

**RENEWAL AND AMENDMENT NO. 4
TO SERVICES AGREEMENT
BETWEEN QUINN COMPANY D/B/A QUINN POWER SYSTEMS AND
THE COUNTY OF MONTEREY ON BEHALF OF NATIVIDAD MEDICAL CENTER
FOR
MAINTENANCE OF GENERATORS AND AUTOMATIC TRANSFER SWITCH SERVICES**

This Renewal and Amendment No. 4 to the Services Agreement (“Agreement”) which was effective on July 1, 2015 is entered into by and between the County of Monterey, on behalf of Natividad Medical Center (“NMC”), and Quinn Company d/b/a Quinn Power Systems (“CONTRACTOR”); **From this point forward, the party referenced previously as “NMC” shall be referenced as “COUNTY” and collectively, COUNTY and CONTRACTOR are referred to as the “Parties” to this Agreement, with respect to the following:**

RECITALS

WHEREAS, the Agreement was executed with Quinn Company d/b/a Quinn Power Systems for maintenance of generators and automatic transfer switch services with a term July 1, 2015 through June 30, 2018 and a total Agreement amount not to exceed \$184,993; and

WHEREAS, the Parties amended the Agreement on July 16, 2018 via Amendment No. 1 to extend the term for an additional three (3) year period through June 30, 2021 for a revised Agreement term (July 1, 2015 through June 30, 2023) to allow for services to continue with a \$18,400 increase for a revised total Agreement amount not to exceed \$203,393; and

WHEREAS, the Agreement expired on June 30, 2021; and

WHEREAS, the Parties renewed and amended the Agreement via Renewal and Amendment No. 2 on the same or similar terms, beginning July 1, 2021 and to extend the term for an additional one (1) year period through June 30, 2022 for a revised Agreement term (July 1, 2015 through June 30, 2022) to allow for services to continue with no change to the total Agreement amount of \$209,393; and

WHEREAS, the Parties amended the Agreement on May 20, 2022 via Amendment No. 3 to extend the term for an additional one (1) year period through June 30, 2023 for a revised Agreement term (July 1, 2015 through June 30, 2023) to allow for services to continue with no changes to the scope of work or billing rates and to add an additional \$18,499 for a revised total Agreement amount not to exceed \$221,892; and

WHEREAS, the Agreement expired on June 30, 2023; and

WHEREAS, the Parties wish to renew and amend the Agreement beginning July 1, 2023 and to extend the term for an additional one (1) year period through June 30, 2024 for a revised full Agreement term (July 1, 2015 through June 30, 2024) to allow for services to continue with revisions to the original scope of work attached hereto as “Exhibit A-4 as per Renewal and Amendment No. 4” and to add an additional \$79,000 for a revised total Agreement amount not to exceed \$300,892.

AGREEMENT

NOW, THEREFORE, the Parties agree to amend the Agreement as follows:

The Agreement is hereby revived and renewed on the terms and conditions as set forth in the Original Agreement and in Amendment No. 1, Renewal and Amendment No. 2, and Amendment No. 3 incorporated herein by this reference, except as specifically set forth below.

1. Section 2 / Paragraph titled, "PAYMENTS BY COUNTY" shall be amended to the following:
"COUNTY shall pay the CONTRACTOR in accordance with the payment provisions set forth in EXHIBIT A-4 as per Renewal and Amendment No. 4 attached hereto this Renewal and Amendment No. 4. The total amount payable by COUNTY to CONTRACTOR under this Agreement shall not exceed the sum of \$300,892."
2. The first sentence of Section 3 /Paragraph titled, "TERM OF AGREEMENT" shall be amended to the following:
"The term of this Agreement is from July 1, 2015 through June 30, 2024 unless sooner terminated pursuant to the terms of this Agreement."
3. Section 4/ Paragraph titled, "ADDITIONAL PROVISIONS/EXHIBITS" shall be amended to the following:
***"The following attached exhibits are incorporated herein by reference and constitute a part of this Agreement:
Exhibit A: Scope of Services/Payment Provisions
Exhibit A-4: revised Scope of Services/Payment Provisions as per Renewal and Amendment No. 4."***
4. **The first sentence of Section 7.1 shall be amended to the following:**
During the term of this Agreement, either Party may terminate the Agreement for any reason by giving written notice of termination to the other Party at least thirty (30) days prior to the effective date of termination.
5. Section 7.2, "**TERMINATION**" shall be amended to the following:
"NMCC may cancel and terminate this Agreement for good cause effective immediately upon written notice to CONTRACTOR. "Good cause" includes the failure of CONTRACTOR to perform the required services at the time and in the manner provided under this Agreement. If NMCC terminates this Agreement for good cause, NMCC may be relieved of the payment of any consideration to CONTRACTOR, and NMCC may proceed with the work in any manner, which NMCC deems proper. The cost to NMCC shall be deducted from any sum due the CONTRACTOR under this Agreement. CONTRACTOR may cancel and terminate this Agreement for good cause effective immediately upon written notice to COUNTY. "Good cause" includes, but is not limited to, the failure of COUNTY to pay CONTRACTOR's invoices pursuant to the payment terms in Section 6, "PAYMENT CONDITIONS."
6. Section 8.1, "**INDEMNIFICATION**" shall be amended to the following:

"MUTUAL INDEMNIFICATION.

A. The Contractor shall indemnify, defend, and hold harmless the County of Monterey (hereinafter "County"), its officers, agents, employees, or subcontractors from any claim, liability, loss, injury or damage arising out of, or in connection with, the performance of this Agreement by the Contractor and/or its officers, agents, employees or sub-contractors, excepting only loss, injury or damage caused by the negligence or willful misconduct of County and/or its officers, agents, employees and subcontractors. It is the intent of the parties to this Agreement to provide the broadest possible coverage for the County. The Contractor shall reimburse the County for all costs, attorneys' fees, expenses and liabilities incurred with respect to any litigation in which the Contractor is obligated to indemnify, defend and hold harmless the County under this Agreement.

B. The County shall indemnify, defend, and hold harmless the Contractor, its officers, agents, employees, and subcontractors from any claim, liability, loss, injury or damage arising out of, or in connection with, the performance of this Agreement by the County and/or its officers, agents, employees or sub-contractors, excepting only loss, injury or damage caused by the negligence or willful misconduct of the Contractor and/or its officers, agents, employees and subcontractors. The County shall reimburse the Contractor for all costs, attorneys' fees, expenses and liabilities incurred with respect to any litigation in which the County is obligated to indemnify, defend and hold harmless the Contractor under this Agreement."

7. **Section 14 regarding notices to Contractor shall be amended to the following:**

"Quinn Company dba Quinn Power Systems
Attn: Michelle Locke
10006 Rose Hills Rd
City of Industry, CA 90601
Email: michelle.locke@quinngroup.net

With a copy to: sonja.hourany@quinngroup.net"

8. Except as provided herein, all remaining terms, conditions and provisions of the Agreement are unchanged and unaffected by this Renewal and Amendment No. 4 and shall continue in full force and effect as set forth in the Agreement and in Amendment No. 1, Renewal and Amendment No. 2 and Amendment No. 3.
9. A copy of this Amendment No. 4 shall be attached to the Agreement.
10. This Renewal and Amendment No. 4 shall be effective retroactively on July 1, 2023.

The remainder of this page was intentionally left blank.

~ Signature page to follow ~


IN WITNESS WHEREOF, the Parties hereby execute this Renewal and Amendment No. 1 as follows:

**COUNTY OF MONTEREY on behalf of
NATIVIDAD MEDICAL CENTER**

By: _____
Charles R. Harris, CEO

Date: _____

APPROVED AS TO LEGAL PROVISIONS

By:  _____
Monterey County Deputy County Counsel

Date: 10/11/2023 | 1:52 PM PDT

APPROVED AS TO FISCAL PROVISIONS

By:  _____
Monterey County Deputy Auditor/Controller

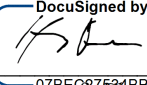
Date: 10/12/2023 | 3:03 PM PDT

CONTRACTOR

Quinn Company d/b/a Quinn Power Systems

CONTRACTOR's Business Name

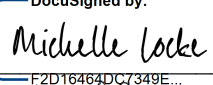
See instructions below

By:  _____
(Signature of: Chair, President, or Vice-President)

Henry Quan, Executive VP

Name and Title

Date: 9/27/2023 | 8:23 PM PDT

By:  _____
(Signature of: Secretary, Asst. Secretary, CFO,
Treasurer, or Asst. Treasurer)

Michelle Locke, VP & CFO

Name and Title

Date: 9/27/2023 | 8:23 PM PDT

*****Instructions*****

If CONTRACTOR is a corporation; including limited liability and non-profit corporations, the full legal name of the corporation shall be set forth above together with the signatures of two specified officers (two signatures required).

If CONTRACTOR is a partnership; the name of the partnership shall be set forth above together with the signature of a partner who has authority to execute this Agreement on behalf of the partnership (two signatures required).

If CONTRACTOR is contracting in an individual capacity, the individual shall set forth the name of the business, if any and shall personally sign the Agreement (one signature required).

Exhibit A-4: revised Scope of Services/Payment Provisions as per Renewal and Amendment No. 4

A. Description of All Services to be Rendered by CONTRACTOR:

Quinn Power Systems is a factory authorized Caterpillar dealer and provides preventive maintenance and repairs on Caterpillar equipment. COUNTY owns Caterpillar equipment and will retain Quinn Power Systems to perform periodic preventive maintenance on such equipment. Quinn Power Systems is able to perform such periodic preventive maintenance along with necessary repairs.

COUNTY's Caterpillar equipment are emergency generators and automatic transfer switches. Per the Life Safety Code¹ the hospital is required to provide a reliable emergency electrical power source. The generators will provide power to the entire COUNTY Campus during the loss of power. Maintaining the generators requires periodic preventative maintenance along with detailed inspection of all equipment. Joint Commission also requires that monthly emergency tests are conducted with a dynamic load that is at least 30% of the nameplate rating of the generator. Quinn Power Systems shall provide multi-point inspections including multiple levels of inspection and frequency. Repairs shall be made immediately during inspections to ensure emergency power source is always available for use.

B. CONTRACTOR Obligations:

1. CONTRACTOR shall provide scheduled maintenance service inspections stated herein Exhibit A-4 page(s) 5 under "CSA PM Level Descriptions".
2. CONTRACTOR shall provide ATS Testing in accordance with the preventative stated herein Exhibit A-4 page(s) 6 and 7 under "ATS Testing, Main Bldg.- Qty. 9 & Bldg. 400, Qty. 3."
3. CONTRACTOR shall provide an annual generator paralleling switchgear maintenance testing stated herein Exhibit A-4 page(s) 8 under "Breakers and Relays Testing".
4. Materials such Engine Oil, Oil Filter(s), Fuel Filter(s), Additional Air Filter(s) if required will be replaced and billed to COUNTY.
5. CONTRACTOR shall provide 'On-Call' Emergency service 24/7 on an as-requested basis.
6. CONTRACTOR shall provide typical on-site response within four hours from time of call for emergency services.
7. CONTRACTOR shall provide factory trained technicians.
8. Ensure technicians are properly trained and credentialed to work in a hospital environment.
9. Provide written documentation of the services upon completion of the service.
10. CONTRACTOR shall maintain appropriate communications with COUNTY of findings and recommendations.
11. CONTRACTOR shall perform all work utilizing safe and secure practices.
12. CONTRACTOR cannot guarantee the current condition of the generator stator, rotor, excitation system and engine performance that may cause issues and or be directly related to the existing failures at hand. CONTRACTOR can only make recommendations based

upon findings and observations throughout the project unless simple adjustments are required which do not impede the progress of the listed work scope.

13. All recommendations and issues will be brought to the immediate attention of COUNTY. A separate proposal for repair will be generated based upon said recommendations and corrective action required.

C. COUNTY Obligations:

1. COUNTY shall provide two (2) week advance notice for scheduling of PMs.
2. COUNTY shall facilitate all on-site scheduling, along with all work to be completed during normal business hours.
3. The working condition of all components that are not being replaced is COUNTY's responsibility if the system is not under factory warranty.
4. COUNTY is responsible for all fuel costs as associated with generator and switchgear systems; sequence of operation testing of all modifications are not included.
5. COUNTY shall ensure sufficient information (technical and administrative); instructions and documents are given in due time (and, in any event not later than 48 hours prior to the desired intervention) to enable the required services to be performed.
6. COUNTY shall perform all transfer switching between generators.
7. COUNTY shall supply power for testing at point of need.
8. COUNTY shall supply all available electrical drawings and instruction manuals as requested.
9. COUNTY shall supply all protective device settings.
10. Procure all necessary access for the CONTRACTOR's representatives to the premises where the services are to be performed and take all necessary steps to eliminate or remedy any obstacles to or interruptions in, the performance of the services.
11. Ensure that all necessary measures are taken for safety and security of working conditions, sites, and installations during the performance of services and will not rely, in this respect, on the CONTRACTOR's advice whether required or not.
12. COUNTY shall be responsible for replacement of malfunctioning devices.

D. Pricing/Fees:

1. SCHEDULED MAINTENANCE SERVICE INSPECTIONS FEES:

GUARANTEED PERFORMANCE	FREQUENCY	TOTAL FEE
PM Level 1- Multi Point Inspection	Three (3) visits per year.	\$4,930.00
PM Level 2- Annual Service	One (1) visit per year.	\$11,929.50
PM Level 11- ATS Maintenance	One (1) visit per year.	\$14,190.00
PM Level 5- Load Bank 4 hours test duration	One (1) visit per year.	\$11,300.00
PM Level 8- Fuel Sample Analysis	One (1) sample per year.	Included in PM 2

Total PM fee included optional LOADBANK TEST not to exceed: \$42,349.50

2. CUSTOMER LABOR RATES – Quinn Power Systems, Coast Region (effective July 1, 2023):

<i>PREFERRED CUSTOMER LABOR RATES</i>			
	Preferred Rate	Overtime	Premium Rate
CLS- Contract Labor- Contract General Maintenance	\$150.00	\$225.00	\$300.00
FLD- Field Labor Advanced Engine Tech	\$205.00	\$307.50	\$410.00
AES- AES- Electrical Group	\$240.00	\$360.00	\$480.00

3. On Call services shall be billed at the preferred customer labor rates as stated herein.
4. All call outs requested OFF normal business hours; Monday through Friday, Saturdays, Sundays, and Holidays will be required to pay an hourly minimum of four (4) hours according to the prevailing billable rates.
5. Pricing does not include the necessary 2–6-hour utility outage per building. COUNTY is responsible to coordinate with utility company.
6. Materials billed as needed and authorized. Examples: Engine Oil, Oil Filter(s), Fuel Filter(s), Air Filter(s).
7. CONTRACTOR to submit invoices upon completion of deliverables.
8. CONTRACTOR is responsible for any audit exceptions or disallowed costs incurred by its own organization or that of its subcontractors.
9. No payments in advance or in anticipation of services or supplies to be provided under this Agreement shall be made by COUNTY.
10. COUNTY shall not pay any claims for payment of services submitted more than twelve (12) months after the calendar month in which the services were completed.
11. Services used during the holidays will be charged at applicable overtime rate. Holidays are defined as:
 - Memorial Day
 - Labor Day
 - Thanksgiving
 - Christmas Day
 - New Year's Day
12. COUNTY and CONTRACTOR agree that CONTRACTOR shall be reimbursed for travel expenses during this Agreement. CONTRACTOR shall receive compensation for travel expenses as per the Monterey County Travel and Business Expense Reimbursement Policy. A copy of the policy is available online at <https://www.co.monterey.ca.us/government/departments-a-h/auditor-controller/policies-and-procedures> To receive reimbursement, CONTRACTOR must provide a detailed breakdown of authorized expenses, identifying what was expended and when.

13. **Prevailing Wages:** This Agreement involves the performance of electrical services upon publicly owned or operated facilities requiring the payment of prevailing wages.

- **Prevailing Wages:** CONTRACTOR shall comply with provisions of the Labor Code (sections 1720, et seq.) governing public works, including payment of prevailing wages, payroll records and employment of apprentices. Copies of the determination of the general prevailing rate of per diem wages are available to interested parties at: <http://www.dir.ca.gov/dlsr/DPreWageDetermination.htm>.
- **DIR Registration:** During the entire term of this Agreement CONTRACTOR shall be registered with the California Department of Industrial Relations as a Public Works Contractor pursuant to Division 2, Part 7, Chapter 1, commencing with section 1720 of the California Labor Code. CONTRACTOR shall also fully comply with all SB 854 requirements.
- **Posting of Prevailing Wages at Job Site:** CONTRACTOR and COUNTY agree that CONTRACTOR shall be responsible for posting a copy of the determination of the prevailing wage rate of per diem wages at each job site for which CONTRACTOR provides services under this agreement to remain compliant with California Labor Code 1773.2.

E. WARRANTIES:

- a. **Limited Parts Warranty:** Except for Caterpillar batteries, service tools, ground engaging tools, Caterpillar tires, or non-Caterpillar parts which are covered under separate limited warranties, CONTRACTOR warrants new Caterpillar parts sold by CONTRACTOR are free from defects in materials and workmanship subject to the following provisions. During the first six (6) months after purchase of the part by DISTRICT, CONTRACTOR will, as an exclusive remedy, provide a new part or a repair part, whichever CONTRACTOR elects, in place of any part which in CONTRACTOR's sole judgment is found to be defective in material or workmanship. Such part will be provided without charge to COUNTY during normal working hours at CONTRACTOR's place of business, provided that the defective part is returned to CONTRACTOR's place of business. Any replacement part provided under the terms of this warranty is warranted for the remainder of the warranty period applicable to the part which it replaces. Receipt of parts by COUNTY acknowledges familiarity with applicable warranties. A copy of the appropriate limited warranty for Caterpillar batteries, services tools, ground engaging tools, Caterpillar tires, or non-Caterpillar parts is available to COUNTY upon request. CONTRACTOR shall not be responsible for any failures resulting from COUNTY's abuse, misuse, neglect, or improper installation or maintenance.
- b. **Limited 90 Day Services Warranty:** Except for reconditioned major components and complete machine rebuilds, which are covered under separate limited warranties, CONTRACTOR warrants the services to be free from defects in material and workmanship for a period of ninety (90) days from performance of such services. CONTRACTOR will, as an exclusive remedy, redo such services which in CONTRACTOR's sole judgment is found to be defective in material or workmanship within the 90-day warranty period, without charge to COUNTY. Any services redone under the terms of this warranty are warranted only for the remainder of the warranty period. A copy of the appropriate limited warranty for reconditioned major components or complete machine rebuilds will be provided to COUNTY upon request. CONTRACTOR shall not be responsible for any failures resulting from COUNTY's abuse, misuse, neglect, or improper maintenance.
- c. **WARRANTY DISCLAIMER:** Except for the express warranties set forth herein, CONTRACTOR makes no warranty, express or implied, oral or written, with respect to any

services or parts used to complete the services, including, but not limited to, any warranties of merchantability, fitness for a particular purpose, or title, whether arising by law, course of dealing, usage or trade, or otherwise. To the maximum extent permitted by law, all such warranties are hereby disclaimed by CONTRACTOR and waived by COUNTY.

- d. Voiding of Warranties: COUNTY, COUNTY's assigns, successors, purchasers, or any other person designated to operate and/or use the equipment to which the services apply as the end user, is responsible for operating and/or using the equipment to which the services apply in accordance with the manufacturer(s)'s recommendations and specifications. The services warranty, manufacturer(s)'s warranties, and/or parts warranty may be voided if the equipment is altered in any manner before or after the services, or if the equipment is not operated and/or used and/or maintained in accordance with manufacturer(s)'s specifications.

F. Customer Support Contact Information (Emergency Numbers): Quinn Power Systems will provide "On Call" emergency services 24 hours per day, 7 days a week with a response time of 4 hours or less.

For regular of emergency service, please call the following numbers:

During normal working hours (7:00AM to 03:30PM Monday - Friday) call:

Customer Service		(800) 789-9774
Sales Representative	Sam Vizcarra	(831) 750-4072
CSA Manager	David Covell	(562) 463-6082
CSA Coordinator	Michelle Salinas	(562) 463-6037
After hours, Saturdays, Sundays and holidays, call		(831) 758-8461

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<div>QUINN POWER SYSTEMS</div>		<div>CAT®</div>	<div>CSA PM LEVEL DESCRIPTIONS</div> <div>CSA & SUPPORT SERVICES (800) 789-9774 (562) 463-7151 Fax Customer #: 453100</div>	
<div>PM Level 1 Multi Point Inspection</div> <div><-----COVERED</div> <ul style="list-style-type: none">* Comprehensive detailed inspection of units is performed.* Check/Adjust all fluid levels and pressures for correct operation.* Check and inspect air cleaner restriction gauge and air filter element.* Check primary source fuel tank for water with water finding paste.* Check Day tank, Fuel tank, Fuel line fittings for leaks.* Check Cooling System hoses, caps, clamps for brittleness, leaks, cracks, and weakness.* Check battery voltages, charging rates, fluids, and specific gravities / IGV's.* Engine cranking Batteries will be tested under start up load for voltage drop.* Block Heater elements and inlet/outlet t-slats are checked for proper output and operation.* Engine Fan Drive and Belts are inspected and adjusted for proper tension and condition.* Check Turbo Charger rotation / end play if so equipped.* Check generator brushes for proper tension/setting as equipped.* Check and document Control Panel instruments for proper operation and values.* Grease bearings, fan shafts, linkages, and equipment fittings as required.* Hot oil sample taken and submitted for analysis.* Test safety alarms and contacts.* Run unit under load for up to 15 minutes when authorized by site authority.* Submit report to customer.			<div>PM Level 3 - Cooling System Service</div> <ul style="list-style-type: none">* Drain, contain and dispose of waste coolant.* Replace all coolant hoses and clamps.* Replaced the radiator pressure cap(s)* Replaced the engine thermostat(s) and associated gasket(s).* Replaced the engine fan belt(s) and alternator drive belt(s).* Refill system with proper amount of glycol antifreeze and conditioners.* Test run unit to operating temperature, under load when authorized by site personnel.* Return unit back to original mode of operation.* Submit report to customer.	
<div>PM Level 2 Annual Service-Major w/ Multi Point Inspection</div> <div><-----COVERED</div> <ul style="list-style-type: none">* All items from PM Level 1 are performed, PLUS* Change crankcase oil, oil filter(s), fuel filter(s), water separator(s) as equipped. Optional Air Filter cost = \$1,301.00* Draw fuel system sample for analysis.* Submit report to customer.			<div>PM Level 7 - Starting Battery Replacement</div> <ul style="list-style-type: none">* Engine cranking batteries are removed and replaced.* Engine cranking batteries will be tested under start up load for voltage drop.* Old Battery disposal is provided.* Test run unit without load.* Return unit back to original mode of operation.* Submit report to customer.	
<div>PM Level 4 Minor Inspection</div> <ul style="list-style-type: none">* Perform general walk around inspection of unit.* Fluid levels are spot checked for correct operating range.* Inspect air filter element.* Fuel tank/engine fuel line fittings are inspected for leaks and tighten as required.* Coolant hoses inspected for brittleness, leaks, cracks, and weakness.* Engine cranking batteries will be tested under start up load for voltage drop.* Jacket water heater element & thermostats are checked for proper operation.* Engine drive belts inspected for proper tension and condition.* Control panel instruments checked for proper operation.* Unit is run for 10 minutes, under no load.* Return unit back to original mode of operation.* Submit report to customer.			<div>PM Level 11 - Automatic Transfer Switch Service</div> <div><-----COVERED</div> <ul style="list-style-type: none">* De-energize the transfer switch, when possible.* Clean unit of dust and dirt accumulations.* Clean open-type relays of dust/grease or oil.* Visually inspect unit for signs of arching, burning, hot spots, charring, or other damages.* Inspect for loose, broken or badly worn parts.* Check terminal lugs and trip units for tightness / signs of overheating.* Check main current carrying contacts for arching, pitting, and discoloration.* Clean main contacts if needed, check and re-tighten if needed.* Check manual switches for free movement and contact continuity.* Check and adjust relay finger contacts if needed.* Lubricate all components for proper operation as needed.* Check plug connections, if equipped.* Check door closure, locking bars and handle mechanism for proper operation.* Check exercise timer if equipped.* Perform transfer test of ATS under load when authorized by site personnel.* Check all components/timers for proper operation and sequencing.* Check main power connections for heat build-up with infra-red gun or provide optional PM Infra-Red scan.* Timers reset to customer specifications and placed in automatic mode.* Return unit back to original mode of operation.* Submit report to customer.	
<div>PM Level 5 - Loadbank Test</div> <div><-----COVERED</div> <ul style="list-style-type: none">* Provide resistive load bank as applicable to generator.* Run Test with requested load for 4 hours test duration* Record reading every 15 minutes at 100% of name plate rating for above duration* Disconnect load bank from unit.* Return unit back to original mode of operation.* Provide recommendation based on test results.* Submit report to customer.			<div>PM Level 17 - Infra-Red Thermography Inspection</div> <ul style="list-style-type: none">* Problems can develop when electrical components generate excessive heat due to deterioration, loose connections, or overloads. An Infra-Red inspection is recommended to be performed on all of the following areas: generator output connections, cables, bus, and generator breakers, while system is energized. <div>Inspection consist of:</div> <ul style="list-style-type: none">* Set-up of Thermo graphic Imaging Infra-Red camera.* Conduct infra-red scanning inspection.* High resolution photographs will accompany recommendations for corrective action or repair, and will assist overall as a critical part of any complete predictive or conditional based maintenance program.* Submit report to customer after technical review has been completed.	
<div>PM Level 8 - Fuel Sampling</div> <div><-----COVERED</div> <ul style="list-style-type: none">* Draw fuel sample from fuel tank & submit to lab for analysis during PM Services* Provide report to customer.			<div>PM Level 22 - UPS Service</div> <ul style="list-style-type: none">* Services include manufacturer recommended equipment service & inspection for ir and rotary type systems* Performance will be based upon the specific manufacturer scopes of work and whether or not the equipment is energized or de-energized.* All services are performed only as unit is equipped and as our technician is authorized.* Submit report to customer.	
<div>PM Level 9 - Fuel Polishing</div> <ul style="list-style-type: none">* Restores fuel to optimum condition by eliminating entrained & suspended contaminants* All particulates filtered down to 10 microns* Removal & disposal of all bottom water, kills bacteria & fungus, apply diesel treatment* Provide report to customer.				
<div>PM Level 10 - Megohmmeter Alternator Winding</div> <ul style="list-style-type: none">* This test should be performed as part of periodic maintenance in order to detect the deterioration of the winding insulation.* Perform megohmmeter test on generator winding and measure winding insulation resistance.* Submit report to customer.				

Continued Exhibit A-4-

ATS Testing Main Bldg. – Qty. 9 & Bldg. 400, Qty. 3

- I. The following apparatus shall be tested in accordance with Section: Preventative Maintenance Schedule "Main Building ATSs and 400 Building ATSs.

a. **Automatic Transfer Switches**

1. Main Building:

ATS - 1: MODEL# RTBD-20004CEF
SERIAL# 21908-4B
VOLTS: 480
AMPS: 2000

ATS -2: MODEL# RTBD-10004CEF
SERIAL # 21908-70
VOLTS: 480
AMPS: 1000

ATS-3 MODEL# RTBD-12003CEF
SERIAL# 21908-6B
VOLTS: 480
AMPS: 1200

ATS -4 MODEL# RTBD-12003CEF
SERIAL# 21908-60
VOLTS: 480
AMPS: 1200

ATS-5: MODEL# RTBD-6003CEF
SERIAL# 21908-80
VOLTS: 480
AMPS: 600

ATS -6: MODEL# RTBD-6003CEF
SERIAL # 21908-80
VOLTS: 480
AMPS: 600

ATS -EC1 MODEL# RTBD-10004CEF
SERIAL # 21908-7B
VOLTS: 480
AMPS: 1000

ATS -ELI MODEL# RTBD-2604CEF
SERIAL # 21908-9B
VOLTS: 480
AMPS: 260

ATS -ERi: MODEL# RTBD-20003CEF
SERIAL# 21908-5B
VOLTS: 480
AMPS: 2000

2. 400 Building:

ATS -EC MODEL# RTBD 4004CEF
SERIAL # 21908-IOB
VOLTS: 480
AMPS: 400

ATS -EE MODEL# RTBD-2603CEF
SERIAL# 21908-118
VOLTS: 480
AMPS: 260

ATS - EL MODEL# RTBD-1004CEF
SERIAL # 21908-12B
VOLTS: 480
AMPS: 100

b. PROCEDURES:

1. Automatic Transfer Switches

i. Visual and Mechanical Inspection

- a. Documentation of equipment nameplate data.
- b. Inspection for physical damage and anchorage.
- c. Verification of proper manual transfer operation if permissible by customer.
- d. Verification that manual transfer instructions and warning labels are installed and visible.
- e. Cleaning and lubrication of transfer mechanism, as required, Verification of alignment and operation in accordance with manufacturer's instructions.
- f. Verification of proper operation of all mechanical and electrical interlocks.
- g. Verification of tightness of all cable connections, control connections, and bus joints.
- h. Verification of proper operation of manual transfer, bypass, and isolation functions as applicable.

ii. Electrical Tests

1. Verification of operation and timing of the following items as applicable:
 - "Normal" voltage sensing relays
 - "Alternate" voltage sensing relays.
 - Test switch
 - Engine start sequence.
 - Time delay upon transfer
 - Alternate voltage sensing relay.
 - Time delay and re-transfer upon normal power restoration.
 - Engine cool-down time delay and shutdown.
2. Contact resistance measurements on each pole.
3. Voltage drop testing of phase-to-phase.

Continued Exhibit A-4- Breakers and Relays Testing

I. SCOPE: Annual Generator Paralleling Switchgear Maintenance Testing

All testing will be performed using either “As Found” coordination settings or those supplied to Quinn Prior to testing.

II. PROCEDURES:

a. Breakers. Quantity- 11

Two (2) 3200-amp breakers; Six (6) 1600-amp breakers; Three (3) 200-amp breakers

Perform secondary injection testing of the circuit breakers per NETA MTS 2103 guidelines. Verify coordination study set points if provided.

b. Ground Fault Relays. Quantity – 9

Perform Ground Fault relay verification per NETA MTS 2013 guidelines.

c. Reverse Power Relays. Quantity- 2

Perform Verification of the Relays Utilizing a Doble F6150.