



Pace Electric, Inc.
402 Bif Court
Orlando, Florida 32809
December 2, 2024

Proposal for Jade Storm Pump Station Standby Generator – City of Belle Isle, FL

RFP #2024-06

Executive Summary

Pace Electric, Inc. is honored to present this comprehensive proposal for the procurement and installation of an 80kW standby generator system tailored specifically for the Jade Storm Pump Station in Belle Isle, FL. This state-of-the-art generator system is meticulously designed to power two pumps simultaneously, ensuring the lift station operates seamlessly during power outages or emergencies.

Our proposed solution integrates advanced technology and robust engineering to deliver an unparalleled combination of reliability, efficiency, and performance. The Generac 80kW standby generator, coupled with a 200 Amp Service Rated Automatic Transfer Switch, embodies cutting-edge innovation and durability, making it an ideal choice for critical infrastructure like the Jade Storm Pump Station.

Key features of the generator include a turbo-charged 4.5-liter engine built for efficiency and durability, True Power Technology to ensure utility-grade power safe for sensitive electronics, and Mobile Link Connectivity for remote system monitoring and alerts. Additionally, the system is equipped with Generac's proprietary Quiet-Test Mode, which allows for low-speed diagnostics to ensure constant readiness. The ATS, designed for seamless and automatic power transitions, is housed in a durable Nema 3R enclosure rated for both indoor and outdoor use. These features collectively ensure robust performance in even the most demanding operational conditions.

At Pace Electric, Inc., we understand the essential role of dependable power solutions in maintaining public services and infrastructure. By leveraging our extensive expertise in generator installations and a commitment to excellence, we aim to provide the City of Belle Isle with a solution that not only meets but exceeds operational and safety requirements. Our team's attention to detail and unwavering focus on quality ensures that this project will deliver value and peace of mind for years to come.

Company Overview

Pace Electric, Inc., a trusted electrical contractor based in Orlando, FL, brings over 30 years of industry expertise to every project. Our dedication to excellence has earned us a reputation for delivering high-quality electrical solutions tailored to our clients' unique needs. As a certified Generac Installer, we specialize in providing reliable, long-lasting power solutions. From initial consultation to project completion, we pride ourselves on maintaining open communication, adhering to strict safety standards, and delivering exceptional customer service. Our commitment to innovation and quality ensures that every project is executed with precision and professionalism.

Project Details

Generator Details: 80kW 60 Hz Generac Standby Generator

- Power Capacity: Designed to run two pumps simultaneously.
- Electrical Specifications: Capable of 277 / 480 V, 3 Phase Wye (4 Wire).
- Fuel Type: LPG (Propane).
- Automatic Transfer Switch (ATS): Included, 200 Amp Service Rated, 3 Phase 277/480V, Nema 3R.
- Cooling System: Liquid-cooled.
- Sound Emissions: 68 dB at 23 feet.
- Warranty: 5 years on generator and installation.
- Certification: UL listed.
- Build Location: Made in the USA (Wisconsin).

Additional Generator Features:

- Engine: Turbo-charged, aftercooled inline 4-cylinder 4.5-liter engine with hydraulic lifters and a gear-driven oil pump.
- Power Quality: True Power Technology ensures utility-grade power with less than 5% THD.
- Control System: Generac Digital Evolution Controller with multilingual LCD display for monitoring, diagnostics, and maintenance tracking.
- Quiet-Test Mode: Programmable low-speed self-test mode for weekly, bi-weekly, or monthly diagnostics.
- Connectivity: Mobile Link Connectivity for remote monitoring of generator status and alerts.
- Durability: Steel frame with a corrosion-resistant Rhino-Coat Powder-coated aluminum cabinet.

Automatic Transfer Switch (ATS) Details:

- Enclosure: Nema 3R aluminum enclosure with electrostatically applied powder coating (indoor/outdoor rated).
- Features: UL 1008 certified, silver composite contacts for durability, integrated deadfront for safety, and UL 489 listed Service Disconnects.
- Warranty: Covered by a 5-year limited warranty.

Installation Scope:

The installation process for the 80kW generator system at the Jade Storm Pump Station includes the following detailed steps:

1. Site Preparation:

- Assessment of the installation site to ensure compliance with local codes and safety regulations.
- Preparation of the area for mounting the generator and associated equipment, including leveling and clearing as necessary.

2. Electrical Modifications:

- Replacement of the main disconnect, upgrading from a fused disconnect to a main circuit breaker to enhance safety and reliability.
- Installation of a 200 Amp Service Rated Automatic Transfer Switch (ATS), ensuring seamless transition between utility and generator power.

3. Generator Installation:

- Placement and securing of the Generac 80kW standby generator at the designated location.
- Verification of connection of the generator to the propane fuel system (excluding propane tank and permits).

4. System Integration:

- Wiring and connection of the generator to the lift station's electrical system.
- Configuration and integration of remote monitoring capabilities (available as an optional add-on).

5. Testing and Startup:

- Comprehensive testing of the generator and ATS to ensure functionality and compliance with operational standards.
- On-site system startup, including load testing and verification of all connections.

6. Project Completion:

- Final inspection to confirm adherence to all codes and requirements.

- Detailed walkthrough with City of Belle Isle representatives to ensure understanding of operation and maintenance procedures.

This comprehensive installation process guarantees a seamless and reliable backup power solution tailored to the operational needs of the Jade Storm Pump Station.

- Replacement of the main disconnect, upgrading from a fused disconnect to a main circuit breaker.
- Complete installation by certified technicians.
- Compliance with all relevant codes and regulations.
- System startup and testing included.
- Permit for electrical included.

Exclusions:

- Concrete pad.
- Propane tank, Propane, Propane connections, and permit.
- Remote monitoring (available as an add-on).
- Stainless steel and additional soundproofing options.

Pricing: 80kW Standby Generator:

Total Cost: \$83,507.00

- Includes full installation, replacement of the main disconnect, and all labor and materials required for successful system integration.
- Excludes costs for the concrete pad, propane tank, propane connections, and remote monitoring (available as an optional upgrade).

Optional Add-Ons:

- Remote Monitoring via Mobile Link Connectivity: Pricing available upon request.
- Extended Warranty Options: Pricing available upon request.
- Additional Soundproofing or Stainless Steel Enclosures: Pricing available upon request.

Terms and Conditions

- Payment Terms: NET 30.
- Warranty: 5 years on both generator, ATS and installation.

- Additional Costs: Any unforeseen modifications or site conditions will incur additional charges.

Conclusion

Pace Electric, Inc. is committed to ensuring the reliable operation of the Jade Lift Station with the installation of a robust standby generator system. Our team's expertise, combined with the superior features of the Generac Protector Series, guarantees a solution that is both dependable and efficient. We look forward to collaborating with the City of Belle Isle to successfully complete this critical infrastructure project.

For further discussion or to schedule a site visit, please contact us at (407) 855-3200 or via email at aaron@paceelectric.com.

Respectfully,

Aaron Allen

Pace Electric, Inc.



12/2/2024

Aaron Allen

President

PACE
ELECTRIC INC

Approved Signature

Date

Approved Printed Name

Title

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