



Date: 10/29/2025

To: "Lake County Special Districts (LCSD) Power Resiliency Project" Procurement

Attn: Christopher Becker

Reference: "Lake County Special Districts (LCSD) Power Resiliency Project" Procurement Rev #4

Energy Systems is pleased to offer the following proposal:

**Scope of Supply:**

**Quantity 2 - Generac Industrial diesel engine-driven generator set with 4-cylinder 2.2L engine, consisting of the following features and accessories:**

- Stationary Emergency-Standby rated
- 10-30kW Std. Footprint (Turbo)
- **30 kW Rating, wired for 120/240 VAC three phase, 60 Hz**
- Brushed (direct) Excitation
- cETLus
- EPA Certified
- **Standard Weather Protective Enclosure, Steel**
  - Industrial Grey Baked-On Powder Coat Finish
- Power Zone 410 Digital Control Panel for Single Generators
  - NFPA 110 Capable
  - Temp Range -40 to 70 degrees C
  - UL6200
  - C-ETL-US
  - CE
  - 128 X 64 Graphical Display with Heater
    - Auto/Manual/Off modes
    - Optional Emergency Stop, key switch (Auto/Off/Manual) and audible alarm horn within a single add on module
    - RS-485, RS-232 and CANbus ports
    - Sensors: Oil Pressure, optional Oil Temp, Coolant Temp, Fuel Level/Pressure (where applicable), Engine Speed, DC Battery Voltage, Run-time Hours, Generator Voltages, Amps, Frequency, Power, Power Factor
    - Alarm Status: Low or High AC Voltage, Low or High Battery Voltage, Low or High Frequency, Pre-low or Low Oil Pressure, Pre-high or High Oil Temp (optional), Low Water Level and Temp, High, Low, and Critical-low Fuel Level/Pressure (where applicable), Overload, Overcrank, Over and Under Speed, Unit Not in Automatic
    - Optional Programmable I/O module
  - Engine function monitoring and control:
    - Full range standby operation; programmable auto crank, Emergency Stop (optional), Auto-Off-Manual
    - 3 Phase RMS Voltage Sensing

- +/-0.5% digital voltage regulation with: soft-start voltage ramping - adjustable, loss of sensing protection - adjustable, negative power limit - adjustable, Hi/Lo voltage limit - adjustable, V/F slope and gain - adjustable, fault protection
  - Service reminders, fault history (alarm log)
  - I2T function for full generator protection
  - Selectable low-speed exercise
  - 2 and 3-wire start controls for any 2 or 3-wire transfer switch
- **Remote Emergency Stop Switch, Surface-Mount, shipped loose**
- **MLCB, 80% rated thermal-magnetic**
  - **100 Amp**
- Battery Charger, 10 Amp, NFPA 110 compliant, installed
- 90 AH, 700 CCA Group 27F Battery, with rack, installed
- Block Heater, 1500 Watt
- 100DB Alarm Horn
- 120V GFCI and 240V Outlet
- Engine Run Relay
- Fan and Belt Guards
- Fuel Water Separator Filter
- **130 Gallon Double-Wall UL142 Basetank**
  - **Mechanical fuel level indicator gauge**
  - **Electronic fuel level sender**
  - **Emergency Vent**
  - **12' Vent Extensions, 90% Fuel Alarm Panel, Fuel Drop Tube, Overfill Prevention Valve, Fill/Spill Return Hose, Fill/Spill Box. Vents shipped loose. Installed by others.**
- **Basetank Overfill Prevention**
- Powerzone 410 w/ NFPA Controls
- Stainless Steel Fire Rated Fuel Hoses
- 3 Owner's Manuals
- Critical Muffler - Installed
- Standard 2-Year Limited Warranty
- SD0030JG222.2D18DDYY2 **\$41,074.81**each

**Quantity 2 - TX Series Automatic Transfer Switch** consisting of the following features and accessories:

- **150 Amp, 3 pole, 120/240 VAC three phase, 60 Hz, with 2-Wire Start Circuit**
  - Utility Voltage Sensing Controls:
    - Adjustable Drop-out and Pick-up
    - Adjustable Utility Interrupt Delay
  - Adjustable Logic Controls:
    - Minimum Standby Voltage
    - Minimum Standby Frequency
    - Engine Warmup
    - Return to Utility
    - Engine Cooldown
    - Transfer on Exercise
- 3 Owner's Manuals
- Double Set of Form C Aux Cont
- IBC Seismic Certified
- Any Breaker (3 Cycle)
- Withstand and Close-On Rating - 200kA Fuse Rating
- Withstand and Close-On Rating - 22kA Any Breaker
- Withstand and Close-On Rating - 42kA Specific Breaker
- Enclosure Heater
- CSA - C22.2 No.178
- UL Listed 1008 by ETL
- Controller Cover, Padlockable, Black
- **NEMA 3R Enclosure**

- **Non Service Entrance Rated**
- Any Breaker (3 Cycle)
- In Phase Only Transfer
- Standard two year basic warranty **\$2942.65 each.**

Quantity 1 - Generac Industrial diesel engine-driven generator set with turbocharged 4-cylinder 4.5L engine, consisting of the following features and accessories:

- Stationary Emergency-Standby rated
- **80 kW Rating, wired for 120/240 VAC three phase, 60 Hz 60kw unit does not meet BAAQMD**
- Brushless Excitation
- UL2200
- EPA Certified
- SCAQMD
- **Level 2 Acoustic Enclosure, Steel. Generac rates its enclosures 0(WP),1 and 2 sound levels.**
  - Industrial Grey Baked-On Powder Coat Finish
- **24" 285 Gallon Double-Wall UL142 Basetank**
  - **Extended tank with external fill/vents**
  - **Mechanical fuel level indicator gauge**
  - **Electronic fuel level sender**
  - **Emergency Vents**
  - **12' Vent Extensions, High Fuel Level Alarm Panel, Fuel Drop Tube, Overfill Prevention Valve, Return Hose, Spill/Fill. Vents shipped loose. Installed by others.**
- Power Zone 410 Digital Control Panel for Single Generators
  - NFPA 110 Capable
  - Temp Range -40 to 70 degrees C
  - UL6200
  - C-ETL-US
  - CE
  - 128 X 64 Graphical Display with Heater
    - Auto/Manual/Off modes
    - Optional Emergency Stop, key switch (Auto/Off/Manual) and audible alarm horn within a single add on module
    - RS-485, RS-232 and CANbus ports
    - Sensors: Oil Pressure, optional Oil Temp, Coolant Temp, Fuel Level/Pressure (where applicable), Engine Speed, DC Battery Voltage, Run-time Hours, Generator Voltages, Amps, Frequency, Power, Power Factor
    - Alarm Status: Low or High AC Voltage, Low or High Battery Voltage, Low or High Frequency, Pre-low or Low Oil Pressure, Pre-high or High Oil Temp (optional), Low Water Level and Temp, High, Low, and Critical-low Fuel Level/Pressure (where applicable), Overload, Overcrank, Over and Under Speed, Unit Not in Automatic
    - Optional Programmable I/O module
  - Engine function monitoring and control:
    - Full range standby operation; programmable auto crank, Emergency Stop (optional), Auto-Off-Manual
    - 3 Phase RMS Voltage Sensing
      - +/-0.5% digital voltage regulation with: soft-start voltage ramping - adjustable, loss of sensing protection - adjustable, negative power limit - adjustable, Hi/Lo voltage limit - adjustable, V/F slope and gain - adjustable, fault protection
  - Service reminders, fault history (alarm log)
  - I2T function for full generator protection
  - Selectable low-speed exercise
  - 2 and 3-wire start controls for any 2 or 3-wire transfer switch
- **Standard MLCB, 80% rated thermal-magnetic**
  - **300 Amp**
- **Remote Emergency Stop Switch, Surface-Mount, shipped loose**
- Battery Charger, 10 Amp, NFPA 110 compliant, installed
- 110 AH, 925 CCA Group 31 Battery, with rack, installed

- Air Filter Restriction Indicator
- Coolant Heater, 1500W, 120VAC
- Engine Run Relay, 10A
- 120v GFCI and 240V Outlet
- I/O Expansion Module
- Fire Rated Stainless Steel Fuel Supply Hoses
- 3 Owner's Manuals
- Standard 2-Year Limited Warranty
- SD0080JG174.5D18DBLY3 **\$47,830.56**

**Quantity 1 - TX Series Automatic Transfer Switch** consisting of the following features and accessories:

- **150 Amp, 3 pole, 120/240 VAC three phase, 60 Hz, with 2-Wire Start Circuit**
  - Utility Voltage Sensing Controls:
    - Adjustable Drop-out and Pick-up
    - Adjustable Utility Interrupt Delay
  - Adjustable Logic Controls:
    - Minimum Standby Voltage
    - Minimum Standby Frequency
    - Engine Warmup
    - Return to Utility
    - Engine Cooldown
    - Transfer on Exercise
- 3 Owner's Manuals
- Double Set of Form C Aux Cont
- IBC Seismic Certified
- Any Breaker (3 Cycle)
- Withstand and Close-On Rating - 200kA Fuse Rating
- Withstand and Close-On Rating - 22kA Any Breaker
- Withstand and Close-On Rating - 42kA Specific Breaker
- Enclosure Heater
- CSA - C22.2 No.178
- UL Listed 1008 by ETL
- Controller Cover, Padlockable, Black
- **NEMA 3R Enclosure**
- **Non Service Entrance Rated**
- Any Breaker (3 Cycle)
- In Phase Only Transfer
- Standard two year basic warranty **\$2941.56**

**Quantity 1 - Generac Industrial diesel engine-driven generator set** with turbocharged/aftercooled 6-cylinder 6.7L engine, consisting of the following features and accessories:

- Stationary Emergency-Standby rated
- **130 kW Rating, wired for 277/480 VAC Three Phase, 60 Hz**
- Brushless Excitation
- UL2200
- EPA Certified
- SCAQMD
- **Standard Weather Protective Enclosure, Steel**
  - Baked-On Powder Coat Finish
- **36" 460 Gallon Double-Wall UL142 Extended Basetank with External Fill & Vents**
  - **Mechanical fuel level indicator gauge**
  - **Electronic fuel level sender**
  - **12' Vent Extensions, High Fuel Level Alarm Panel, Overfill Prevention Valve, Return Hose, Spill/Fill. Vents shipped loose. Installed by others.**
- **Fire Rated Stainless Steel Fuel Supply Hoses**

- **Power Zone 410 Digital Control Panel for Single Generators**
  - NFPA 110 Capable
  - Temp Range -40 to 70 degrees C
  - UL6200
  - C-ETL-US
  - CE
  - 128 X 64 Graphical Display with Heater
    - Auto/Manual/Off modes
    - Optional Emergency Stop, key switch (Auto/Off/Manual) and audible alarm horn within a single add on module
    - RS-485, RS-232 and CANbus ports
    - Sensors: Oil Pressure, optional Oil Temp, Coolant Temp, Fuel Level/Pressure (where applicable), Engine Speed, DC Battery Voltage, Run-time Hours, Generator Voltages, Amps, Frequency, Power, Power Factor
    - Alarm Status: Low or High AC Voltage, Low or High Battery Voltage, Low or High Frequency, Pre-low or Low Oil Pressure, Pre-high or High Oil Temp (optional), Low Water Level and Temp, High, Low, and Critical-low Fuel Level/Pressure (where applicable), Overload, Overcrank, Over and Under Speed, Unit Not in Automatic
    - Optional Programmable I/O module
  - Engine function monitoring and control:
    - Full range standby operation; programmable auto crank, Emergency Stop (optional), Auto-Off-Manual
    - 3 Phase RMS Voltage Sensing
      - +/-0.5% digital voltage regulation with: soft-start voltage ramping - adjustable, loss of sensing protection - adjustable, negative power limit - adjustable, Hi/Lo voltage limit - adjustable, V/F slope and gain - adjustable, fault protection
  - Service reminders, fault history (alarm log)
  - I2T function for full generator protection
  - Selectable low-speed exercise
  - 2 and 3-wire start controls for any 2 or 3-wire transfer switch
- **Primary MLCB, 80% rated thermal-magnetic**
  - **225 amp**
- **Remote Emergency Stop Switch, Surface-Mount, shipped loose**
- Battery Charger, 10 Amp, NFPA 110 compliant, installed
- 110 AH, 925 CCA Group 31 Battery, with rack, installed
- Air Filter Restriction Indicator
- Engine Coolant Heater, 1500W
- Engine Run Relay, 10A
- 120V GFCI and 240V Outlet
- I/O Expansion Module
- 3 Owner's Manuals
- Standard 2-Year Limited Warranty
- SD0130KG176.7D18DBYY3 **\$67,444.21**

**Quantity 1 - TX Series Automatic Transfer Switch** consisting of the following features and accessories:

- **200 Amp, 3 pole, 277/480 VAC three phase, 60 Hz, with 2-Wire Start Circuit**
  - Utility Voltage Sensing Controls:
    - Adjustable Drop-out and Pick-up
    - Adjustable Utility Interrupt Delay
  - Adjustable Logic Controls:
    - Minimum Standby Voltage
    - Minimum Standby Frequency
    - Engine Warmup
    - Return to Utility
    - Engine Cooldown
    - Transfer on Exercise
- 3 Owner's Manuals

- Double Set of Form C Aux Cont
- IBC Seismic Certified
- Any Breaker (3 Cycle)
- Withstand and Close-On Rating - 200kA Fuse Rating
- Withstand and Close-On Rating - 22kA Any Breaker
- Withstand and Close-On Rating - 42kA Specific Breaker
- Enclosure Heater
- CSA - C22.2 No.178
- UL Listed 1008 by ETL
- Controller Cover, Padlockable, Black
- **NEMA 3R Enclosure**
- **Non Service Entrance Rated**
- Any Breaker (3 Cycle)
- In Phase Only Transfer
- Standard two year basic warranty **\$3269.99**

**Quantity 1 - Generac Industrial diesel engine-driven generator set** with turbocharged/aftercooled 6-cylinder 6.7L engine, consisting of the following features and accessories:

- Stationary Emergency-Standby rated
- **150 kW Rating, wired for 277/480 VAC Three Phase, 60 Hz**
- Permanent Magnet Excitation
- UL2200
- EPA Certified
- SCAQMD
- **Standard Weather Protective Enclosure, Steel**
  - Baked-On Powder Coat Finish
- **36" 705 Gallon Double-Wall UL142 Extended Basetank with External Fill & Vents**
  - **Mechanical fuel level indicator gauge**
  - **Electronic fuel level sender**
  - **12' Vent Extensions, High Fuel Level Alarm Panel, Overfill Prevention Valve, Return Hose, Spill/Fill. Vents shipped loose. Installed by others.**
- Fire Rated Stainless Steel Fuel Supply Hoses
- DSE G8601 Digital Genset Controller
  - Meets NFPA 99 and 110 requirements
  - Temp Range -30 to +50 deg C
  - UL6200
  - CE
  - High-Resolution 240 X 128 Pixel Display
    - Integral LCD Display Heater
    - IP65 (front)
    - Auto/Manual/Off key switch, Alarm Indication, Not in Auto Indication, audible alarm, emergency stop switch
  - Advanced PLC Functionality
  - 2 RS485 Ports, 2 USB Ports, 1 Ethernet Port, and 1 CANbus Port
  - Engine Sensors: Oil Pressure, Oil Temp, Coolant Temp and Level, Fuel Level/Pressure (where applicable), Engine Speed, DC Battery Voltage and Charge Current, Run-time Hours, Generator Voltages, Amps, Frequency, Power, Power Factor
    - Alarm Status: Low or High AC Voltage, Low or High Battery Voltage, Low or High Frequency, Pre-low or Low Oil Pressure, Pre-high or High Oil Temp, Low Water Level and Temp, Pre-high or High Engine Temp, High, Low, and Critical-low Fuel Level/Pressure (where applicable), Overcrank, Over and Under Speed, Unit Not in Automatic
    - Programmable I/O
    - Built-in PLC for special applications
  - Engine function monitoring and control:
    - Full range standby operation; programmable auto crank, Emergency Stop, Auto-Off-Manual switch
  - Isochronous Governor

- Digital frequency regulation with: soft-start ramping - adjustable, gain - adjustable, overshoot limit - adjustable
  - 3 Phase RMS Voltage Sensing
    - +/-0.5% digital voltage regulation with: soft-start voltage ramping - adjustable, loss of sensing protection - adjustable, negative power limit - adjustable, Hi/Lo voltage limit - adjustable, V/F slope and gain - adjustable, fault protection (I2T Function)
  - Configurable Timers
  - Integrated SNMP
  - DSENet (Expansion Support)
  - 2 and 3-wire start controls for any industrial grade transfer switch
- DSE G8601 Digital Genset Controller
  - Meets NFPA 99 and 110 requirements
  - Temp Range -30 to +50 deg C
  - UL6200
  - CE
  - High-Resolution 240 X 128 Pixel Display
    - Integral LCD Display Heater
    - IP65 (front)
    - Auto/Manual/Off key switch, Alarm Indication, Not in Auto Indication, audible alarm, emergency stop switch
  - Advanced PLC Functionality
  - 2 RS485 Ports, 2 USB Ports, 1 Ethernet Port, and 1 CANbus Port
  - Engine Sensors: Oil Pressure, Oil Temp, Coolant Temp and Level, Fuel Level/Pressure (where applicable), Engine Speed, DC Battery Voltage and Charge Current, Run-time Hours, Generator Voltages, Amps, Frequency, Power, Power Factor
    - Alarm Status: Low or High AC Voltage, Low or High Battery Voltage, Low or High Frequency, Pre-low or Low Oil Pressure, Pre-high or High Oil Temp, Low Water Level and Temp, Pre-high or High Engine Temp, High, Low, and Critical-low Fuel Level/Pressure (where applicable), Overcrank, Over and Under Speed, Unit Not in Automatic
    - Programmable I/O
    - Built-in PLC for special applications
  - Engine function monitoring and control:
    - Full range standby operation; programmable auto crank, Emergency Stop, Auto-Off-Manual switch
  - Isochronous Governor
    - Digital frequency regulation with: soft-start ramping - adjustable, gain - adjustable, overshoot limit - adjustable
  - 3 Phase RMS Voltage Sensing
    - +/-0.5% digital voltage regulation with: soft-start voltage ramping - adjustable, loss of sensing protection - adjustable, negative power limit - adjustable, Hi/Lo voltage limit - adjustable, V/F slope and gain - adjustable, fault protection (I2T Function)
  - Configurable Timers
  - Integrated SNMP
  - DSENet (Expansion Support)
  - 2 and 3-wire start controls for any industrial grade transfer switch
- **Remote Emergency Stop Switch, Surface-Mount, shipped loose**
- **Primary MLCB, 80% rated thermal-magnetic**
  - **250 amp**
- Battery Charger, 10 Amp, NFPA 110 compliant, installed
- 110 AH, 925 CCA Group 31 Batteries, dual-paralleled, with rack, installed
- Air Filter Restriction Indicator
- Engine Coolant Heater, 1500W
- Engine Run Relay, 10A
- 120V GFCI and 240V Outlet
- 3 Owner's Manuals
- Standard 2-Year Limited Warranty
- SD0150KG176.7D18CPYY3 **\$71,839.89**

**Quantity 1 - TX Series Automatic Transfer Switch** consisting of the following features and accessories:



- **300 Amp, 3 pole, 277/480 VAC three phase, 60 Hz, with 2-Wire Start Circuit**
  - Utility Voltage Sensing Controls:
    - Adjustable Drop-out and Pick-up
    - Adjustable Utility Interrupt Delay
  - Adjustable Logic Controls:
    - Minimum Standby Voltage
    - Minimum Standby Frequency
    - Engine Warmup
    - Return to Utility
    - Engine Cooldown
    - Transfer on Exercise
- 3 Owner's Manuals
- Double Set of Form C Aux Cont
- IBC Seismic Certified
- Any Breaker (3 Cycle)
- Withstand and Close-On Rating - 200kA Fuse Rating
- Withstand and Close-On Rating - 35kA Any Breaker
- Withstand and Close-On Rating - 65kA Specific Breaker
- Enclosure Heater
- CSA - C22.2 No.178
- UL Listed 1008 by ETL
- Controller Cover, Padlockable, Black
- **NEMA 3R Enclosure**
- **Non Service Entrance Rated**
- Any Breaker (3 Cycle)
- In Phase Only Transfer
- Standard two year basic warranty **\$4181.29**

**Quantity 1 - Generac Industrial diesel engine-driven generator set with turbocharged 4-cylinder 4.5L engine, consisting of the following features and accessories:**

- Stationary Emergency-Standby rated
- **80 kW Rating, wired for 120/240 VAC three phase, 60 Hz** **60kw unit does not meet BAAQMD**
- Brushless Excitation
- UL2200
- EPA Certified
- SCAQMD
- **Standard Weather Protective Enclosure, Steel**
  - Industrial Grey Baked-On Powder Coat Finish
- **24" 285 Gallon Double-Wall UL142 Basetank**
  - **Extended tank with external fill/vents**
  - **Mechanical fuel level indicator gauge**
  - **Electronic fuel level sender**
  - **Emergency Vents**
  - **12' Vent Extensions, High Fuel Level Alarm Panel, Fuel Drop Tube, Overfill Prevention Valve, Return Hose, Spill/Fill. Vents shipped loose. Installed by others.**
- Power Zone 410 Digital Control Panel for Single Generators
  - NFPA 110 Capable
  - Temp Range -40 to 70 degrees C
  - UL6200
  - C-ETL-US
  - CE
  - 128 X 64 Graphical Display with Heater
    - Auto/Manual/Off modes
    - Optional Emergency Stop, key switch (Auto/Off/Manual) and audible alarm horn within a single add on module
    - RS-485, RS-232 and CANbus ports



- Sensors: Oil Pressure, optional Oil Temp, Coolant Temp, Fuel Level/Pressure (where applicable), Engine Speed, DC Battery Voltage, Run-time Hours, Generator Voltages, Amps, Frequency, Power, Power Factor
- Alarm Status: Low or High AC Voltage, Low or High Battery Voltage, Low or High Frequency, Pre-low or Low Oil Pressure, Pre-high or High Oil Temp (optional), Low Water Level and Temp, High, Low, and Critical-low Fuel Level/Pressure (where applicable), Overload, Overcrank, Over and Under Speed, Unit Not in Automatic
- Optional Programmable I/O module
- Engine function monitoring and control:
  - Full range standby operation; programmable auto crank, Emergency Stop (optional), Auto-Off-Manual
  - 3 Phase RMS Voltage Sensing
    - +/-0.5% digital voltage regulation with: soft-start voltage ramping - adjustable, loss of sensing protection - adjustable, negative power limit - adjustable, Hi/Lo voltage limit - adjustable, V/F slope and gain - adjustable, fault protection
  - Service reminders, fault history (alarm log)
  - I2T function for full generator protection
  - Selectable low-speed exercise
  - 2 and 3-wire start controls for any 2 or 3-wire transfer switch
- **Standard MLCB, 80% rated thermal-magnetic**
  - **300 Amp**
- **Remote Emergency Stop Switch, Surface-Mount, shipped loose**
- Battery Charger, 10 Amp, NFPA 110 compliant, installed
- 110 AH, 925 CCA Group 31 Battery, with rack, installed
- Air Filter Restriction Indicator
- Coolant Heater, 1500W, 120VAC
- Engine Run Relay, 10A
- 120v GFCI and 240V Outlet
- I/O Expansion Module
- Fire Rated Stainless Steel Fuel Supply Hoses
- 3 Owner's Manuals
- Standard 2-Year Limited Warranty
- SD0080JG174.5D18DBYY3 **\$45,992.96**

**Quantity 1 - TX Series Automatic Transfer Switch** consisting of the following features and accessories:

- **100 Amp, 3 pole, 120/240 VAC three phase, 60 Hz, with 2-Wire Start Circuit**
  - Utility Voltage Sensing Controls:
    - Adjustable Drop-out and Pick-up
    - Adjustable Utility Interrupt Delay
  - Adjustable Logic Controls:
    - Minimum Standby Voltage
    - Minimum Standby Frequency
    - Engine Warmup
    - Return to Utility
    - Engine Cooldown
    - Transfer on Exercise
- 3 Owner's Manuals
- Double Set of Form C Aux Cont
- IBC Seismic Certified
- Any Breaker (3 Cycle)
- Withstand and Close-On Rating - 200kA Fuse Rating
- Withstand and Close-On Rating - 22kA Any Breaker
- Withstand and Close-On Rating - 35kA Specific Breaker
- Enclosure Heater
- CSA - C22.2 No.178
- UL Listed 1008 by ETL
- Controller Cover, Padlockable, Black

- **NEMA 3R Enclosure**
- **Non Service Entrance Rated**
- Any Breaker (3 Cycle)
- In Phase Only Transfer
- Standard two year basic warranty **\$2753.43**

**Quantity 5 - Generac Industrial diesel engine-driven generator set** with turbocharged 4-cylinder 4.5L engine, consisting of the following features and accessories:

- Stationary Emergency-Standby rated
- **80 kW Rating, wired for 120/240 VAC three phase, 60 Hz**
- Brushless Excitation
- UL2200
- EPA Certified
- SCAQMD
- **Level 2 Acoustic Enclosure, Steel**
  - **Industrial Grey Baked-On Powder Coat Finish**
- **36" 589 Gallon Double-Wall UL142 Basetank**
  - **Mechanical fuel level indicator gauge**
  - **Electronic fuel level sender**
  - **Emergency Vents**
  - **5 gallon spill basin and extended vents to be field installed by ES.**
- Power Zone 410 Digital Control Panel for Single Generators
  - NFPA 110 Capable
  - Temp Range -40 to 70 degrees C
  - UL6200
  - C-ETL-US
  - CE
  - 128 X 64 Graphical Display with Heater
    - Auto/Manual/Off modes
    - Optional Emergency Stop, key switch (Auto/Off/Manual) and audible alarm horn within a single add on module
    - RS-485, RS-232 and CANbus ports
    - Sensors: Oil Pressure, optional Oil Temp, Coolant Temp, Fuel Level/Pressure (where applicable), Engine Speed, DC Battery Voltage, Run-time Hours, Generator Voltages, Amps, Frequency, Power, Power Factor
    - Alarm Status: Low or High AC Voltage, Low or High Battery Voltage, Low or High Frequency, Pre-low or Low Oil Pressure, Pre-high or High Oil Temp (optional), Low Water Level and Temp, High, Low, and Critical-low Fuel Level/Pressure (where applicable), Overload, Overcrank, Over and Under Speed, Unit Not in Automatic
    - Optional Programmable I/O module
  - Engine function monitoring and control:
    - Full range standby operation; programmable auto crank, Emergency Stop (optional), Auto-Off-Manual
    - 3 Phase RMS Voltage Sensing
      - +/-0.5% digital voltage regulation with: soft-start voltage ramping - adjustable, loss of sensing protection - adjustable, negative power limit - adjustable, Hi/Lo voltage limit - adjustable, V/F slope and gain - adjustable, fault protection
  - Service reminders, fault history (alarm log)
  - I2T function for full generator protection
  - Selectable low-speed exercise
  - 2 and 3-wire start controls for any 2 or 3-wire transfer switch
- **Standard MLCB, 80% rated thermal-magnetic**
  - **300 Amp**
- **Remote Emergency Stop Switch, Surface-Mount, shipped loose**
- Battery Charger, 10 Amp, NFPA 110 compliant, installed
- 110 AH, 925 CCA Group 31 Battery, with rack, installed
- Air Filter Restriction Indicator

- Coolant Heater, 1500W, 120VAC
- Engine Run Relay, 10A
- 120v GFCI and 240V Outlet
- Fire Rated Stainless Steel Fuel Supply Hoses
- 3 Owner's Manuals
- Standard 2-Year Limited Warranty
- SD0080JG174.5D18DBLY3 **\$53,380.46 each**

**Quantity 5 - TX Series Automatic Transfer Switch** consisting of the following features and accessories:

- **200 Amp, 3 pole, 120/240 VAC three phase**, 60 Hz, with 2-Wire Start Circuit
  - Utility Voltage Sensing Controls:
    - Adjustable Drop-out and Pick-up
    - Adjustable Utility Interrupt Delay
  - Adjustable Logic Controls:
    - Minimum Standby Voltage
    - Minimum Standby Frequency
    - Engine Warmup
    - Return to Utility
    - Engine Cooldown
    - Transfer on Exercise
- 3 Owner's Manuals
- Double Set of Form C Aux Cont
- IBC Seismic Certified
- Any Breaker (3 Cycle)
- Withstand and Close-On Rating - 200kA Fuse Rating
- Withstand and Close-On Rating - 22kA Any Breaker
- Withstand and Close-On Rating - 42kA Specific Breaker
- Enclosure Heater
- CSA - C22.2 No.178
- UL Listed 1008 by ETL
- Controller Cover, Padlockable, Black
- **NEMA 3R Enclosure**
- **Non Service Entrance Rated**
- Any Breaker (3 Cycle)
- In Phase Only Transfer
- Standard two year basic warranty **\$3271.08**

**Pricing:**

**Generator and ATS Pricing includes 8.75% sales tax.**

**Start Up & Training included.**

**Optional Adders:**

- |  |                   |
|--|-------------------|
| • On-site Tank Testing (at scheduled startup).....               | <b>Included</b>   |
| • On-site Tank Testing (prior to startup - dedicated trips)..... | \$ 2,800 Per Unit |
| • Remote Annunciator .....                                       | \$ 750 per unit   |

**Energy Systems offers air permitting and consulting services. If you or your customer requires an air permit for this project, Energy Systems can provide a quote for permitting services upon request.**

**Leadtimes:**

Estimated lead time from factory, excluding transit: 12-40 weeks after release of order.

Manufacturer lead time to be confirmed upon approved release for production notification

Estimated Submittal Lead time: 5-7 business days.

**Shipping:**

Incoterms: ExWorks factory with freight allowed to the jobsite, on a truck, curbside.

**Specifications**

This quote is based on our understanding of your email request which are documented in our quotation. These specifications may or may not meet all jobsite requirements.

**Initial Start & Test**

Upon completion of installation by others, Start & Test will be performed by Energy Systems during normal business hours of 8:00a.m. to 4:00p.m. Monday through Friday. Fuel for testing and filling is not included. (Start & Test outside normal business hours will be invoiced as necessary).

1. One Start & Test service call to the jobsite is included. Additional trips due to jobsite conditions beyond our control will be invoiced as necessary.
2. Start & Test Load testing will be conducted using building load ( load bank ) for 2 hours.

**Scope Clarifications:**

- No equipment will be ordered without written release to proceed – price changes issued by the manufacturer after quotation validity and prior to release will be passed along to the customer.
- Pricing includes freight to site, offloading by others.
- If transfer switch needs to be shipped separately, additional freight charges will apply.
- Pricing for adders purchased separately from equipment will be assessed at time of purchase.
- Installation, fueling and termination of connections not included.
- The Energy Systems provided start-up checklist and supporting pictures must be received by Supplier two weeks prior to technician scheduling.
- All industrial products require a formal start up by a Generac factory certified technician.
- Pricing is based on work being completed during regular business hours.
- Load bank (if included) is resistive load unless otherwise noted.
- Training to be completed same day as start up. Additional charges will apply if a separate trip is required.
- Enclosure color is Generac Industrial grey.
- Not included unless otherwise noted: equipment offloading, installation, fuel, permits, signage, taxes, exhaust system backpressure test, exhaust emissions test, infrared scanning, NETA testing, harmonic testing, concrete pad, anchoring, fuel pipe, exhaust pipe, pipe insulation, Building communication integration, license fees.

**Validity of the Quote**

This quote is valid for 30 days following the quote date. This quote may be modified and/or rescinded by Energy Systems at its sole discretion unless and until accepted on or before the quote date.

**Credit**

Credit is subject to Energy Systems approval at its sole discretion. This quote in no way constitutes approval of credit.

**Terms and Conditions:**

Payment terms

10% deposit due at time of order, balance invoiced at shipment with NET 30 (1 ½% per month will be charged on past due accounts).

Partial shipments will be invoiced proportional to total quoted price, payable 30 days after shipment.

All purchase orders must be acknowledged in writing by Energy Systems to be deemed accepted.

Purchase orders which are issued with a hold for release date are subject to re-evaluation at the time of release.

Storage fees may be assessed if your job site is not able to accept delivery on the requested date.

**Other Terms and Conditions:**

1. Equipment cannot be held by Energy Systems or its suppliers without prior written agreement.
2. Any sale of goods or services, and any extension of credit, is governed by and subject to West Coast Energy Systems' Terms and Conditions of Sales and Service ("Terms") located at <https://energysystems.com/terms-and-conditions-of-sale-and-service/> which is incorporated by reference. The Terms are subject to change at any time and you are advised to frequently re-review the Terms. Unless pursuant to a written agreement mutually executed by both parties, the Terms shall be binding upon the parties, and any other terms, communications or documents are to be disregarded and hereby expressly rejected.

**Sincerely,**

*Nick Padilla*

West Coast Energy Systems  
(209)-292-1385

Accepted By: \_\_\_\_\_

Customer P.O.: \_\_\_\_\_ Date: \_\_\_\_\_