TENDER DOCUMENT

Department of Family and Human Services Housing Services

Cardigan Seniors Housing

Generator Upgrade

Department of Family and Human Services Housing Services

Generator Upgrade as per attached draft contract for:

Cardigan Seniors Housing located at 31 Victoria Street, Cardigan, PEI

The Bid form must be addressed and delivered by hand or mail, in a sealed envelope and marked:

"Cardigan Seniors Housing - Generator Upgrade"

to:

Department of Family and Human Services
Housing Services
161 St. Peters Road
Charlottetown, PE
C1A 7N8

on or before Thursday July 20, 2017 at 2:00 p.m., Atlantic Standard Time

Please note the following:

- Lowest or any tender not necessarily accepted Family and Human Services reserves the right to accept or reject any or all bids.
- Faxed submissions will not be accepted.
- Late submissions will not be accepted.
- The contract will be awarded based on the bidder whose bid provides the greatest value based on quality, service, and price.
- The successful bidder will be required to execute the attached contract, including providing appropriate certificate of insurance and certificate of good standing by the Workers Compensation Board prior to commencing work at any site.
- No site meeting is required. If questions arise, contact 902-368-5770.
- Services may not be contracted with individuals who have not attained the legal age of 18 years.
- Completion date is October 20, 2017.

Bid Form for Department of Family and Human Services "Cardigan Seniors Housing - Generator Upgrade" Submitted by:

Contractor		
Address		
Telephone		
To: I	Housing 161 St. P Charlott	mily and Human Services g Services Peters Road tetown, PE A 7N8
HEREBY OFFER to furn completion for "Generat install at the location ider force at this date but sha which may be applicable the Department of Family	ish all materials ar or Upgrade" at the atom at the atom. This all not include any a subsequent to this y and Human Serv	s project as well as any addenda issued, WE and labour necessary for the full and proper the location identified above and supply and is bid shall <i>include all applicable taxes</i> in additional or deductible allowances or taxes is date, and which shall be payable by or to vices, in accordance with the above to include dumpage fees.
TOTAL COST		Dollars
in lawful money of Canad	da (\$).
requested by any appen-	dices, as well as the pt any tender at pi	necessity to complete the information he right of the Department of Family and rice submitted on the condition that revised ges are made.
In the event of this tende	er being accepted,	we are prepared to commence work on:
	and com	plete our work by:
If we are notified of the a	acceptance of this	tender within the specified time, we will:
Human Services.		ent with the Department of Family and ore the dates stated.
,		
This tender includes the	following addenda	a(s):
Addendum #	Date	<u>Initial</u>
Date	(To be signed by	an Officer of the Company or Sole Owner)

THIS A	AGREEMENT	made this	day of	, 2017
BETW	EEN:		OF PRINCE EDWAR	RD ISLAND, as represented by
		(hereinafter referred	d to as the "Governmen	t ^u)
				OF THE FIRST PART
AND:		a body corporate, d and having its head		the laws of Prince Edward Island
		(hereinafter referre	d to as the "Contractor"	")
				OF THE SECOND PART
	REAS the Gov oed in Schedul		ngage the services of the	e Contractor to carry out the work
	WHEREAS the terms and cor		eed to provide the Gove	ernment with these services on
NOW follow		the parties agree tha	t the terms and condition	ons of their relationship are as
Cover	ants of the C	ontractor and the G	overnment	
1.	1. The Contractor shall perform the services, assume all those responsibilities and diligently execute all those duties described in the attached Schedule "A" (the "work"), in a manner satisfactory to the Government.			ose responsibilities and diligently le "A" (the "work"), in a manner
2.	a. Subje	Subject to the termination clause, the term of this agreement shall commence on the day of and end on the day of		
	signir comm of of all	ng of this agreement, menced the performar It is further applicable taxes, is t	it is acknowledged by lace of the duties as set of agreed that the contract the maximum for the pr	nt and notwithstanding the date of both parties that the Contractor out to this contract on the day of sum of \$ inclusive oject and includes all amounts day of,
<u>Paym</u>	ents, Records	and Accounts		
3.	The Governm	ment shall make payn	nents to the Contractor	in the following manner:
	\$shall Such	, inclusive of be paid upon the bas	fall applicable taxes. This of the submission of the fovernments.	t shall be for a fixed lump sum of the payments described herein an invoice by the Contractor. Ent and the Government shall pay
	billed. work.	The hold back shall	be paid upon the comp	ount equal to 15% of the amount pletion of and acceptance of the approval by the Government
Initial Date	s/			Page 1 of 16

Conditions and Records of Employment

- a. The parties agree that the Contractor shall act as an independent contractor and that it is entitled to no other benefits or payments whatsoever than those specified in paragraph 3 hereof.
 - b. The parties agree that entry into this agreement will not result in the appointment or employment of the Contractor as an officer, clerk or employee of the Government, nor shall the *Civil Service Act*, R.S.P.E.I. 1988, Cap. C-8 apply.
- 5.

 a. The Contractor agrees to accept sole responsibility to submit any applications, reports, payments or contributions for Sales Taxes, Income Tax, Canada Pension Plan, Employment Insurance, Workers Compensation assessments, Harmonized Sales Tax or any other similar matter which the Contractor may be required by law to make in connection with the work to be performed under this Agreement.
 - b. The Contractor agrees to accept sole responsibility to comply with all Federal,
 Provincial and Municipal legislation which may have application to the work being
 performed under this Agreement.
 - c. The Contractor, before undertaking any work under this Agreement, shall provide a certificate of good standing by the Workers Compensation Board.
 - d. The Contractor shall comply with all provincial and federal legislation affecting conditions of work and wage rates including the *Employment Standards Act* R.S.P.E.I. 1988, Cap W-3, the *Workers Compensation Act* R.S.P.E.I. 1994 Cap 67, or any other laws that impose obligations in the nature of employers' obligations.
 - e. The Contractor agrees to accept the full cost of doing those things required under sub-paragraphs 5 (a), 5 (b), 5 (c) and 5 (d) above, and will not charge or seek reimbursement from the Government in any way; such costs having been taken into consideration and included in the rates of payment stipulated in paragraph 3 above.

Reports and Administration

- 6. The work is to be performed at the location set forth in Schedule "A".
- 7. The Government shall provide such support, direction, decisions and information as it deems necessary or appropriate under this Agreement and may appoint a person to administer this agreement and direct the activities of the Contractor.

Termination of Agreement

8. Notwithstanding other provisions of this Agreement, the Government may terminate this Agreement in its entirety, or any part thereof, at any time by a notice in writing, signed by or on behalf of the Government and either delivered to the Contractor or mailed to the Contractor's address at the last-known place of business. This agreement shall be determined to have ended upon the date of delivery, sending by electronic communications or mailing of such notice in which event the Contractor shall have no further claim against the Government, except for the following: The Contractor will be paid pursuant to and in accordance with paragraph 3 for the work performed up to the date of termination by written notice. Such payment shall include all firm commitments made by the Contractor prior to the receipt of the notice and for which the Contractor is liable for payment, less

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any sums paid by the Government or the 'Contractor on account.

Notice in this agreement is deemed to have been effected on the day of delivery in person, 9. facsimile, electronic communication, or upon mailing of the notice.

Conflict of Interest

- The Contractor warrants that as at the date of this Agreement, no conflict of interest, or 10. any circumstance that might interfere with independent and objective exercise of judgment, exists or is likely to arise in relation to execution of this Agreement or its subject matter. The Contractor shall immediately notify Government, in writing, if any such actual or potential conflict of interest should arise at any time during the Term. In the event Government discovers or is notified by the Contractor of an actual or potential conflict of interest, Government, in its sole discretion, may either:
 - allow the Contractor to resolve the actual or potential conflict to the satisfaction of (a) Government; or
 - terminate the Agreement in accordance with the Termination section of this (b) Agreement

Confidentiality

Any and all information, knowledge or data made available to the Contractor as a result of this Agreement shall be treated as confidential information. The Contractor will not directly or indirectly disclose or use it for purposes unrelated to the agreement at any time without first obtaining the written consent of the Government, unless the information, knowledge or data is generally available to the public.

Freedom of Information and Protection of Privacy Act

- Any information provided on this contract may be subject to release under the Freedom of 12. Information and Protection of Privacy Act. The Contractor may be consulted prior to release of any information.
- Contractors whose work for government involves the collection or use of personal 13. information are subject to the Freedom of Information and Protection of Privacy Act. Personal information may not be released to any third party or unauthorized individual.

Indemnification and Assumption of Liability

- The Contractor shall indemnify and hold harmless the Government, its agents, 14. representatives and employees from and against all claims, demands, losses, costs, damages, actions, suits or proceedings of every nature and kind whatsoever arising out of or resulting from the performance of work (herein called the "claims"), provided that any such claim is caused in whole or in part by any act, error or omission, including, but not limited to, those of negligence of the Contractor or anyone directly or indirectly employed by the Contractor or anyone for whom the Contractor may be liable.
- 15. The Contractor shall maintain, as a minimum, general liability insurance providing a. not less than Two Million Dollars (\$2,000,000) coverage and shall add the Government as an additional insured and provide whatever information the Government may require on the insurance that is available.
 - Automobile liability insurance with limits of at least Two Million Dollars b. (\$2,000,000) on all owned, leased or rented vehicles licensed to drive on a highway.

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Date /	

- c. The Contractor shall be responsible for all materials and equipment forming part of the contract until such time as they have been installed and accepted by Government in accordance with this agreement and attached Schedule "A" herein, the Contractor may, at its option and cost, protect its interests with insurance.
- d. The policy shall include, but not be limited to, bodily and personal injury, property damage, non-owned automobile liability, cross liability, blanket contractual liability and 30 days' notice of cancellation to the insured and the Government.
- e. The policy required by this Agreement shall be in a form and with insurers satisfactory to the Government. The foregoing insurance shall be primary and not require the sharing of any loss by any insurer of Government. A certificate of insurance shall be delivered to the Government prior to execution of the agreement. Default of delivery or receipt by the Government shall not be construed as acknowledgment or concurrence that there has been compliance with the terms of this agreement.

Subcontractors

16.

- a. The Contractor agrees that the list of names of subcontractors supplied prior to the signing of the Agreement, and attached as Schedule "B" to this Agreement, is the list of subcontractors intended to be used to carry out those parts of the work noted thereon. Said list is subject to approval by the Government, which approval shall not be unreasonably withheld. The Contractor shall not employ any subcontractor to whom the Government may reasonably object.
- b. In the event that approval is obtained, the Contractor shall be responsible for ensuring that any and all subcontractors shall have the same insurance that the Contractor is required to have under this contract.
- c. If the change of any name on the subcontractor list is required by the Government, and the work has to be awarded to a higher bidder, the contract sum shall be increased by the difference between the two bids.
- d. The Contractor acknowledges that this Agreement does not create any contractual relations between the Government and any subcontractor which the Contractor employs, and the Contractor shall make no such assertions or promises of that nature to any subcontractor.

Entire Agreement

- 17. This agreement shall not be assigned or subcontracted in whole or in part by the Contractor without the prior written consent of the Government.
- 18. This agreement shall enure to the benefit of and be binding upon the parties hereto and, subject to above assignment and subcontracting clause, their executors, administrators, successors and assigns.
- 19. This agreement shall be interpreted and applied in accordance with the laws and in the Courts of the Province of Prince Edward Island.
- 20. This agreement, including Schedules "A" and "B", constitutes and expresses the entire agreement of the parties hereto and any amendment or addition thereto shall be in writing and signed by the respective parties.

Initials _	/	
Date	1	

21. The headings are inserted in this A the Agreement.	greeme	ent for reference only and shall not form part of
IN WITNESS WHEREOF the parties th year above written.	ereto ha	ave executed this Agreement as of the day and
SIGNED, SEALED & DELIVERED in the presence of:))))	Government of Prince Edward Island, as represented by the Minister of Family and Human Services
SIGNED, SEALED & DELIVERED in the presence of:))) -)	

SCHEDULE "A"

"THE WORK"

	Contract between the <u>Government of Prince Edward Island</u> anddated th day of, 2017
1.	The Contractor shall supply all materials, labour, and equipment required to remove, dispose of, and replace the existing generator at Cardigan Seniors Housing, 31 Victoria Street, Cardigan, PEI.
2.	The Contractor shall carry out work as per plans and specifications attached: a. Schedule C - Generator Specifications b. Schedule D - Existing Generator - Electrical Schematic c. Schedule E - Revised Generator - Electrical Schematic d. Schedule F - Generator - Installation Details
3.	 The Contractor shall: a. shall include all cost for propane installation of piping, a full tank of propane and rental for the 1st year. A metal guard must be install over propane lin to generator b. propane supplier is Superior Propane, the contact is Don Peters and he can be reached at 1-902-388-0587 to set up installation. c. delivery address for propane is Cardigan Seniors Housing, located at 31 Victoria Street, Cardigan, PE d. billing address is Housing Services, 41 Wood Island Road Po Box 1500Montague, PE, C0a 1R0 e. submit to the electrical inspector an application for the work to be inspected, provide owner with a copy of the approval from the electrical inspector f. install 6 inch steel bollards, filled with concrete and painted yellow. These bollards are to be spaced 4 feet apart with 4 in the front of generator and 2 on the sides. Propane tank must be protected by bollards. Bollards are to be 4 feet in ground and 4 feet above ground.
4.	The Contractor shall: a. work site for the safe passage of persons to and from the buildings; b. remove rubbish and debris from the site on a daily basis; c. be responsible for the repair of any damage to the building, units, tenant property or grounds resulting from the work of this Agreement.

Initials		
Date	/	

SCHEDULE "B"

"THE SUBCONTRACTORS"

To Contract between the Government of Prince Edward Island and ______dated the ____ day of ______, 2017

carry out those parts of the work noted t	g is the list of subcontractors intended to be used thereon. Said list is subject to approval by the unreasonably withheld. The Contractor shall not government may reasonably object.
 Subcontractor	Work to be Provided

Long-	
 AN- 11	

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SCHEDULE "C"

"GENERATOR SPECIFICATIONS"

To Contract between the Government of Prince Edward Island and		
the day of, 2017		

PEI Housing

STANDBY PROPANE GENERATOR
SPECIFICATION
For
Cardigan Seniors Housing

Prepared for:

PEI Housing Charlottetown, PE

Prepared by:

Richardson Associates (1993) Limited Consulting Engineers P. O. Box 1057, 565 North River Road, Suite 1 Charlottetown, PE C1A 7M4 Date:

June 19, 2017

Initials		
Date	/	

Specification

1. Introduction

1.1. The Scope of Work involves the supply, delivery, testing and commissioning of a new 8 KW standby generator at Cardigan Seniors Housing, located at 31 Victoria Street, Cardigan, PE. In addition the contractor shall provide technical support and assistance to the Owner's Representative during the installation as outlined in this attached Specification.

2. General Provisions

2.1. Scope of Work

- 2.1.1. It is the intent of this specification to supply and install an emergency standby generator set together with all accessories necessary for a complete installation as shown on the plans and drawings and specified herein. All equipment shall be new and of current production.
- 2.1.2. Any and all exceptions to the published specifications shall be subject to the approval of the engineer.
- 2.1.3. The generator shall be finished by a single manufacturer who shall be responsible for the design, coordination, and testing of the complete system. The entire system shall be installed in accordance to the specifications herein.
- 2.1.4. The equipment shall be provided by a manufacturer who maintains a service organization available twenty-four hours a day throughout the year.
- 2.1.5. The equipment shall be produced by a manufacturer who is ISO 9001 certified for the design, development, production, installation, and service of their complete product line.

2.2. General Requirements

2.2.1. It is the intent of this specification to secure an emergency generator set system that has been tested during design verification, production and at the final job site. The equipment supplied and installed shall meet the requirements of the latest edition of the Canadian Electrical Code, along with all applicable local codes and regulations. All equipment shall be new and of current production by a national firm that manufactures generator set and controls and assembles the generator sets as a complete and coordinated system. There will be one source responsibility for warranty, parts, and service through a local representative with factory-trained servicemen.

2.3. Submittals

- 2.3.1. The submittal shall include specification sheets showing all standard and optional accessories to be supplied, schematic wiring diagrams, dimension drawings, and interconnection diagrams identifying by terminal number, each required interconnection between the generator set, the transfer switch located in the main electrical room.
- 2.3.2. Engine-generator submittals shall include the following information:
 - 2.3.2.1. Factory published specification sheet indicating standard and optional accessories, ratings, etc.
 - 2.3.2.2. Manufacturer's catalog cut sheets of all auxiliary components such as isolators, battery charger, silencer, exhaust flex, main circuit breaker, etc.
 - 2.3.2.3. Dimensional elevation and layout drawings of the generator set and enclosure.
 - 2.3.2.4. Engine mechanical data at varying loads up to full load, including heat rejection, exhaust gas flows, combustion air and ventilation air flows, noise data, fuel consumption, etc.
 - 2.3.2.5. Generator electrical data including temperature and insulation data, cooling requirements, excitation ratings, voltage regulation, voltage regulator, efficiencies, waveform distortion and telephone influence factor.
 - 2.3.2.6. Control panel schematics.
 - 2.3.2.7. Oil sampling analysis, laboratory location, and information.

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- 2.3.2.8. Manufacturer's and Dealer's written warranty.
- 2.3.2.9. Emissions data

2.4. Codes and Standards

The generator set shall conform to the requirements of the following codes and standards:

- 2.4.1. CSA C22.2, No. 14 M91 Industrial Control Equipment.
- 2.4.2. UL2200. The generator set shall be listed to UL2200 or submit to an independent third party certification process to verify compliance as installed.
- 2.4.3. Unit shall be EPA/CARB compliant.

2.5. Related Sections

- 2.5.1. Division 3 Concrete
 - 2.5.1.1. Provide details of openings in concrete pad for General Contractor for preparation of concrete pad.

2.6. Work Included

- 2.6.1. Installation
 - 2.6.1.1. The work includes supplying and installing a complete integrated emergency generator system to provide an alternate source of power to the building emergency load in the event of a utility outage. The system consists of a propane generator set, weather tight enclosure, critical grade silencer with all related component accessories required for a complete system.
- 2.6.2. Fuel System
 - 2.6.2.1. Fuel shall be delivered to the unit from the owner's onsite propane storage tank. The Manufacturer shall make the final connections of the fuel line to the engine.
- 2.7. Requirements, Codes and Regulations
 - 2.7.1. The equipment supplied and installed shall meet the requirements of the current Edition of the CEC and all applicable local codes and regulations. All equipment shall be of new and current production.
- 2.8. Factory Production Testing
 - 2.8.1. The system manufacturer must certify that engine, generator, controls, and switchgear have been tested as complete system representative of engineering models. The manufacturer shall supply equipment that is a current factory production model.
 - 2.8.2. The Generator Set shall be tested in accordance with the power, voltage, and frequency shown on the generator set information plate.
 - 2.8.3. Site Tests
 - 2.8.3.1. Site Tests: An installation check, start-up, and building load test shall be performed by the manufacturer's local representative. The regular operators and the maintenance staff shall be notified of the time and date of the site test.
 - 2.8.3.2. Fuel and lubricating oil shall be checked for conformity to the manufacturer's recommendations, under the environmental conditions present and expected.
 - 2.8.3.3. Accessories that normally function while the set is standing by shall be checked prior to cranking the engine. These shall include: block heaters, battery charger, alternator strip heaters, etc.
 - 2.8.3.4. Start-up under test mode to check for exhaust leaks, path of exhaust gases outside the building, cooling air flow, movement during starting and stopping, vibration during running, normal and emergency line-to-line voltage and frequency, and phase rotation.
 - 2.8.3.5. Automatic start-up by means of simulated power outage to test remote-automatic starting, transfer of the load, and automatic shutdown. Prior to this test, all transfer switch timers shall be adjusted for proper system coordination. Engine temperature,

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Date	1	

oil pressure, and battery charge level along with generator set voltage, amperes, and frequency shall be monitored throughout the test. An external load bank shall be connected to the system if sufficient building load is unavailable to load the generator set to the nameplate kW rating.

2.9. Warranty & Maintenance

2.9.1. A Standard 2 year for the generator set shall be included to guarantee against defective material and workmanship in accordance with the manufacturer's published warranty from date of start-up. Optional warranties shall be available upon request.

2.10. Parts and Service Qualifications

- 2.10.1. Service Facility
 - 2.10.1.1. The engine-generator supplier shall have service facilities within 4 hours of the project site and maintain 24-hour parts and service capability. The distributor shall stock parts as needed to support the generator set package for this specific project.
- 2.10,2. Service Personnel
 - 2.10.2.1. The dealer shall maintain qualified, factory trained service personnel that can respond to an emergency call within 1 hour of notification.
- 3. Products
 - 3.1. Equipment
 - 3.1.1. The generator set shall be a Winco Inc., <u>PSS8B, 8 kW</u>. It shall provide <u>8.4 kW</u>/ 8.4 kV<u>A</u> when operating at 120/240 volts, 1.0 power factor.
 - 3.2. Engine
 - 3.2.1. The <u>570(cc)</u> displacement engine with overhead valve and electronic ignition and shall deliver have a governed speed of <u>3600 rpm</u>. The engine shall be equipped with the following:
 - 3.2.2. A mechanical governor capable of +/- 1.8 Hz steady-state frequency regulation.
 - 3.2.3. 12 Volt DC engine mounted alternator.
 - 3.2.4. The engine shall be fueled with L.P gas (Propane).
 - 3.2.5. Critical Grade glass packed silencer.
 - 3.2.6. Low oil pressure shut down.
 - 3.2.7. Hi oil temperature shutdown.
 - 3.3. Alternator
 - 3.3.1. Single phase 120/240 volt, 2 pole alternator with the following characteristics.
 - 3.3.2. +/- .5 % voltage regulation
 - 3.3.3. Class H insulation
 - 3.3.4. 1250/500C temperature rise.
 - 3.3.5. 100% copper windings.
 - 3.3.6. Weatherproof maintenance free bearings.
 - 3.3.7. < 5% harmonic Distortion.
 - 3.3.8. 2/3 Pitch rotor.
 - 3,3.9. 100% load acceptance in a single step.
 - 3.3.10. 3 stage battery charger
 - 3.3.11. Group 26, 500 CCA battery.
 - 3.4. Control Module
 - 3.4.1. 2 Wire control module to start engine upon a closure of a dry contact. The module shall provide detailed operating and diagnostic 3-position information through its digital display. Controller features shall include:
 - 3.4.1.1. Fail to Start
 - 3.4.1.2. Fail to Stop
 - 3,4.1.3. Low Oil Pressure
 - 3.4.1.4. High Engine Oil Temperature
 - 3.4.1.5. Under Frequency /Speed

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- 3.4.1.6. Over Frequency / Speed
- 3.4.1.7. Low Voltage
- 3.4.1.8. High Voltage
- 3.4.1.9. Battery Over/Under Voltage
- 3.4.1.10. Digital Display (RPM, V, HZ, BAT. V)

3.5. Accessories

- 3.5.1. Circuit Breaker 250 volt rated, molded case thermal magnetic type, generator mounted and rated for full load output of the generator.
- 3.5.2. Weather Enclosure. With Critical rated silencer and cap.

3.6. Automatic Transfer Switch

- 3.6.1. The automatic transfer switch shall be sized to the maximum capacity of the emergency generator and have an ampere rating equal or greater than the rating of the engine mounted circuit breaker.
- 3.6.2. Transfer switch shall be complete with a user friendly control interface with a 128 x 63 graphical LCD display and intuitive symbols for ease of operation
- 3.6.3. Transfer switch shall be complete with LED indicators for transfer switch status.
- 3.6.4. Transfer switch shall be UL 1008, and CSA approved.
- 3.6.5. Transfer switch shall be 2 pole with solid neutral
- 3.6.6. Transfer switch shall be supplied with "in-phase" monitor, and "engine exerciser".
- 3.6.7. Standard of Acceptance: ASCO, Series 300 complete with Accessories #11BE, and #22 and #27.

4. Execution

4.1. Installation

4.1.1. Install equipment in accordance with manufacturer's recommendations on the concrete pad provided. Coordinate installation with General Contractor and adhere to all applicable codes.

4.2. Start-Up and Testing

- 4.2.1. Coordinate all start-up and testing activities with the Engineer and Owner.
- 4.2.2. After installation is complete and normal power is available, the manufacturer's local dealer shall perform the following:
 - 4.2.2.1. Verify that the equipment is installed properly.
 - 4.2.2.2. Check all auxiliary devices for proper operation, including battery charger, etc.
 - 4.2.2.3. Test all alarms and safety shutdown devices for proper operation and annunciation.
 - 4.2.2.4. Check all fluid levels.
 - 4.2.2.5. Start engine and check for exhaust, oil, fuel leaks, vibrations, etc.
 - 4.2.2.6. Verify proper voltage at the transfer switch before connecting to the load.
 - 4.2.2.7. Connect the generator to building load and verify that the generator will start and run all designated loads in the plant.
 - 4.2.2.8. Program generator to perform weekly 30 minute engine test run please a monthly generator load test run for a period of 30 minutes.

4.3. Operation and Maintenance Manuals

4.3.1. Manuals Provided

4.3.2. Provide three (3) sets of operation and maintenance manuals covering the generator, switchgear, and auxiliary components. Include parts manuals, final as-built wiring interconnect diagrams and recommended preventative maintenance schedules.

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4.4. Training

- 4.4.1. On-Site Training
- 4.4.2. Provide one day of on-site training to instruct the Owner's personnel in the proper operation and maintenance of the equipment. Review operation and maintenance manuals, parts manuals, and emergency service procedures.

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SCHEDULE "D"

"EXISTING GENERATOR – ELECTRICAL SCHEMATIC"

		the day of	vard Island andda , 2017
	EXISTING HOUSE PANEL 60A-2P	EXISTING GENERATOR TO BE REMOVED. SEE NOTE 2. SEE NOTE 3 MANUAL TRANSFER SWITCH TO BE REMOVED. SEE NOTE 2	NOTES: 1. THIS CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH ALL CONDITIONS PERTAINING TO HIS WORK PRIOR TO SUBMITTING HIS TENDER. 2. REMOVE EXISTING GENERATOR AND ALL ASSOCIATED WIRING AFTER NEW GENERATOR IS INSTALLED. RETURN GENERATOR TO OWNER. 3. IT IS ELECTRICAL CONTRACTOR RESPONSIBILITY TO IDENTIFY EXISTING UNDERGROUND WIRING BEFORE TRENCHING. EXISTING GENERATOR PANEL.
project	PEI HOUSING CORPOR	ation — generator upgrade	
project detali drawn		ATION — GENERATOR UPGRADE — ELECTRICAL SCHEMATIC [opproved	RICHARDSON ASSOCIATES (1935) Limited (Projection Controls)

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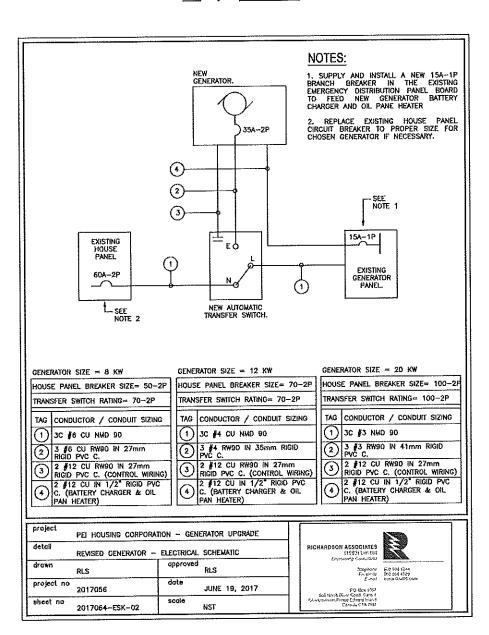
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Date	/

2017064-ESK-01

SCHEDULE "E"

"REVISED GENERATOR - ELECTRICAL SCHEMATIC"

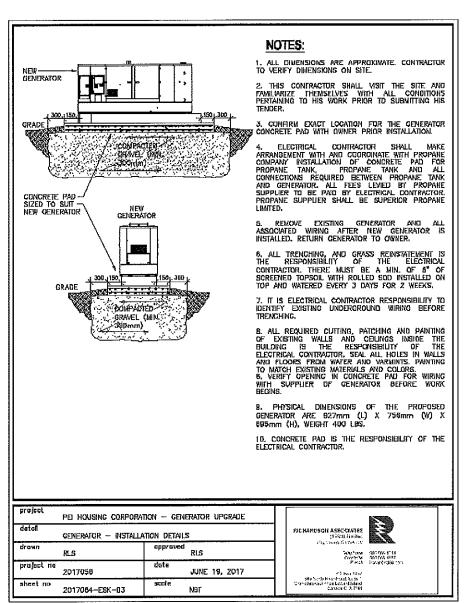
To Contract between the Government of Prince Edward Island and ______dated the ____ day of ______, 2017



SCHEDULE "F"

"GENERATOR - INSTALLATION DETAILS"

To Contract between the Government of Prince Edward Island and ______dated the ____ day of ______, 2017



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