

Valid: January 1, 2022 - December 31, 2024 | Certification ID: 22230

ASSOCIATION OF ENERGY ENGINEERS SEAL 1977

Certification Board Chair

Certification Director

Better Buildings RECOGNIZED PROGRAM

IAF

ANAB

CEM

GREEN GLOBES PROFESSIONAL

GREEN BUILDING INITIATIVE Provider #G478

THE GREEN BUILDING INITIATIVE RECOGNIZES THAT

JUSTIN MULHOLLAN

HAS ATTAINED THE DESIGNATION OF

CERTIFIED
GREEN GLOBES PROFESSIONAL

THROUGH SUCCESSFUL COMPLETION OF THE
GREEN GLOBES PROFESSIONAL TRAINING PROGRAM
AIA COURSE NUMBER: GBIGGPTNOV13
AIA APPROVED FOR 5 LU/HSW HOURS

CERTIFIED ON
MAY 17, 2014

CONTINUING EDUCATION AIA

PRESENTER
5410 SW MACADAM SUITE 150
PORTLAND OR 97239
503.274.0448
INFO@THEGBI.ORG

WELL AP™

INTERNATIONAL WELL BUILDING INSTITUTE™

WELL AP

GREEN BUSINESS CERTIFICATION INC.™ CERTIFIES THAT

JUSTIN MULHOLLAN

has attained the designation of WELL AP by demonstrating the knowledge and understanding of the interaction between health and wellness within the built environment and the implementation process for the WELL Building Standard™.

WE ARE WELL

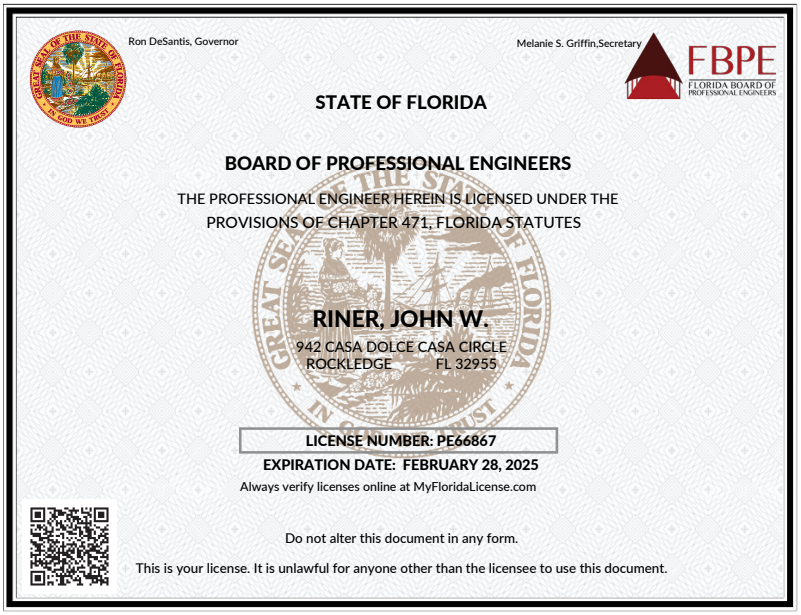
CREDENTIAL ID: WELL-AP-0000006332
ISSUED: OCT 13, 2017
VALID THROUGH: OCT 13, 2025

Rachel Gutter
CEO & President
IWBI

2101 L Street NW | Suite 500
Washington, DC 20037
WELLcertified.com

Peter Templeton
President
Green Business Certification Inc.

JOHN RINER , PE, LEED AP BD+C, LC - PROJECT MANAGER



Ron DeSantis, Governor

Melanie S. Griffin,Secretary

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STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

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

RINER, JOHN W.

942 CASA DOLCE CASA CIRCLE
ROCKLEDGE FL 32955

LICENSE NUMBER: PE66867
EXPIRATION DATE: FEBRUARY 28, 2025
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LEED AP BD+C

GREEN BUSINESS CERTIFICATION INC. CERTIFIES THAT

John Riner

HAS ATTAINED THE DESIGNATION OF

LEED AP® Building Design + Construction

by demonstrating the knowledge and understanding of
green building practices and principles needed to
support the use of the LEED® green building program.

10216572-AP-BD+C
CREDENTIAL ID

09 DEC 2009
ISSUED

06 DEC 2025
VALID THROUGH

PETER TEMPLETON
PRESIDENT & CEO
U.S. GREEN BUILDING COUNCIL & GREEN BUSINESS CERTIFICATION INC.

NCQLP
National Council on Qualifications for the Lighting Professions

NATIONAL COUNCIL ON QUALIFICATIONS FOR THE LIGHTING PROFESSIONS CERTIFIES THAT

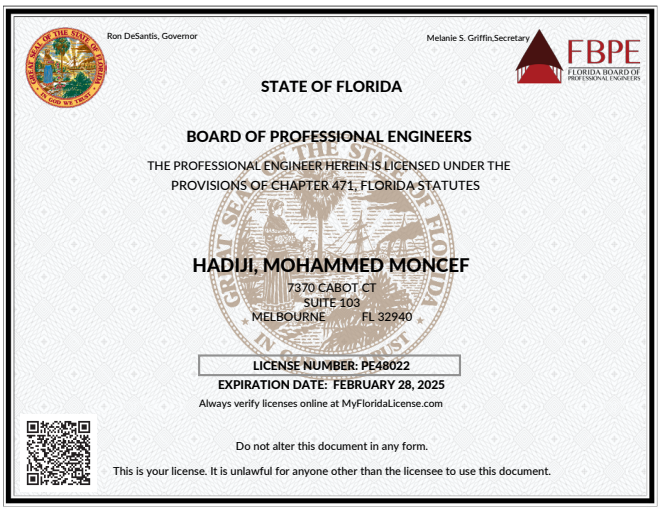
John W. Riner

Has met all the qualifications for the LC credential; demonstrating the knowledge, understanding and ability to apply lighting applications and techniques successfully.

Bernard J. Erickson, LC
NCQLP President

Certification Expiration: December 31st, 2025

MONCEF HADIJI, PE, RCDD, LEED AP BD+C, GGP



Ron DeSantis, Governor

Melanie S. Griffin,Secretary

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STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

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HADIJI, MOHAMMED MONCEF

7370 CABOT CT
SUITE 103
MELBOURNE FL 32940

LICENSE NUMBER: PE48022

EXPIRATION DATE: FEBRUARY 28, 2025

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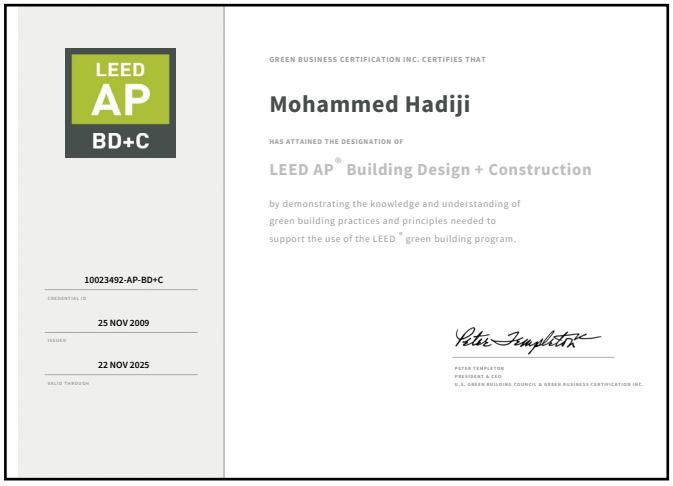


LEED AP BD+C

GREEN BUSINESS CERTIFICATION INC. CERTIFIES THAT

Mohammed Hadiji

HAS ATTAINED THE DESIGNATION OF

LEED AP® Building Design + Construction

by demonstrating the knowledge and understanding of green building practices and principles needed to support the use of the LEED ® green building program.

10023492-AP-BD+C

CREDENTIAL ID

25 NOV 2009

ISSUED

22 NOV 2025

VALID THROUGH

PETER TEMPLETON
PRESIDENT & CEO
U.S. GREEN BUILDING COUNCIL & GREEN BUSINESS CERTIFICATION INC.

GBI GREEN BUILDING INITIATIVE | GREEN GLOBES PROFESSIONAL

THE GREEN BUILDING INITIATIVE RECOGNIZES THAT

Mohammed Hadiji

HAS ATTAINED THE DESIGNATION OF

GREEN GLOBES PROFESSIONAL

THROUGH SUCCESSFUL COMPLETION OF THE GREEN GLOBES PROFESSIONAL (GGP) TRAINING PROGRAM

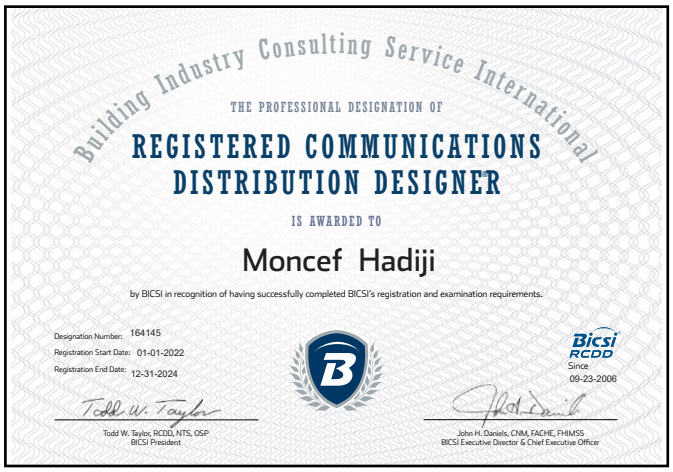
COURSE ID: GBIGGPTAUG22
CREDIT HOURS: 8 LU

VALID UNTIL
2026-06-15

Megan Baker, Presenter
Assoc. VP, Engagement
503.274.0448 x 109
megan@thegbi.org

AIA Approved Continuing Education

www.thegbi.org | 503.274.0448 | info@thegbi.org



Building Industry Consulting Service International

THE PROFESSIONAL DESIGNATION OF

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER

IS AWARDED TO

Moncef Hadiji

by BICSI in recognition of having successfully completed BICSI's registration and examination requirements.

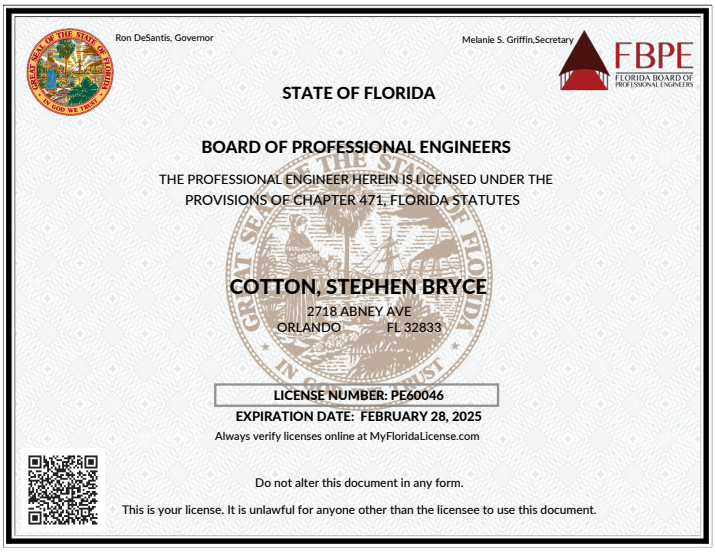
Designation Number: 164145
Registration Start Date: 01-01-2022
Registration End Date: 12-31-2024

Todd W. Taylor, RCDD, NTS, OSP
BICSI President

BICSI RCDD Since 09-23-2006

John H. Daniels, CNM, FACHE, FHIMSS
BICSI Executive Director & Chief Executive Officer

STEPHEN COTTON, PE, GGP, LC



Ron DeSantis, Governor

Melanie S. Griffin,Secretary

FBPE
FLORIDA BOARD OF PROFESSIONAL ENGINEERS

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

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

COTTON, STEPHEN BRYCE
2718 ABNEY AVE
ORLANDO FL 32833

LICENSE NUMBER: PE60046
EXPIRATION DATE: FEBRUARY 28, 2025
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GREEN GLOBES PROFESSIONAL

GREEN BUILDING INITIATIVE

THE GREEN BUILDING INITIATIVE RECOGNIZES THAT

STEPHEN COTTON

HAS ATTAINED THE DESIGNATION OF

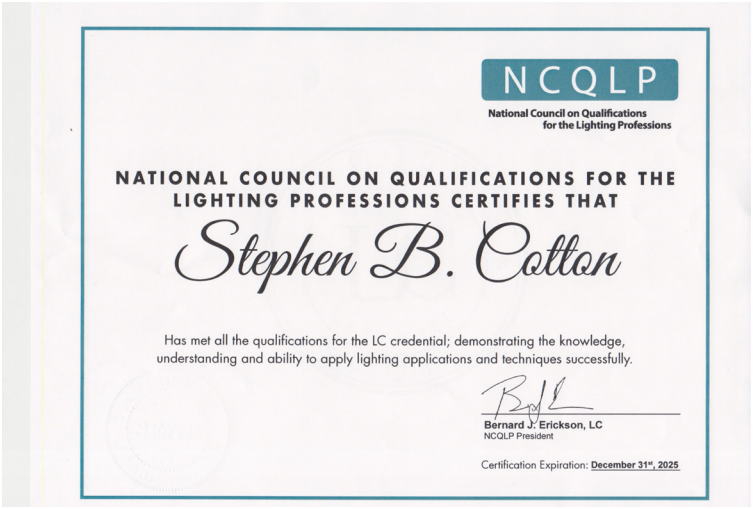
CERTIFIED
GREEN GLOBES PROFESSIONAL

THROUGH SUCCESSFUL COMPLETION OF THE
GREEN GLOBES PROFESSIONAL TRAINING PROGRAM
AIA COURSE NUMBER: GBIGGPTNOV13
AIA APPROVED FOR 5 LU/HSW HOURS

CERTIFIED ON
MAY 24, 2014

CONTINUING EDUCATION AIA

PRESENTER
5410 SW MACADAM SUITE 150
PORTLAND OR 97239
503.274.0440
INFO@THEGBI.ORG



NCQLP
National Council on Qualifications for the Lighting Professions

NATIONAL COUNCIL ON QUALIFICATIONS FOR THE LIGHTING PROFESSIONS CERTIFIES THAT

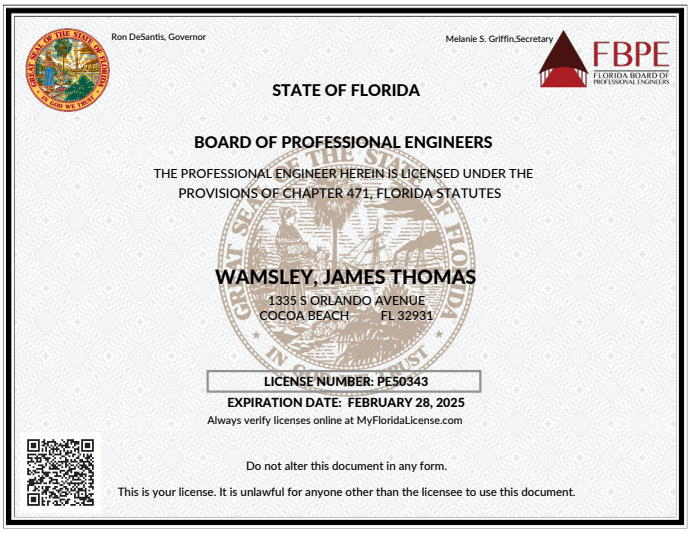
Stephen B. Cotton

Has met all the qualifications for the LC credential; demonstrating the knowledge, understanding and ability to apply lighting applications and techniques successfully.

Bernard J. Erickson, LC
NCQLP President

Certification Expiration: December 31st, 2025

JAMES WAMSLEY, PE, CXA, LEED AP BD+C



Ron DeSantis, Governor

Melanie S. Griffin,Secretary

FBPE
FLORIDA BOARD OF PROFESSIONAL ENGINEERS

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

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

WAMSLEY, JAMES THOMAS
1335 S ORLANDO AVENUE
COCOA BEACH FL 32931

LICENSE NUMBER: PE50343
EXPIRATION DATE: FEBRUARY 28, 2025
Always verify licenses online at MyFloridaLicense.com

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acg
AABC Commissioning Group

hereby certifies that

James T. Wamsley, P.E., CxA

TLC Engineering Solutions (Melbourne)

has met all prerequisites demonstrating independence and the technical, management, and communications skills required to implement the commissioning process in new and existing buildings, and passed the necessary examination to be awarded this certificate in recognition of their qualifications as an ACG

Certified Commissioning Authority

Registration number: 609-503 . This certificate, valid effective 1/1/2024 and expiring on 12/31/2024 , is renewable on an annual basis upon meeting all requirements noted in the CxA Candidate Handbook.

CERTIFIED COMMISSIONING AUTHORITY
acg AABC Commissioning Group
CxA

Better Buildings U.S. DEPARTMENT OF ENERGY
RECOGNIZED PROGRAM
MEETS U.S. DEPARTMENT OF ENERGY GUIDELINES

ANAB
ANSI National Accreditation Board
ACCREDITED
ISO/IEC 17024
PERSONNEL CERTIFICATION BODY
Program #1215

Scott A. Gordon, PE, CxA
Certification Council Chair

Ray Bert
ACG Executive Director

This certificate is the sole property of ACG and must be returned upon request.

LEED AP BD+C

GREEN BUSINESS CERTIFICATION INC. CERTIFIES THAT

James Wamsley

HAS ATTAINED THE DESIGNATION OF

LEED AP® Building Design + Construction

by demonstrating the knowledge and understanding of green building practices and principles needed to support the use of the LEED® green building program.

10559254-AP-BD+C
CREDENTIAL ID

31 DEC 2009
ISSUED

01 NOV 2024
VALID THROUGH

PETER TEMPLETON
PRESIDENT & CEO
U.S. GREEN BUILDING COUNCIL & GREEN BUSINESS CERTIFICATION INC.

BILL NANCE, RCDD, OSP


Building Industry Consulting Service International

THE PROFESSIONAL DESIGNATION OF

OUTSIDE PLANT DESIGNER

IS AWARDED TO

William A Nance

by BICSI in recognition of having successfully completed BICSI's registration and examination requirements.

Designation Number: 246248
Registration Start Date: 01-01-2024
Registration End Date: 12-31-2026

David M. Richards, RCDD, NTS, OSP, TECH, CT
BICSI Board President

BICSI OSP Since 03-29-2017

John H. Daniels, CNM, FACHE, FHIMSS
BICSI Chief Executive Officer


Building Industry Consulting Service International

THE PROFESSIONAL DESIGNATION OF

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER®

IS AWARDED TO

William A Nance

by BICSI in recognition of having successfully completed BICSI's registration and examination requirements.

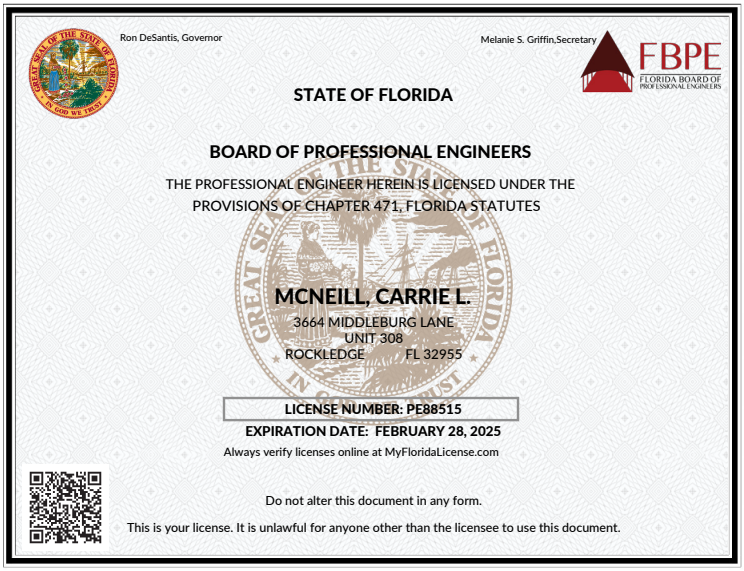
Designation Number: 246248
Registration Start Date: 01-01-2022
Registration End Date: 12-31-2024

Todd W. Taylor, RCDD, NTS, OSP
BICSI President

BICSI RCDD Since 04-29-2012

John H. Daniels, CNM, FACHE, FHIMSS
BICSI Executive Director & Chief Executive Officer

CARRIE MCNEILL, PE


Ron DeSantis, Governor

Melanie S. Griffin,Secretary

FBPE FLORIDA BOARD OF PROFESSIONAL ENGINEERS

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

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

MCNEILL, CARRIE L.
3664 MIDDLEBURG LANE
UNIT 308
ROCKLEDGE FL 32955

LICENSE NUMBER: PE88515
EXPIRATION DATE: FEBRUARY 28, 2025
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B. BRIEF FIRM HISTORY

TLC Engineering Solutions Inc., is an employee-owned firm that dates back to **1955** when two structural engineers formed a partnership and began offering their services in Orlando, Florida. Continuing to grow in staff, mechanical and electrical engineers joined our firm, thus establishing our multidisciplinary services. Our firm changed ***from a partnership to a corporation*** in 1968 and in 1981, the company reorganized as Tilden, Lobnitz & Cooper, Inc. and adopted TLC as its brand. Our firm continued to expand in staff and capabilities through organic growth and the acquisition of 12 firms creating 20 office locations across the U.S. In 2005, we became TLC Engineering for Architecture, Inc. and in 2019, TLC redefined ourselves as TLC Engineering Solutions, Inc. and our mission became to **THINK** boldly, **LISTEN** attentively, and **CREATE** passionately. Today this serves as the blueprint that guides our promise of extreme service to our clients.

In addition to designing high-performance new and renovated buildings, TLC provides services focused on the design and operation of sustainable, energy-efficient buildings, including energy audits, energy modeling, commissioning, net operating income improvements, Life Cycle Cost Analysis, and Energy/ Water Conservation Methods and Strategies.

TLC's design and production tools include Revit MEP, Revit Structural and IES VE Pro for energy modeling and design analysis. TLC has experience in coordinating models via Navisworks, leveraging third-party software to enhance efficiency while using integrated project delivery (IPD) to gain constructibility and real-time cost data. We use a variety of software programs for detailed analysis and illustration and employ virtual machines to work nearly anywhere.

TLC's commitment to sustainability has made us a leader in green building design and is supported by successful certifications – from the first LEED-certified project in Florida in 2003 to our current **500+** LEED certified projects (80+ million square feet of sustainable space). TLC is also committed to the AIA 2030 Challenge and continues to progress towards the aggressive goals embodied by this commitment.

Our advanced information technology infrastructure allows us to seamlessly integrate production needs throughout our firm. TLC utilizes Citrix Share File, a cloud-based technology system, to share large documents between TLC, owners, architects, and contractors.

69

YEARS OF ENGINEERING EXCELLENCE

Chief Executive Officer: Michael P. Sheerin, PE, LEED AP

Chief Operating Officer: James D. Ferris PE

Chief Financial Officer: Bill Daly, CPA

Vice President: Gary C. Krueger, PE, LEED AP BD+C, CM

Vice President: Matthew J. Wiechart, PE, CXA, LEED AP

TLC SERVICES

- MECHANICAL
- ELECTRICAL
- PLUMBING
- FIRE PROTECTION
- LIFE SAFETY
- STRUCTURAL
- AUDIO-VISUAL
- VOICE-DATA
- SECURITY
- LIGHTING
- ENERGY
- COMMISSIONING
- ACOUSTICS
- MASTER PLANNING
- THEATER VENUE PLANNING

ANNUAL VOLUME OF WORK OVER PAST FIVE YEARS	
2023 Annual Revenue	$107,236,022.00
2022 Annual Revenue	$94,089,549.00
2021 Annual Revenue	$70,407,863.00
2020 Annual Revenue	$69,646,315.00
2019 Annual Revenue	$69,554,949.00

C. SIMILAR PROJECT EXPERIENCE

TLC has extensive experience in providing engineering design for new and replacement generators, both large and small specifically for building types that require continuous operations during power outages — water / wastewater treatment plants, emergency operation centers, fire stations, police stations, jails, hospitals, etc. From conceptual design through systems commissioning, our engineers produce innovative designs that address energy conservation, maintenance efficiency, and environmental responsibility. TLC is well versed in the latest techniques, equipment and methodologies, codes, and systems and can offer our expertise in providing engineering services for the successful installation of a permanent diesel generator to provide backup power to the Prineville Lime Plant Water Treatment Facility .

SIMILAR EXPERIENCE

TLC also has experience in designing the requirements for any size generator. TLC also has experience in working with federal grants, including Energy Efficiency and Conservation Block, the Rebuild Florida CDBG Mitigation Critical Facility Hardening Program, and the FEMA Hazard Mitigation Grant Program (HMGP). We have completed 48+ projects involving grant programs including our current project with the City of Melbourne providing Rough Order of Magnitude for nine generators (60kW to 157kW) for eight fire stations and the City's fleet management building for the HMGP Application.

We have provided in this section five projects completed within the past five years with contact references to demonstrate our experience with projects similar in complexity and scope of this project. However to show our depth of experience, the following list of projects are similar building types that include engineering design for generators.

GENERATORS FOR CITY / COUNTY FACILITIES	
PROJECT	**GENERATOR SIZE**
Columbia County Sheriff's Detention Facility A 1250-kW natural gas powered emergency generator connected to a sub-base fuel tank provides 72 hours of run time at 100% load. There is a network of natural gas pipelines to continuously fuel the generator should power be lost.	**1250-kW**
Brevard County Traffic Management Center, Melbourne New two-story stand-alone hurricane-hardened facility accommodates the County's Traffic Management and Space Coast Transportation Planning. Facility includes state-of-the-art technology for video wall, security controls at exterior and interior secure areas, and 400 kW generator for backup power.	**400kW**

GENERATORS FOR CITY / COUNTY FACILITIES	
PROJECT	**GENERATOR SIZE**
Brevard County Government Center Building C Generator, Viera Electrical upgrades for replacing 100 kW generator with new 550 kW diesel generator with 1050-gallon fuel tank. Design included new generator pad, walls around the generator, site preparation, and new conductors and conduits.	**550 kW**
National Law Enforcement Communications Center, Orlando Two new 600 kW diesel generators were added, one located in the interior and one located on the exterior of the facility on a concrete pad with a weather/ sound enclosure. TLC verified the existing interior concrete equipment pad would accommodate the new generator, which resulted in extending the pad.	**600 kW**
City of West Palm Beach Fire Station 5 and Emergency Operations Center New two-story, three-bay fire station with integral Emergency Operations Center on the second floor complete with 911 call center, press conference room, and command center. Designed for 180 mph wind speed. All major HVAC equipment has 1+1 redundancy. The fire station and EOC has one 800kW generator.	**800kW**
Charlotte County Sheriffs District 3 Headquarters New 38,000-sf facility consists of two separate buildings: an 18,000-sf district facility and a 20,000-sf evidence facility. District facility building houses offices, interview rooms, record room, training room, armory, exercise area with lockers and showers, and ancillary support spaces such as storage and mechanical/ electrical rooms. Evidence facility building has warehouse storage, office space, processing areas, and exterior storage. Emergency generator at 800Kw provides power to the Admininistration building, the Evidence building and two chillers.	**800kW**
Cape Coral Police Department Headquarters Two 800-kW emergency generators connected in parallel provide backup power. When both generators are in use at 60% capacity, the whole facility is supported.	**800kW**
Clearwater Fire Station No. 45 The fire station also includes on-site fuel storage and a 600 kW emergency generator that can power the entire fire station during an emergency.	**600kW**
Fort Myers Fire Station and Administration Facility The facility is equipped with a 400 kW generator and on-site fuel storage to power the entire facility in the event of an emergency.	**400 kW**
City of West Palm Beach City Hall Natural Gas Generator Electrical modifications and natural gas connections for 400kW gas generator addition for installing in City Hall Garage.	**400kW**

D. PAST PROJECT EXPERIENCE

PROJECT #1

CITY OF PORT ST LUCIE
GENERATOR BUILDING B

PORT ST LUCIE, FL

TLC provided electrical design services for the interior and exterior building renovations to the City of Port St Lucie Generator Building B.

The scope of the consisted of a 1,000kW diesel generator with sub-base tank, enclosure and platform with stairs; 1600A generator distribution switchboard; 1200A service entrance enclosed circuit breaker; 1200A automatic transfer switch, 800A service entrance enclosed circuit breaker and 800A automatic transfer switch. All this equipment was part of the exterior of the building.

Renovations were required to the conduit and conductors from the generator to the generator distribution switchboard, and from the generator distribution switchboard to the new automatic transfer switches. TLC revised the FPL Transformer as required for the new automatic transfer switch. Additional the internal feeders from the main service panel to existing distribution switchboards to coordinate with the new whole building backup automatic transfer switch and removal of branch automatic transfer switches. The FPL secondary service will be intercepted to connect to the service entrance enclosed circuit breaker and automatic transfer switch ahead of the Chiller Plant main switchboard.

Concrete equipment pads shall be provided for the new generator, distribution switchboard, transfer switches (as required) and service disconnects (as required).

TLC prepared a construction plan, coordinated with Generator vendor (Kohler) and commissioned of the new generator and transfer switches.

The project was part of a FEMA grant.

OWNER

City of Port St. Lucie, Florida

CONTACT PERSON

Port St. Lucie (Owner)
Roger Jacob
E: roger.jacob@cityofpsl.com
P: 772.281.9252
Position: Facilities Director

COMPLETION DATE

Ongoing (Est. 9/2024)

KEY STAFF

- John Riner, PE, LEED AP BD+C
- Moncef Hadiji, PE, RCDD, LEED AP BD+C, GGP
- Jonathan Pokorny

SIZE

1,000 kW Generator

COST

$1.2 Million

TLC SERVICES

Electrical

PROJECT #2

BREVARD COUNTY EMERGENCY OPERATIONS CENTER

ROCKLEDGE, FL

Image Courtesy SchenkelShultz

New two-story hurricane hardened facility houses 911 intake, call center, Emergency Operations Center, and multiple agency (Sheriff and Fire) training, conference rooms, and administration offices. Facility is designed as an Enhanced Wind Storm Protection facility with a wind speed of 180 mph (3-sec gust). Two 160-ton air-cooled chillers is provided with each chiller sized to handle 100% capacity of the total cooling load (100% redundancy). Diesel engine driven generators provide emergency power. Design includes LED lighting and occupancy and vacancy sensors. Exterior LED site lighting is provided in parking and security zone areas. Large format video wall screens and multiple flat panel displays are placed around the operations room. The AV presentation system is capable of bringing audio and video feeds from multiple sources. Security cameras are located throughout and an access control system with card reader/key pads provides controlled access to the facility.

Emergency Power

The emergency power system consists of two 1000kW diesel engine driven generators. Each generator is sized to handle 100% of the building load. Therefore, all building loads are backed up by the generator (and also a redundant generator). To meet codes, Life Safety loads are served by using point of use battery backup lighting units in life safety emergency/egress lighting fixtures and at the fire alarm panel. Fuel capacity is provided for four days of power at 100% load.

UPS Power

The UPS system (along with all other building loads) is backed up by the emergency generator system. UPS system's batteries last 30 minutes at full load for each unit. The size of each UPS unit is between 150 kW and 250 kW and has the capability to expand for future EOC expansions.

OWNER

Brevard County Facilities Department, Florida

CONTACT PERSON

Brevard County Facilities Department
Kimberly Prosser
E: kimberly.prosser@brevardfl.gov
P: 321.403.6946
A: 2725 Judge Fran Jamieson Way, Bldg A, 2nd Floor Viera, FL, 32940
Position: Brevard County Emergency Management Director

COMPLETION DATE

2024

KEY STAFF

- Justin Mulhollan, PE, LEED AP BD+C, CEM, GGP, WELL AP
- Moncef Hadiji, PE, RCDD, LEED AP BD+C, GGP
- Stephen Cotton, PE, GGP, LC
- Bill Nance, RCDD, OSP
- James Wamsley, PE, CxA, LEED AP BD+C
- Carrie Mcneill PE
- Jonathan Pokorny

SIZE

1000kW

40,000 square feet

COST

$14 Million

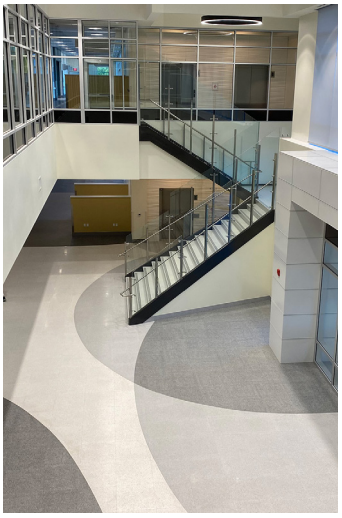
TLC SERVICES

Electrical, Mechanical, Plumbing, Structural

PROJECT #3

US DEPARTMENT OF VETERANS AFFAIRS COMMUNITY BASED OUTPATIENT CLINIC

NEW PORT RICHEY, FL



Port Richey's new outpatient clinic consolidates health care services currently offered in five locations into one state-of-the-art facility to meet the needs of veterans and their families in the West Pasco County area. The two-story facility will provide services for Primary Care, Mental Health, Eye, Dental, Home Based Primary Care, MRI, CT, Ultrasound, X-ray, Audiology, USP 797 Pharmacy, Prosthetics, Physical Therapy, Lab (Phlebotomy), and social work services.

Several structural systems were vigorously evaluated to determine the design approach that would cost-effectively meet the VA's building performance criteria, resulting in the selection of a structural steel superstructure.

Outside air for ventilation requirements is provided through the rooftop package units. HVAC equipment is controlled with BACnet DDC control devices that are integrated, via data network cabling, into the building's Engineering Control Center.

The electrical service consists of a new utility-provided pad-mounted transformer. The emergency electrical distribution system includes one 1,500 kW (1,875 kVA), 277/480V, 3ph, 4W diesel-fueled engine generator set.

The networked digital lighting control system uses vacancy sensors that provide both energy savings and easy user configurations by cost-effectively integrating time-based, daylight-based, sensor-based, and manual lighting control schemes. The non-life safety lighting is designed with automatic lighting controls to turn off all lighting during unoccupied hours. Exterior LED lighting complies with energy requirements and the requirements of local outdoor lighting codes.

OWNER

United States Department of Veterans Affairs ASAO 8

CONTACT PERSON

SASD Development Group, LLC
Steven Doctor
E: Csdoctor01@gmail.com
P: 619.220.4161
A: 4895 Pacific Highway, San Diego, California, 92110
Position: Contractor

COMPLETION DATE

2022

KEY STAFF

- Moncef Hadiji, PE, RCDD, LEED AP BD+C, GGP
- Bill Nance, RCDD, OSP
- James Wamsley, PE, CxA, LEED AP BD+C

SIZE

1,500 kW diesel

157,500 square feet

COST

$113 Million

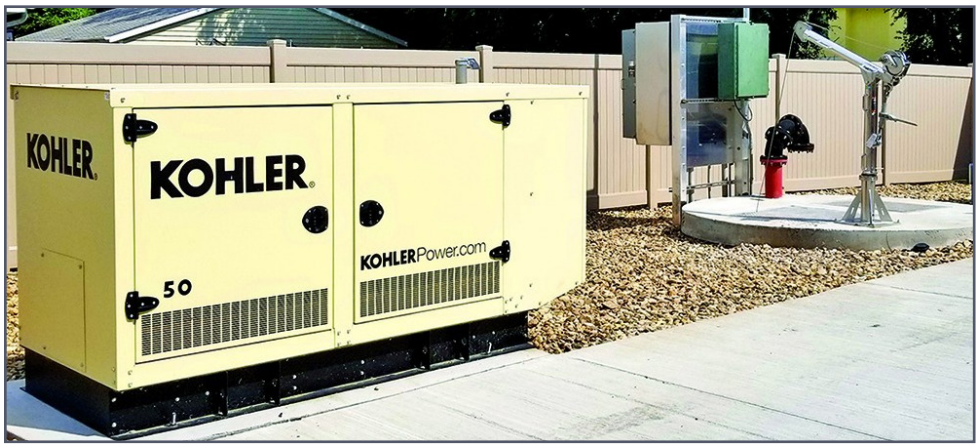
TLC SERVICES

Electrical, Mechanical, Plumbing, Structural

PROJECT #4

BREVARD COUNTY GENERATOR REPLACEMENTS

BREVARD COUNTY, FL



Projects involved designing electrical service, load calculations, short circuit analysis, pump control panels, transfer/disconnect switches, conduits, and generator connections. Recent projects include:

Brevard County Space Coast Area Transit Generator Replacement
Electrical design for 100 kW replacement generator and underground generator feeder. Structural design included a new 8" concrete generator equipment pad, chain link fence, sidewalk, and bollards. $120,200 / 2022 / Electrical / Structural

Brevard County Sykes Creek WWTP Generator Replacement
Performed site investigation and designed replacement generators and upgraded electrical infrastructure consisting of two 750KW generators, cables, and paralleling switchgear. $2.1 million / 2020 / Electrical

Brevard County Port St John WWTP CMU Structure
Replaced small metal building with a CMU (11 x 17 x 9 high) building used in water treatment process and houses a large compressor. Building includes a single slope roof, wood truss / rafter with asphalt shingle roof; a 6068 double steel door; thermostat controlled exhaust fan; and new window A/C unit. $250,000 / 187 sf / Electrical / Mechanical

Brevard County Traffic Management Center
The new two-story includes a video wall, security controls, and a 400 kW generator for backup power. $9 million / 20,000 sf / 2023 / MEP / Fire Protection / Audio-Visual / Voice-Data / Security

Brevard County Fire Station 49
New fire station includes three bays, bunk room, kitchen, dining, exercise and training room and interior back-up generator. $2.4 million / 9,000 sf / 2021 / Electrical

Brevard County Mosquito Control Hangar and Biology Lab
Structure is hurricane hardened and includes backup generator for continued operations. Designed in compliance with Environmental, Safety and Maintenance of Traffic (MOT) Plans and FAA. $2.5 million / 15,000 sf / 2021 / MEP

OWNER

Brevard County Facilities Department

CONTACT PERSON

Brevard County Facilities Department
Michael McGrew
E: mike.mcgrew@brevardfl.gov
P: 321.633.2050
A: 2725 Judge Fran Jamieson Way, Bldg A, 2nd Floor, Viera, Florida, 32940
Position: Owner

COMPLETION DATE

2023

KEY STAFF

- Justin Mulhollan, PE, LEED AP BD+C, CEM, GGP, WELL AP
- John Riner, PE, LEED AP BD+C
- Moncef Hadiji, PE, RCDD, LEED AP BD+C, GGP
- Stephen Cotton, PE, GGP, LC
- Bill Nance, RCDD, OSP
- James Wamsley, PE, CxA, LEED AP BD+C
- Carrie Mcneill PE
- Jonathan Pokorny

SIZE

See projects to the left

COST

See projects to the left

TLC SERVICES

Electrical, Mechanical, Structural

PROJECT #5

CITY OF DELAND UTILITIES ADMINISTRATION FACILITY

DELAND, FL

The new administration facility accommodates all city utility staff with private offices and serves as the Operations Control Center. The two-story building is designed as a critical (hardened) facility and includes a 500kW backup generator to maintain operations during power outages. Support spaces include multiple conference rooms, a collaboration room, training rooms, men's and women's shower/locker rooms, a stress/fitness room, laundry, a full kitchen, and a dining room with seating for 50. A complete direct digital control (DDC) system ties into the City's main control system.

All interior light fixtures are LED lighting controlled by on/off and dimming wall switches, ceiling-mounted occupancy/vacancy sensors, and daylight sensors.

Emergency power is provided by a 500 kW generator. Generator is diesel fuel, engine driven, radiator cooled, with weather enclosure and belly fuel tank. Fuel tank provides seven days (168 hours) run time at 75% load.

An electronic access control system at exterior doors provides secure areas within the facility. The system consists of card readers, keypads, door controllers, raceway, and cabling, and includes network connectivity.

OWNER

City of Deland, FL

CONTACT PERSON

SchenkelShultz
Johnnie Lohrum (JL2 Architecture)
E: jlohrum@jl2architecture.com
P: 407.340.2879
A: 1678 Kingston Road
Longwood, FL
Position: Architect

COMPLETION DATE

Ongoing (Est. 2024)

KEY STAFF

- Moncef Hadiji, PE, RCDD, LEED AP BD+C, GGP
- Bill Nance, RCDD, OSP
- Carrie Mcneill PE
- Jonathan Pokorny

SIZE

500 kW diesel

24,500 square feet

COST

$7 million

TLC SERVICES

Electrical, Mechanical, Plumbing, Security, Voice - Data

E. SUB-CONSULTANT QUALIFICATIONS

TLC Engineering Solutions will **not** be submitting any sub-consultants for the City of Port St. Lucie (RFP No. 20240039): Professional Design Services for a New Diesel Generator proposal. We will provide all engineering services from our in-house staff for the services outlined in the RFP Scope of Work.

F. REFERENCES FOR PROJECTS

Project #1: City of Port St Lucie Generator Building B | Port St Lucie, FL

Contact Name: Roger Jacob
Email: roger.jacob@cityofpsl.com
Phone: 772.281.9252
Position: Port St. Lucie, Facilities Director

Project #2: Brevard County Emergency Operations Center | Rockledge, FL

Contact Name: Kimberly Prosser
Email: kimberly.prosser@brevardfl.gov
Phone: 321.403.6946
Position: Brevard County Facilities Department, Brevard County Emergency Management Director

Project #3: US Department of Veterans Affairs, Community Based Outpatient Clinic | New Port Richey, FL

Contact Name: Steven Doctor
Email: Csdoctor01@gmail.com
Phone: 619.220.4161
Position: SASD Development Group, Contractor

Project #4: Brevard County, Generator Replacements | Brevard County, FL

Contact Name: Michael McGrew
Email: mike.mcgrew@brevardfl.gov
Phone: 321.633.2050
Position: Brevard County Facilities Department, Owner

Project #5: City of Deland Utilities Administration Facility | Deland, FL

Contact Name: Johnnie Lohrum
Email: jlohrum@jl2architecture.com
Phone: 407.340.2879
Position: JL2 Architecture (formerly with SchenkelShultz), Architect

TAB 2

PERSONNEL & EXPERIENCE AND KNOWLEDGE

TAB 2 - PERSONNEL & EXPERIENCE AND KNOWLEDGE

JUSTIN P. MULHOLLAN, PE, LEED AP BD+C, CEM, GGP, WELL AP

TLC Regional Director | Project Principal in Charge | Senior Mechanical Engineer

BACKGROUND

Justin is a registered professional engineer with engineering expertise in sustainable design and energy conservation. As Principal in Charge and Point of Contact for this contract, Justin will oversee all aspects of the project from contract negotiations to resource allocations. Justin will use his engineering judgment, project experience, project management skills, and dedicated focus on client service to ensure the project is successfully managed, developed, and coordinated from pre-design through construction.

EXPERIENCE

Brevard County Emergency Operations Center, Rockledge, Florida
New two-story hurricane hardened facility houses 911 intake, call center, and multiple agency (Sheriff and Fire) training, conference rooms and administration offices. Two 1000kW diesel engine driven generators each carry 100% of the building load with fuel for 96 hours. $14 million / 40,000 sf

DeLand Fire Station 81 and Evidence Storage Building, DeLand, Florida
New 14,000-sf fire station includes two diesel engine generators, 275kW for the fire station and 100kW for the evidence storage building, with 72-hour diesel tanks that provide 100% of each building load. An Automatic Transfer Switch is installed to transfer the building loads to the generator. $5 million / 16,500 sf

Brevard County Fire Station 49, Viera, Florida
New fire station includes three bays, bunk room, kitchen, dining, exercise and training room and interior back-up generator. $2.4 million / 9,000 sf

Brevard County Mosquito Control Hangar and Biology Lab, Titusville, Florida
Structure is hurricane hardened and includes backup generator for continued operations. Designed in compliance with Environmental, Safety and Maintenance of Traffic (MOT) Plans and FAA. $2.5 million / 15,000 sf

Canaveral Port Authority Cruise Terminal 1, Port Canaveral, Florida
New two-story terminal can process the largest cruise ships in the world, with passenger and crew counts well over 6,000. The terminal is serviced by a 4000A utility service with a 2.25MW diesel generator for backup power of the entire facility. 2015, ABC Central Florida Chapter, Excellence in Construction, Eagle Award, Interior Category. $50.5 million / 188,514 sf

C4 Advanced Tactical Systems Facility. Orlando, Florida
The new facility includes five Class 10,000 clean rooms and highly specialized electrical power needs in the assembly area. To meet C4's ability to meet aggressive contracted delivery schedules, much of the facility equipment, including thermal chambers/testers, included the backup power generator sizing, in addition to typical emergency power. $10 million / 60,000 sf

PROJECT ASSIGNMENT

Project Principal in Charge
Senior Mechanical Engineer

EDUCATION

Pennsylvania State University
B.S., Bachelor in Architectural Engineering (BAE)
2006

Pennsylvania State University
M.S., Master of Architectural Engineering (MAE)
2006

YEARS OF EXPERIENCE

TLC: 11 years

Total: 18 years

REGISTRATIONS

PE FL 71647

CERTIFICATIONS

WELL AP, IWBI

Certified Energy Manager, AEE

GGP, Green Building Initiative

LEED AP BD+C, GBCI

PROFESSIONAL AFFILIATIONS

ASHRAE, Member

AEE, Member

USGBC, Member

JOHN RINER, PE, LEED AP BD+C

TLC Principal | Project Manager | Senior Electrical Engineer

BACKGROUND

John is a senior engineer with expertise in design of electrical power and lighting systems for hospitality and entertainment projects. For the last 15 years, John has provided his electrical design expertise on theme park projects ranging from minor restaurant upgrades and egress lighting studies to code/condition surveys and new attractions and lands. He has extensive coordination experience with ride and show groups and park-wide systems. John focuses on energy efficient design, reliability, and flexibility with an emphasis on life safety.

EXPERIENCE

City of Port St Lucie Generator Building B, Port St. Lucie, Florida
Design services for new diesel generator and Automatic transfer switch for City of Port St Lucie government complex, Building B. $1.2 million

Brevard County Emergency Operations Center, Rockledge, Florida
New two-story hurricane hardened facility houses 911 intake, call center, and multiple agency (Sheriff and Fire) training, conference rooms and administration offices. Two 1000kW diesel engine driven generators each carry 100% of the building load with fuel for 96 hours. $14 million / 40,000 sf

Toho Water Authority Administrative Complex, Kissimmee, Florida
Four-story administrative complex includes an integrated hardened emergency operations center to oversee District Water resources during emergency events. The electrical design included 250-kW generator to support the EOC and a 100-KVA uninterruptable power supply for the main information technology hub. Concrete Construction/Concrete Producer Magazines' 2011 GreenSite Project of the Year Municipal Category. Signs of the Times International, 2011 Electric Monument Sign. Associated Builders and Contractors Central Florida Chapter, 2011 Award of Merit. Certified LEED NC 2.2 Gold. $11.7 million / 55,000 sf

Brevard County Fire Station 49, Viera, Florida
New fire station includes three bays, bunk room, kitchen, dining, exercise and training room and interior back-up generator. $2.4 million / 9,000 sf

Canaveral Port Authority Cruise Terminal 1, Port Canaveral, Florida
New two-story terminal can process the largest cruise ships in the world, with passenger and crew counts well over 6,000. The terminal is serviced by a 4000A utility service with a 2.25MW diesel generator for backup power of the entire facility. 2015, ABC Central Florida Chapter, Excellence in Construction, Eagle Award, Interior Category. $50.5 million / 188,514 sf

City of Gainesville Police Department Headquarters, Gainesville, Florida
Design-build delivery for new, two-story building including renovations to existing training center. The diesel standby generator with a 72-hour capacity tank provides HVAC, power and lighting to critical areas of the building. Certified LEED NC 2009 Silver. $11.6 million / 67,800 sf

PROJECT ASSIGNMENT

Project Manager
Electrical Engineer of Record

EDUCATION

University of North Carolina
M.B.A., Business Administration
2001

Illinois Institute of Technology
B.S., Electrical Engineering
1993

YEARS OF EXPERIENCE

TLC: 16 years

Total: 22 years

REGISTRATIONS

PE FL 66867

CERTIFICATIONS

LEED AP BD+C, GBCI

PROFESSIONAL AFFILIATIONS

Institute of Electrical and Electronics Engineers (IEEE), Member

MONCEF HADIJI, PE, RCDD, LEED AP BD+C, GGP

TLC Prinicipal | Senior Electrical Engineer

BACKGROUND

Moncef serves as a Principal at TLC and Senior Electrical Engineer responsible for coordinating and implementing electrical and telecommunication system design in concert with other design disciplines, supervising the electrical design team, and providing Quality Control and Quality Assurance. Moncef has over 30 years of experience in designing specialty lighting, power distribution systems, emergency generators, uninterrupted power supplies, automatic transfer switches, lightning suppression, surge arresters, and communications-technology systems for fire alarm, paging and public address, voice-data, audio-visual, and security/access control. As a LEED Accredited Professional, Moncef is familiar with sustainable design and its high impact on energy efficiency.

EXPERIENCE

City of Port St Lucie Generator Building B, Port St. Lucie, Florida
Design services for new diesel generator and Automatic transfer switch for City of Port St Lucie government complex, Building B. $1.2 million

Toho Water Authority Administrative Complex, Kissimmee, Florida
The electrical design included 250-kW generator to support the EOC and a 100-KVA uninterruptable power supply for the main information technology hub. Concrete Construction/Concrete Producer Magazines' 2011 GreenSite Project of the Year Municipal Category. Signs of the Times International, 2011 Electric Monument Sign. Associated Builders and Contractors Central Florida Chapter, 2011 Award of Merit. Certified LEED NC 2.2 Gold. $11.7 million / 55,000 sf

Brevard County Sykes Creek WWTP Generator Replacement
Performed site investigation and designed replacement generators and upgraded electrical infrastructure consisting of two 750KW generators, cables, and paralleling switchgear. $2.1 million / 2020 / Electrical

Orange City Water Plant Modifications, Orange City, Florida
Design replacement of 150kW generator with a 400kW Genset with diesel tank. Services included new transfer switch, new lightning protection system, replacing electrical distribution equipment, and providing an arc-flash study. $200,000

City of Deland Utilities Administration Facility, Deland, Florida
The two-story building is designed as a critical (hardened) facility and includes a 500kW backup generator to maintain operations during power outages. Emergency power is provided by a 500 kW generator. Generator is diesel fuel, engine driven, radiator cooled, with weather enclosure and belly fuel tank. Fuel tank provides seven days (168 hours) run time at 75% load. $7 million / 24,000 sf

PROJECT ASSIGNMENT

Senior Electrical Engineer

EDUCATION

Wichita State University
M.S., Electrical Engineering
1988

Wichita State University
B.S., Electrical Engineering
1986

YEARS OF EXPERIENCE

TLC: 17 years

Prior: 16 years

REGISTRATIONS

PE FL 48022

CERTIFICATIONS

GGP, Green Building Initiative

LEED AP BD+C, GBCI (10023492)

Registered Communications Distribution Designer RCDD, BICSI (164145)

PROFESSIONAL AFFILIATIONS

BICSI, Member

International Association of Electrical Inspectors, Central Florida Division, Member

STEPHEN B. COTTON, PE, GGP, LC

TLC Senior Associate | Senior Electrical Engineer

BACKGROUND

Stephen has 27 years of experience in electrical engineering analysis and design for power distribution, lighting, control, circuiting, and communications. He is experienced in electrical systems design review and field observation of construction activities, as well as testing of electrical systems including emergency generators and automatic transfer switches. He is skilled in sustainable lighting strategies and solutions, including LED and photovoltaics, as well as energy-saving lighting control panels, and sequences of operation integrated with daylighting systems.

EXPERIENCE

Brevard County Emergency Operations Center, Rockledge, Florida
New two-story hurricane hardened facility houses 911 intake, call center, and multiple agency (Sheriff and Fire) training, conference rooms and administration offices. Two 1000kW diesel engine driven generators each carry 100% of the building load with fuel for 96 hours. $14 million / 40,000 sf

Toho Water Authority Administrative Complex, Kissimmee, Florida
Four-story administrative complex includes an integrated hardened emergency operations center to oversee District Water resources during emergency events. The electrical design included 250-kW generator to support the EOC and a 100-KVA uninterruptable power supply for the main information technology hub. Concrete Construction/Concrete Producer Magazines' 2011 GreenSite Project of the Year Municipal Category. Signs of the Times International, 2011 Electric Monument Sign. Associated Builders and Contractors Central Florida Chapter, 2011 Award of Merit. Certified LEED NC 2.2 Gold. $11.7 million / 55,000 sf

DeLand Fire Station 81 and Evidence Storage Building, DeLand, Florida
New 14,000-sf fire station includes two diesel engine generators, 275kW for the fire station and 100kW for the evidence storage building, with 72-hour diesel tanks that provide 100% of each building load. An Automatic Transfer Switch is installed to transfer the building loads to the generator. $5 million / 16,500 sf

Brevard County Mosquito Control Hangar and Biology Lab, Titusville, Florida
Structure is hurricane hardened and includes backup generator for continued operations. Designed in compliance with Environmental, Safety and Maintenance of Traffic (MOT) Plans and FAA. $2.5 million / 15,000 sf

City of Cocoa Beach Police Headquarters, Cocoa Beach, Florida
Facility includes a 300kW generator and fuel tank sit on a hurricane-rated elevated platform above potential storm surge levels and will handle 100% of the building load for 72 hours during power outages. 2022, DBIA Florida, Best Overall Design-Build Project of the Year. $8.5 million / 23,237 sf

PROJECT ASSIGNMENT

Senior Electrical Engineer

EDUCATION

Florida Institute of Technology
B.S., Engineering
1992

YEARS OF EXPERIENCE

TLC: 22 years

Prior: 7 years

REGISTRATIONS

PE FL 60046

CERTIFICATIONS

GGP, Green Building Initiative

LC, NCQLP

PROFESSIONAL AFFILIATIONS

IES, Member

IAEI, Member

BILL A. NANCE, RCDD, OSP

TLC Principal | Electrical Design: Technology-Communications Specialist

BACKGROUND

Bill Nance has over 27 years of experience and knowledge in technology design, consulting, and project management. Specializing in communication technology, he holds the Registered Communications Distribution Designer (RCDD) credential and BICSI specialty credential of Outside Plant Designer (OSP). His project experience involves a range of client types designing Structured Cabling Systems, Data Networking, Voice Systems, Audio / Visual, Intrusion Detection, Access Control, and Surveillance systems. As OSP, Bill has the skills and experience to plan, develop, and oversee outside plant projects including modifications of existing facilities.

EXPERIENCE

Brevard County Emergency Operations Center, Rockledge, Florida
New two-story hurricane hardened facility houses 911 intake, call center, and multiple agency (Sheriff and Fire) training, conference rooms and administration offices. Two 1000kW diesel engine driven generators each carry 100% of the building load with fuel for 96 hours. $14 million / 40,000 sf

City of Cocoa Beach Police Headquarters, Cocoa Beach, Florida
Facility includes a 300kW generator and fuel tank sit on a hurricane-rated elevated platform above potential storm surge levels and will handle 100% of the building load for 72 hours during power outages. 2022, DBIA Florida, Best Overall Design-Build Project of the Year. $8.5 million / 23,237 sf

DeLand Fire Station 81 and Evidence Storage Building, DeLand, Florida
New 14,000-sf fire station includes two diesel engine generators, 275kW for the fire station and 100kW for the evidence storage building, with 72-hour diesel tanks that provide 100% of each building load. An Automatic Transfer Switch is installed to transfer the building loads to the generator. $5 million / 16,500 sf

US Department of Veterans Affairs, VA Community Based Outpatient Clinic, New Port Richey, Florida
New two-story outpatient clinic with operating rooms, exam rooms, labs, mental health services, USP 797 pharmacy, offices, and workstation areas. The emergency electrical distribution system includes one 1,500 kW (1,875 kVA), 277/480V, 3ph, 4W diesel-fueled engine generator set. Certified 2022 One Green Globe. $113 million / 157,500 sf

City of Deland Utilities Administration Facility, Deland, Florida
The two-story building is designed as a critical (hardened) facility and includes a 500kW backup generator to maintain operations during power outages. Emergency power is provided by a 500 kW generator. Generator is diesel fuel, engine driven, radiator cooled, with weather enclosure and belly fuel tank. Fuel tank provides seven days (168 hours) run time at 75% load. $7 million / 24,000 sf

PROJECT ASSIGNMENT

Electrical Design: Technology-Communications Specialist

EDUCATION

Marion Technical College
A.S., Electrical and Electronics Engineering
1996

YEARS OF EXPERIENCE

TLC: 5 years

Prior: 22 years

CERTIFICATIONS

Registered Communications Distribution Designer (RCDD), BICSI

Outside Plant Designer (OSP), BICSI

PROFESSIONAL AFFILIATIONS

Illuminating Engineering Society, Member

Building Industry Consulting Service International, Member

JAMES WAMSLEY, PE, CXA, LEED AP BD+C

TLC Principal | Senior Mehcanical Engineer

BACKGROUND

Jim has more than 35 years of experience in project management and mechanical engineering design with a focus on high-performance buildings. Jim is very successful in managing large, multi-disciplined projects within budget and on schedule for various building types such as hotels, condominiums, and hospitality facilities. He is particularly skilled in design integrations for themed environments. He has extensive experience in the design of complex HVAC systems, with special emphasis on energy conservation, smoke management and removal systems, and system noise control in critical environments. A LEED accredited professional, Jim is knowledgeable of sustainable design practices and can provide designs for sustainable buildings, including projected returns on initial investment.

EXPERIENCE

Brevard County Emergency Operations Center, Rockledge, Florida
New two-story hurricane hardened facility houses 911 intake, call center, and multiple agency (Sheriff and Fire) training, conference rooms and administration offices. Two 1000kW diesel engine driven generators each carry 100% of the building load with fuel for 96 hours. $14 million / 40,000 sf

City of Cocoa Beach Police Headquarters, Cocoa Beach, Florida
Facility includes a 300kW generator and fuel tank sit on a hurricane-rated elevated platform above potential storm surge levels and will handle 100% of the building load for 72 hours during power outages. 2022, DBIA Florida, Best Overall Design-Build Project of the Year. $8.5 million / 23,237 sf

DeLand Fire Station 81 and Evidence Storage Building, DeLand, Florida
New 14,000-sf fire station includes two diesel engine generators, 275kW for the fire station and 100kW for the evidence storage building, with 72-hour diesel tanks that provide 100% of each building load. An Automatic Transfer Switch is installed to transfer the building loads to the generator. $5 million / 16,500 sf

New Port Richey VA Community Based Outpatient Clinic
New two-story outpatient clinic includes a 1,500 kW (1,875 kVA), 277/480V, 3ph, 4W diesel-fueled engine generator set. Certified One Green Globe.
$113 million / 157,500 sf

Brevard County Port St John WWTP CMU Structure, Port St. John, Florida
Replaced small metal building with a CMU (11 x 17 x 9 high) building used in water treatment process and houses a large compressor. Added foundation around the perimeter of the existing slab to support perimeter CMU walls. Building includes a single slope roof, wood truss / rafter with asphalt shingle roof; a 6068 double steel door; thermostat controlled exhaust fan; and new window A/C unit. $250,000 / 187 sf

PROJECT ASSIGNMENT

Senior Mechanical Engineer

EDUCATION

University of Pennsylvania
B.S., Mechanical Engineering
1989

YEARS OF EXPERIENCE

TLC: 20 years

Prior: 14 years

CERTIFICATIONS

PE FL 50343

PROFESSIONAL AFFILIATIONS

SAME, Member

AEE, Member

USGBC, Member

ACG, Member

E. ORGANIZATIONAL CHART

TLC has assigned the staff shown on the organization chart below to this contract. Our Project Manager will be supported by a talented group of engineers and designers that have extensive project experience that will aid in the efficient and expedient design. All selected team members have an in-depth knowledge of performing assessment needs and conducting existing condition surveys in order to define scope and costs for the project.

City of Port St. Lucie

TLC PRINCIPAL-IN-CHARGE

Justin Mulhollan, PE, LEED AP BD+C, CEM, GGP, WELL AP

TLC Regional Director
Sr. Mechanical Engineer

PROJECT MANAGER
SENIOR ELECTRICAL ENGINEER

John Riner, PE, LEED AP BD+C

Senior Electrical Engineer

ASSIGNED ELECTRICAL ENGINEER/DESIGNERS

ASSIGNED MECHANICAL ENGINEER

Moncef Hadiji, PE, RCDD, LEED AP BD+C, GGP
Senior Electrical Engineer

Stephen Cotton, PE
Senior Electrical Engineer - Quality Control

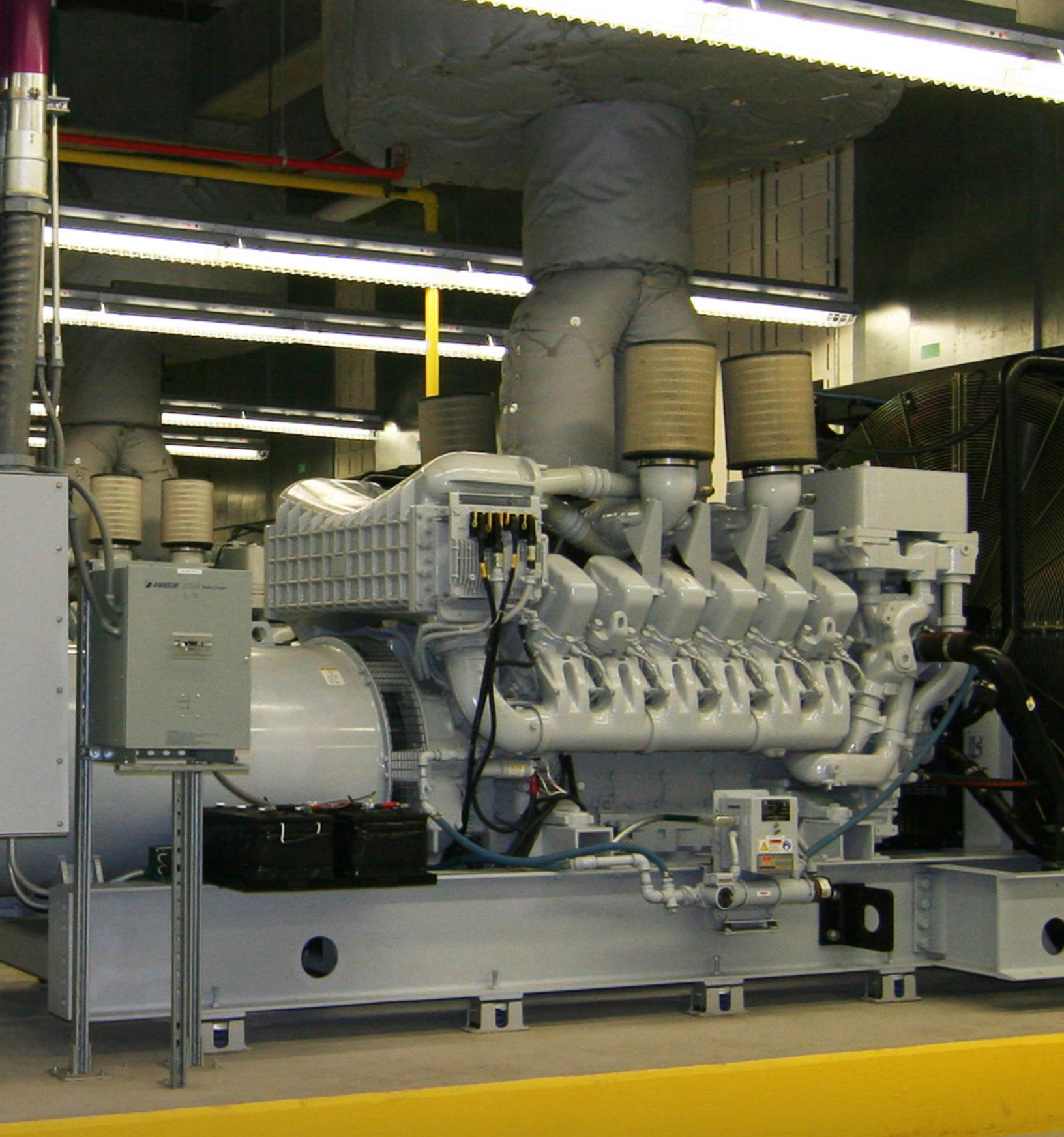
James Wamsley, PE, CxA, LEED AP BD+C
Senior Mechanical Engineer

Bill Nance, RCDD, OSP
Electrical/Technology - Design

Carrie Mcneill PE
Electrical Engineer - Design

Jonathan Pokorny
Electrical Engineer - Design

Dylan Sauro
Electrical-CADD Technician



TAB 3

METHODOLOGY AND APPROACH

TAB 3 - METHODOLOGY / APPROACH

TLC's technical approach and methods for this project have been developed based on extensive prior experience with similar projects and City facilities. TLC understands the importance of maintaining 24/7 operations of critical facilities to maintain operations during power outages. We also understand that location and high wind rated enclosures are critical to protect the generators from damaging winds.

Our Team uses an integrated design approach, focused on a thorough schematic design process to fully assess existing conditions, project priorities, life cycle cost considerations, and options to allow the design team and the City of Port St. Lucie to make informed decisions early in the design process. We will use the following approach to develop and analyze design alternatives:

PROJECT MANAGEMENT PROCESS

John Riner, PE, will serve as the Project Manager for this project. John will be responsible for project coordination, budgeting, and scheduling. With over 20 years of engineering experience, John offers broad and diverse electrical design expertise with a particular focus on mission critical redundant power systems.

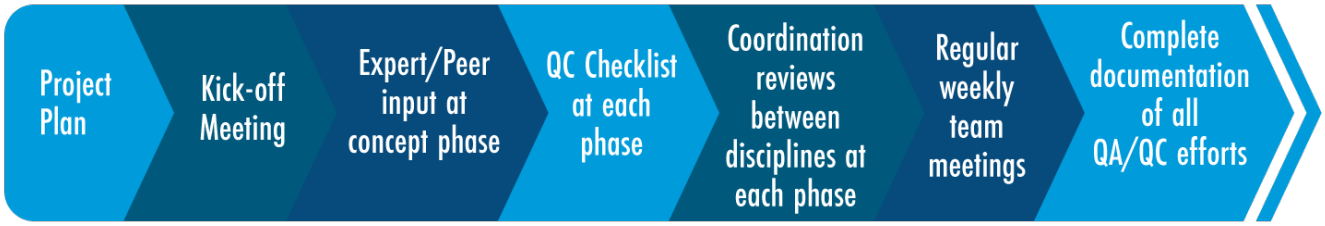
John will lead the team in a kick-off meeting held with the City of Port St. Lucie project representatives to set the communication processes, define project goals, issues and priorities, and to review the schedule and critical milestone dates. During the team orientation meeting, he will review the project scope and required services, design standards, project deliverables for the contract, the assignment of documentation responsibilities, and the chain of communication and distribution of information between project team members.

Pictured above is of a recent 2024 ***City of Port St Lucie, Generator Building B*** *replacement. The project 's electrical design was for a 1,000 kW generator and underground feeder. John plays a key role for the success of this project.*

John will be supported by a talented group of electrical engineers and designers that have a wide range of project experience that will aid in the efficient and expedient design of the City's new generator for Prinevile Lime Water Plant.

John will utilize powerful project management tools which allows careful monitoring of project specialty and staffing requirements. ***All project deadlines are updated weekly, with daily notification as required to keep design teams aware of project priorities. Staffing requirements are tracked on a 6 month "look ahead" basis to all TLC managers to anticipate project requirements and implement additional resources if necessary.*** Our strategy for executing projects includes these proactive principles and processes:

- We are **fully computerized to produce the work and communicate electronically** with all members of the design team and City of Port St. Lucie. TLC's design and production tools include Revit MEP, Revit Structural and IES VE Pro for energy modeling and design analysis. TLC utilizes MicroSoft 360, a cloud-based technology system, for sharing large documents, between TLC, owners, architects, and contractors. Additionally, iPads issued to project managers and technical staff allow ready access to project documents in the field.
- We publish and distribute a project execution and delivery schedule at the start of the project. We **clearly define interim and final project deliverables and expectations** to ensure that all team members understand their responsibilities for producing complete design products and documentation.
- We recognize the importance of maintaining a consistent design team for continuity and efficiency and TLC is **committed to maintaining the same design team for the duration of this project.** Our policy is to utilize the same staff involved in the design development during the construction administration phase of the project, as those individuals are most familiar and prepared to address any issues during the design phase and are best positioned to absorb any "lessons learned."



Proper project planning methods follow through construction administration to project closeout. TLC ensures conformance with quality standards.

PROJECT KICK-OFF MEETING

Our process starts with a kick-off meeting / planning session attended by all project stakeholders including City of Port St. Lucie, facility users, maintenance staff, as well as members of the design and construction team, if available. TLC's project manager facilitates and documents the discussion exploring all potential design options. Port St. Lucie project representatives will be given the opportunity to offer their opinions regarding project priorities and objectives. In addition to the initial planning session, follow-up meetings and/or interviews are often conducted with facility users or maintenance personnel familiar with the building systems or operations of the facilities. TLC provides the meeting agenda, attendance sheet, and meeting minutes.

DESIGN PROJECT

PRELIMINARY DESIGN

TLC's design process follows a proven standardized process incorporating City of Port St. Lucie requirements, involving development, submittal, and review of several design submittal, including:

Schematic Phase–Data Collection/Field Investigation: This initial phase involves collection of design data and field investigation and evaluation of existing facility on-site conditions. This phase will also consider code and required standards requirements including: National Electric Code (NEC) and National Electric Safety Code (NESC), NFPA Codes and Standards, OSHA Rules and regulations, Florida Building Code, Life Safety Code (NFPA 101), Standard for Emergency and Standby Power Systems (NFPA 110), and applicable local and state codes and regulations.

Basis of Design: Our project will be driven by the development of a detailed basis of design (BOD) document, which will serve as the primary guideline for project scope, priorities and requirements, and provide confirmation and documentation of design direction.

The document will include design data for the Fire Rescue Stations (FRS) and Emergency Medical Stations (EMS) outlined in the RFQ including size of the proposed generator, existing power loading and other materials and equipment installation as applicable, such as transformers, automatic transfer switches (ATS) and panel, and any required site improvements for the concrete pad and enclosure. TLC will develop a list of generators and their design requirements including capacity, wattage, model, etc. and submit to the City of Port St. Lucie for review, comment, and determination of preferred systems. TLC will develop preliminary design concepts and equipment location.

TLC will provide detailed advice regarding pros and cons of each generator to allow the City of Port St. Lucie to make an informed decision regarding the adequate size of the generator to support the critical facility. Long lead design and permitting issues are identified and presented for resolution. Field investigation and verification of existing conditions is recognized as a key task during this phase to confirm design approaches.

DESIGN DEVELOPMENT / DOCUMENT PHASES

As the planning and Schematic Design transitions into Design Development, a meeting will be held with the City of Port St. Lucie. During this meeting, we would also review the design standards and project deliverables for each subsequent phase including design submittals. TLC's design team will meet with Port St. Lucie stakeholders following each design submittal to discuss review comments to confirm understanding and agreement on proposed resolution. Formal design review meeting minutes will be issued documenting points of discussion, action items, and proposed disposition of review comments.

The design of all systems will be based on the City of Port St. Lucie's selections and decisions as determined during the schematic phase. Our design, bid, and construction documents will incorporate Port St. Lucie design standards and applicable federal, state, and local rules and regulations including FEMA Hazard Mitigation Grant Program (HMGP). TLC will also list any variations from Code of Federal Regulations (CFR) and Specifications Manual and document that the variations are accepted by the City of Port St. Lucie. Specifications will also be included at each design submittal.

TLC will develop cost estimates and submit with each project deliverable (schematic, design development, and construction document phases) during the design process to allow adjustment as required.

Engineer's Opinion of Probable Construction Cost. We utilize cost estimating spreadsheets to complete costs for all portions of work by using Means Database, our project experience in Central Florida and the City of Port St. Lucie area, and discussions with select contractors and subcontractors, which allow us to elicit "real-time" cost estimates that reflect current market conditions. If there is more than 10% variance in our estimate at the 60% design deliverable, we will advise the City of Port St. Lucie of the difference in cost so that an agreement can be reached on design changes to reduce construction costs to an acceptable level. Our staff understands the importance of accurate cost estimating and has the necessary experience in producing detailed cost estimates and cost summaries.

Permitting. TLC will provide signed and sealed drawings for the contractor to obtain the required building permits.

Bid Phase. TLC performs construction bid phase services including providing bid documents as required by the City, attending pre-bid meeting, address questions by prospective bidders, reviewing / evaluating bids for completeness and accuracy, and contract award recommendation.

CONSTRUCTION ADMINISTRATION

Careful monitoring of projects while in construction is essential to the project's overall success. **Our approach to this phase of the project is comprehensive in that we continue to involve our key designers in the project – including field inspections.** This continuity provides faster responses and better understanding of the historical reasons why the design decisions were made. TLC's activities during this phase include:

- Attendance and involvement at **pre-construction** and **construction progress meetings.**
- **Shop drawing submittal** reviews and responses.
- Conduct site visits and issue reports noting defective work, deficiencies, concerns, and areas requiring correction to ensure **conformance with Contract Documents.**
- Review contractor's **application for payment.**
- Logging, tracking and delivering responses to **Requests for Information.** Depending on complexity and priority, RFI's are evaluated, prepared and returned to the contractor within two to five days.
- Review **Change Orders.** Depending on complexity and priority, TLC evaluates, prepares, and submits the CO within three to ten days.
- Perform site visit for **startup testing** and **substantial completion** inspections and issue reports.
- **Final Project Close-out**:
  - Perform a final site visit / inspection
  - Review and approve contractor's final application for payment
  - Confirm that the work has been completed pursuant to the City's General Conditions
  - Review contractor's as-built drawing markups and prepare record drawings
  - Receive, review and respond to Operation and Maintenance Manuals

Once all goals, objectives, and deliverables have been met, TLC completes our Post-Construction Evaluation form, which is designed to solicit feedback from project

team members and other stakeholders to derive best practices and formulate lessons learned.

QUALITY ASSURANCE / QUALITY CONTROL

TLC's QA/QC process starts with proper project planning and continues through construction administration and eventually to project closeout. Our QC Team includes active participation of principals and senior engineering staff throughout the course of the project. Each design discipline is headed by a key member of the firm to ensure quality and completeness of all phases of the work. In-house coordination meetings are conducted weekly to discuss technical developments, coordinate design among disciplines, and to monitor schedules.

Peer reviews will be conducted by senior engineers not assigned to the team to provide additional oversight into system selections and compel the designer to qualify why certain design decisions were made. Final peer review of documents is employed to verify coordination and completeness.

The final review, which is conducted by the Project Manager, will verify that all documents have been checked according to TLC's QA/QC Process and have been implemented on the project.

PROJECT SCHEDULE

Establishing schedules that reflect a realistic time frame for the sequential interaction of the City of Port St. Lucie, the project team, and external review agencies is key to meeting project milestones and final schedule goals. We understand the importance of including Port St. Lucie in the scheduling process since the City will assume a major role in the decision-making and review process. Our Team will continually keep the City informed of the impact of decision-making, scope adjustments, and design reviews on the project schedule.

FAST TRACK APPROACH

Projects occasionally have hard construction deadlines, and the Design – Bid – Build traditional approach is not compatible with the project timeline requirements. Federal Grant projects such as this one fall into this category. The approach TLC and the City of Port St. Lucie utilized in the Generator Replacement at Building B was to direct purchase the long lead equipment (generator, transfer switches, distribution panel and disconnects) using the Sourcewell contract vehicle before soliciting for a contractor. The Sourcewell was previously competitively bid and therefore only required City Council approval. This saved months off the traditional bidding process. TLC would propose the same approach on this project, as generators of this size can take over a year to procure in the current market conditions. TLC would work with the Sourcewell vendor to locate a generator that has already been built and is in storage in lieu of building a generator from scratch. The schedule for this approach would be along these lines:

- 1-2 days: Project Kickoff
- 1-2 weeks: Site investigation, preparation of schematic design with long lead equipment identified and specified
- 4-6 weeks: City approval of PO from Sourcewell vendor and completion of construction documents for bidding
- 4-6 weeks: Obtain bids from contractors, select bid and City approval of Contractor's bid.
- 2-3 months: Install temporary generator, perform site work and preparation for equipment delivery
- 3-4 months: Installation of equipment, start-up, inspection, commissioning and project closeout
- Resulting in a potential completion in under one year.

TAB 4

CERTIFIED MINORITY BUSINESS ENTERPRISE

TAB 4 – CERTIFIED MINORITY BUSINESS ENTERPRISE

TLC ENGINEERING SOLUTIONS INC., IS NOT A MINORITY BUSINESS ENTERPRISE.

TAB 5

ADDITIONAL REQUIRED PROPOSAL SUBMITTAL FORMS

TAB 5 – ADDITIONAL REQUIRED PROPOSAL SUBMITTAL FORMS

CONSULTANT'S GENERAL INFORMATION WORK SHEET
E-RFP #20240039

It is understood and agreed that the following information is to be used by the City to determine the qualifications of prospective Consultant to perform the work required. The Consultant waives any claim against the City that might arise with respect to any decision concerning the qualifications of the Consultant.

The undersigned attests to the truth and accuracy of all statements made on this questionnaire. Also, the undersigned hereby authorizes any public official, Engineer, Surety, bank, material or equipment manufacturer, or distributor, or any person, firm or corporation to furnish the City any pertinent information requested by the City deemed necessary to verify the information on this questionnaire.

Dated at TLC Engineering Solutions, Inc., this 30 day of April, 2023
(Location)

Name of Organization/Consultant: TLC Engineering Solutions, Inc.

By: Justin Mulhollan, Regional Director
Name and Title

1. Corporation, Partnership, Joint Venture, Individual or other? Corporation

2. Firm's name and main office address, telephone, and fax numbers

Name: TLC Engineering Solutions, Inc.
Address: 7370 Cabot Court, Suite 103, Melbourne, Florida 32940

Telephone Number: 321.636.0274
Fax Number: 321.639.8986

3. Contact person: Justin Mulhollan Email: Justin.Mulhollan@tlc-eng.com

4. Firm's previous names (if any). _____

5. **ADDENDUM ACKNOWLEDGMENT** - Bidder acknowledges that the following addenda have been received and are included in its proposal/bid:

Addendum Number	Date Issued	Addendum Number	Date Issued
#1	4/18/24		
#2	5/1/24		

6. List any lawsuits pending or completed within the past five (5) years involving the corporation, partnership or individuals with more than ten percent (10 %) interest:

See Attachment

(N/A is not an acceptable answer - insert lines if needed)

7. List any judgments from lawsuits in the last five (5) years:

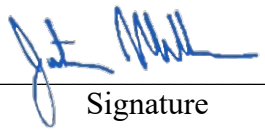
See Attachment

(N/A is not an acceptable answer - insert lines if needed)

8. List any criminal violations and/or convictions of the Proposer and/or any of its principals:

TLC Engineering Solutions has never been involved in any criminal violations or convictions in the full history of the company.

(N/A is not an acceptable answer - insert lines if needed)



Signature

Regional Director

Title

6. List any lawsuits pending or completed within the past five (5) years involving the corporation with more than ten percent (10%) interest:

7. List any judgments from lawsuits in the last five (5) years:

TLC Engineering Solutions, Inc. is a national engineering firm with 68+ years of successfully completed projects. That large volume of projects, as well as the many jurisdictions where we provide services subjects us to periodic claims and litigations, the majority of which involve the entire design team, regardless of our performance. None of our past or current claims have impacted our financial stability or our ability to provide quality services. A summary of our claims/litigation in the past five years follows. Should additional information be required, please contact us.

Pending:
Doseum, San Antonio, TX / Bexar County Court. 2019-CI-29995 Parties: Doseum vs Contractor, Architect, and TLC / Status: Open

Rocky Point Autograph Hotel / Florida 13th Judicial Circuit 20-CA-007051 Parties: Rocky Point Holdings v. Architects, TLC / Status: Open

Glenpoint Associates LLC / Bergen County BER-L-005581 / Parties: Glenpoint Associates, LLC v Manufacturer, Contractor & Subcontractors, Distributer, and TLC Status: Open

Dr. Phillips Performing Arts Center - Phase 2 Orange County 9th Judicial Circuit 2022-CA-07732-O Parties: Whiting Turner v. Subcontractors, Subcontractor Insurance, Architects (TLC is Third Party Defendant) Status: Open

Closed:
Federation Senior Living, Palm Beach, FL / 15th Judicial Circuit Florida. 50-2017-CA-007936
Parties: Federation CCRC Operations Corp vs Contractor, Architect, and TLC (Third Party) Status: Settled 2023

Brickell City Center Condominium, Miami, FL / 11th Judicial Circuit Florida. 2021-001706-CA-01
Parties: Brickell City Center v Over 70 Defendants incl TLC Status: Settled 2023

EJ Healy Senior Living, Palm Beach, FL / 15th Judicial Circuit Florida. 50-2017-CA-003123
Parties: Health Care District of Palm Beach Count v. Contractor, Architect, and TLC / Status: Settled 2022

3200 S Ocean Condominium / FL 15th District Court / 2020-CA-006984 Parties: 3200 Seagate LLC v. over 15 defendants /Status: Settled 2021

WPN Property Holdings / Wells Pharmacy, Gainesville, FL / 5th Judicial Circuit Florida. 2017-CA-000928-AX
Parties: WPN Property Holdings vs Contractor, Architect, and TLC / Status: Settled 2020

Moorings Park Senior Living, Naples, Florida / 20th Judicial Circuit FL. 2017-CA-1914
Parties: Suffolk Construction vs Page Mechanical / Cause/Status: Settled 2020

736 First Street Residence, Miami, FL / 11th District Court / 2015-CA-029220
Parties: First Street Development, LLC v Architect & Design team Status: Settled 2020

MidBlock Miami Condo, Miami, FL / 11th Judicial Circuit Florida. 2018-012860-CA-01 / Parties: Midblock Miami Condo Assoc. v. Over 20 defendants / Status: Settled 2019

Paramount Bay Condo, Miami, FL / 11th Judicial Circuit Florida. 2015-011061-CA-01 / Parties: Paramount Bay Condo. Assoc. v. Developer, Contractor and Design team Status: Settled 2019

Terra Beachside Condos, Miami Beach, FL / 11th Judicial District Florida 2015-017400-CA-01 / Parties: Terra Beachside Condominium Association, Inc. v. Developer, Contractor, and TLC / Status: Settled 2019

Leon County Educ. Authority, Tallahassee, FL / 2nd Judicial District Florida 2014 CA 389 / Parties: Leon County Educational Fac. v Contractor, Architects and TLC Status: Settled 2018

Toscana Bay Condo, Miami, FL / 11th Judicial District Florida. 2015-021747-CA-01
Parties: Toscano Condominium Assoc. v. Contractor & Architect (TLC was 3rd Party) Status: Dropped 2018

Villa Verde Condo Association, Cocoa Beach, FL / 18th Judicial Circuit Florida, 05-2014-CA-025592
Parties: Ville Verde v. Contractor and Design team Status: Settled 2018

NOTICE TO ALL PROPOSERS

To ensure fair consideration is given for all Proposers, it must be clearly understood that upon release of the proposal and during the proposal process, firms and their employees of related companies as well as paid or unpaid personnel acting on their behalf shall not contact or participate in any type of contact with City employees, department heads or elected officials, up to and including the Mayor and City Council. The "Cone of Silence" is in effect for this solicitation from the date the solicitation is advertised on DemandStar, until the time an award decision has been approved by City Council and fully executed by all parties. Information about the Cone of Silence can be found under the City of Port St. Lucie Ordinance 20-15, Section 35.13. Contact with anyone other than the Issuing Officer may result in the vendor being disqualified. All contact must be coordinated through ***Mr Keith Stewart,*** *Issuing Officer, for the procurement of these services.*

All questions regarding this Solicitation are to be submitted in writing to Keith Stewart , Procurement Manager with the Procurement Management Department via e-mail kstewart@cityofpsl.com, *or by phone* 772-344-4068. *Please reference the Solicitation number on all correspondence to the City.*

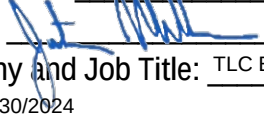
All questions, comments and requests for clarification must reference the Solicitation number on all correspondence to the City. Any oral communications shall be considered unofficial and non-binding.

Only written responses to written communication shall be considered official and binding upon the City. The City reserves the right, at its sole discretion, to determine appropriate and adequate responses to the written comments, questions, and requests for clarification.

**NOTE: All addends and/or any other correspondence before bid close date (general information, question and responses) to this solicitation will be made available exclusively through the DemandStar's Website for retrieval. All notice of intent to award documentation will be published on the City Clerk's Website. Proposers are solely responsible for frequently checking these websites for updates to this solicitation.*

I understand and shall fully comply with all requirements of City of Port. St. Lucie Ordinance 20-15, Section 35.13.

Typed Name: Justin Mulhollan, PE

Signed: 

Company and Job Title: TLC Engineering Solutions, Inc., Regional Director

Date: 4/30/2024

e-BID #20240039
CONTRACTOR'S CODE OF ETHICS

The City of Port St Lucie ("City), through its Procurement Management Department ("Procurement Management Department") is committed to a procurement process that fosters fair and open competition, is conducted under the highest ethical standards and enjoys the complete confidence of the public. To achieve these purposes, Procurement Management Department requires each vendor who seeks to do business with the City to subscribe to this Contractor's Code of Ethics.

- A Contractor's bid or proposal will be competitive, consistent and appropriate to the bid documents.
- A Contractor will not discuss or consult with other Vendors intending to bid on the same contract or similar City contract for the purpose of limiting competition. A Vendor will not make any attempt to induce any individual or entity to submit or not submit a bid or proposal.
- Contractor will not disclose the terms of its bids or proposal, directly or indirectly, to any other competing Vendor prior to the bid or proposal closing date.
- Contractor will completely perform any contract awarded to it at the contracted price pursuant to the terms set forth in the contract.
- Contractor will submit timely, accurate and appropriate invoices for goods and/or services actually performed under the contract.
- Contractor will not offer or give any gift, item or service of value, directly or indirectly, to a City employee, City official, employee family member or other vendor contracted by the City.
- Contractor will not cause, influence or attempt to cause or influence, any City employee or City Official, which might tend to impair his/her objectivity or independence of judgment; or to use, or attempt to use, his/her official position to secure any unwarranted privileges or advantages for that Vendor or for any other person.
- Contractor will disclose to the City any direct or indirect personal interests a City employee or City official holds as it relates to a Vendor contracted by the City.
- Contractor must comply with all applicable laws, codes or regulations of the countries, states and localities in which they operate. This includes, but is not limited to, laws and regulations relating to environmental,

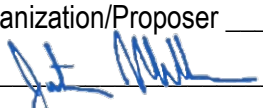
occupational health and safety, and labor practices. In addition, Contractor must require their suppliers (including temporary labor agencies) to do the same. Contractor must conform their practices to any published standards for their industry. Compliance with laws, regulations and practices include, but are not limited to the following:

- Obtaining and maintaining all required environmental permits. Further, Contractor will endeavor to minimize natural resource consumption through conservation, recycling and substitution methods.

- Providing workers with a safe working environment, which includes identifying and evaluating workplace risks and establishing processes for which employee can report health and safety incidents, as well as providing adequate safety training.

- Providing workers with an environment free of discrimination, harassment and abuse, which includes establishing a written antidiscrimination and anti-bullying/harassment policy, as well as clearly noticed policies pertaining to forced labor, child labor, wage and hours, and freedom of association.

Name of Organization/Proposer TLC Engineering Solutions, Inc.

Signature 

Printed Name and Title Justin Mulhollan, PE, Regional Director

Date 4/30/2024

DISCLAIMER: This Code of Ethics is intended as a reference and procedural guide to contractors. The information it contains should not be interpreted to supersede any law or regulation, nor does it supersede the applicable contractor contract. In the case of any discrepancies between it and the law, regulation(s) and/or contractor contract, the law, regulatory provision(s) and/or vendor contract shall prevail.

PORT ST. LUCIE
HEART OF THE TREASURE COAST

E-Verify Form

Supplier/Consultant acknowledges and agrees to the following:

1. Shall utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the Supplier/Consultant during the term of the contract; and
2. Shall expressly require any subcontractors performing work or providing services pursuant to the state contract to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term.
3. The Contractor hereby represents that it is in compliance with the requirements of Sections 448.09 and 448.095, Florida Statutes. The Contractor further represents that it will remain in compliance with the requirements of Sections 448.09 and 448.095 Florida Statutes, during the term of this contract and all attributed renewals.
4. The Contractor hereby warrants that it has not had a contract terminated by a public employer for violating Section 448.095, Florida Statutes, within the year preceding the effective date of this contract. If the Contractor has a contract terminated by a public employer for any such violation during the term of this contract, it must provide immediate notice thereof to the City.

E-Verify Company Identification Number 2070661

Date of Authorization April 30, 2024

Name of Contractor Justin Mulhollan

Name of Project City of Port St. Lucie NEW DIESEL GENERATOR AT PRINEVILLE LIME PLANT WATER TREATMENT FACILITY

Solicitation Number (If Applicable) 20240039

I hereby declare under penalty of perjury that the foregoing is true and correct.

Executed on April, 30, 20 24 in Melbourne (city), FL (state).

Signature of Authorized Officer

Justin Mulhollan PE, Regional Director
Printed Name and Title of Authorized Officer or Agent

SUBSCRIBED AND SWORN BEFORE ME

ON THIS THE 30 DAY OF April, 20 24.

NOTARY PUBLIC

My Commission Expires: 4/19/2027

KATIE JACOB
Notary Public
State of Florida
Comm# HH388795
Expires 4/19/2027

NON-COLLUSION AFFIDAVIT
EBID#20240039
Professional Design Services for a New Diesel Generator at Prinveville Water Treatment Facility

State of Florida }

County of Brevard }

Justin Mulhollan, being first duly sworn, disposes and says that:
(Name/s)

1. They are Regional Director of TLC Engineering Solutions Inc. the Proposer that
(Title) (Name of Company)

has submitted the attached PROPOSAL;

2. He is fully informed respecting the preparation and contents of the attached proposal and of all pertinent circumstances respecting such PROPOSAL;

3. Such Proposal is genuine and is not a collusive or sham Proposal;

4. Neither the said Proposer nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly with any other Proposer, firm or person to submit a collusive or sham Proposal in connection with the contract for which the attached proposal has been submitted or to refrain from proposing in connection with such Contract or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Proposer, firm or person to fix the price or prices in the attached Proposal or of any other Proposer, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the City of Port St. Lucie or any person interested in the proposed Contract; and

5. The price or prices quoted in the attached Proposal are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Proposer or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

(Signed) _____

(Title) Regional Director

PORT ST. LUCIE
HEART OF THE TREASURE COAST

STATE OF FLORIDA }
COUNTY OF ST. LUCIE} SS:

The foregoing instrument was acknowledged before me this *(Date)* 4/30/24

by: Justin Mulhollan who is personally known to me or who has produced

_____ as identification and who did (did not) take an oath.

Commission No. HH388795

Notary Print: Katie Jacob

Notary Signature: [signature]

FLORIDA NOTARY ASSOCIATION • SINCE 1978 •

KATIE JACOB
Notary Public
State of Florida
Comm# HH388795
Expires 4/19/2027

DRUG-FREE WORKPLACE FORM

The undersigned vendor in accordance with Florida Statute 287.087 hereby certifies that

TLC Engineering Solutions, 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.

Bidder's Signature

4/30/2024

Date

VENDOR CERTIFICATION REGARDING SCRUTINIZED COMPANIES' LISTS

Vendor Name:	TLC Engineering Solutions Inc.
Vendor FEIN:	59-1228645
Authorized Representative's Name:	Justin Mulhollan
Authorized Representative's Title:	Regional Director
Address:	7370 Cabot Court, Suite 103
City, State and Zip Code:	Melbourne, Florida 32940
Phone Number:	321.636.0274
Email Address:	Justin.Mulhollan@tlc-eng.com

Sections 287.135 and 215.473, Florida Statutes, prohibit Florida municipalities from contracting with companies, for goods or services over $1,000,000 that are on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or to engage in any Business operations with Cuba or Syria. Sections 287.135 and 215.4725 also prohibit Florida municipalities from contracting with companies, for goods or services in any amount that are on the list of Scrutinized Companies that Boycott Israel.

The list of "Scrutinized Companies" is created pursuant to Section 215.473, Florida Statutes. A copy of the current list of "Scrutinized Companies" can be found at the following link: https://www.sbafla.com/fsb/FundsWeManage/FRSPensionPlan/GlobalGovernanceMandates/QuarterlyReports.aspx

As the person authorized to sign on behalf of the Respondent Vendor, I hereby certify that the company identified above in the section entitled "Respondent Vendor Name" is not listed on either the Scrutinized Companies with Activities in Sudan List; or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List; is not participating in a boycott of Israel; and does not have any business operations with Cuba or Syria. I understand that pursuant to Sections 287.135 and 215.473, Florida Statutes, the submission of a false certification may subject the Respondent Vendor to civil penalties, attorney's fees, and/or costs.

I understand and agree that the City may immediately terminate any contract resulting from this solicitation upon written notice if the company referenced above are found to have submitted a false certification or any of the following occur with respect to the company or a related entity: (i) for any contract for goods or services in any amount of monies, it has been placed on the Scrutinized Companies that Boycott Israel List, or is engaged in a boycott of Israel, or (ii) for any contract for goods or services of one million dollars ($1,000,000) or more, it has been placed on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or it is found to have been engaged in business operations in Cuba or Syria.

Authorized Signature

Justin Mulhollan

Print Name

Signature

TRUTH-IN-NEGOTIATION CERTIFICATE AND AFFIDAVIT

STATE OF FLORIDA §
COUNTY OF ST. LUCIE §

Before me, the undersigned authority, personally appeared affiant Justin Mulhollan, who being first duly sworn, deposes and says:

1. That the undersigned firm is furnishing this Truth in Negotiation Certificate pursuant to Section 287.055(5)(a) of the Florida Statutes for the undersigned firm to receive an agreement for professional services with the City of Port St. Lucie, St. Lucie County, Florida.

2. That the undersigned firm is a corporation which engages in furnishing professional engineering services and is entering into an agreement with the City of Port St. Lucie, St. Lucie County, Florida to provide professional services for a project known as Professional Design Services for a New Emergency Generator at Building B, Contract #20230108.

3. That the undersigned firm has furnished the City of Port St. Lucie, St. Lucie County, Florida a detailed analysis of the cost of the professional services required for the project.

4. That the wage rate information and other factual unit cost, which the undersigned firm furnished, were accurate, complete and current at the time the undersigned firm and the City of Port St. Lucie entered into the agreement for professional services on the project.

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5. That the agreement which the undersigned firm and the City of Port St. Lucie entered into on this job contained a provision that the original agreement price and any additions thereto shall be adjusted to include any significant sums by which the City of Port St. Lucie determines the agreement price was increased due to inaccurate, incomplete or non-current wage rates or other factual unit cost and that all such agreement adjustments shall be made within one (1) year following the end of the agreement.

FURTHER AFFIANT SAYETH NAUGHT

TLC Engineering Solutions Inc.
Name of Firm

By: _____ President

The foregoing instrument was acknowledged before me by Justin Mulhollan who has produced _____ as identification or is personally known to me.

WITNESS my hand and official seal in the Stare of County last aforesaid this 30 day of April, 2024.

(SEAL)

_____
Signature

Katie Jacob
Notary Name (typed or printed)

TLC Marketing Coordinator
Title or Rank

KATIE JACOB
Notary Public
State of Florida
Comm# HH388795
Expires 4/19/2027

Sample Self-Certification

The undersigned acknowledges that the Build America, Buy America Act (BABA) requires that NEH will not provide federal financial assistance for "infrastructure" projects "unless all of the iron, steel, manufactured products, and construction materials used in the project are produced in the United States" (Section 70914 of Public Law No. 117-58, §§ 70901-52). The undersigned certifies that for the _____ (Project Name and Location) that the iron, steel, manufactured products, and construction materials used in this contract are in full compliance with BABA requirements, including:

All iron and steel used in the project were produced in the United States. This means all manufacturing processes, from the initial melting stage through the application of coatings, occurred in the United States.

All manufactured products purchased with NEH financial assistance were produced in the United States. For a manufactured product to be considered produced in the United States, the cost of the components of the manufactured product that are mined, produced, or manufactured in the United States is greater than 55% of the total cost of all components of the manufactured product, unless another standard for determining the minimum amount of domestic content of the manufactured product has been established under applicable law or regulation.

All construction materials were manufactured in the United States. This means that all manufacturing processes for the construction material occurred in the United States.

The Contractor or Subcontractor, TLC Engineering Solutions Inc, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor or Subcontractor understands and agrees that the provisions of 31 U.S.C. Chap. 38, Administrative Remedies for False Claims and Statements, apply to this certification and disclosure, if any.

_____ Signature of Contractor or Subcontractor's Authorized Official

Justin Mulhollan Name and Title of Contractor or Subcontractor's Authorized Official

4/30/24 Date

TLC ENGINEERING SOLUTIONS®

THINK. LISTEN. CREATE.®

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