



Invitation for Bids Solicitation

Solicitation Number: 181EQUIP

Solicitation Title: ICF/CRCF Portable Generators

Solicitation Description: Provide/Install Portable Generator/Transfer Switch/Docking Station for Several Locations

Procurement Agent: *Yvonne Kubacki*

Phone Number: *(864) 679-0220, extension 3817*

Email Address: ykubacki@thriveupstate.org

Submit Offer By (Opening Date/Time): Tuesday, January 29, 2019 at 11:00 A.M. (EST)

Number of Copies to be Submitted: *One (1) Original and Four (4) Copies (Marked 'Copy')*

Offers must be submitted in a sealed package. Submit your sealed offer to either of the following addresses:

Mailing Address:

Thrive Upstate

Attention: Purchasing Agent – Yvonne Kubacki

P.O. Box 17467

Greenville, SC 29606

Physical Address:

Thrive Upstate

Annex Building

Attention: Yvonne Kubacki – Purchasing Agent

Room #131

1700 Ridge Road

Greenville, SC 29607



Invitation for Bids Solicitation

(Please return this page with your bid proposal.)

Name of Bidder/Vendor: _____

Authorized Signature: _____

Title: _____

Printed Name: _____

Signature: _____

Date: _____

Bidder/Vendor Address: _____

Bidder/Vendor Phone Number: _____

Bidder/Vendor Email Address: _____

Taxpayer Identification Number: _____



Thrive Upstate Owner Representatives

Yvonne Kubacki, Purchasing Agent
(864) 679-0220, extension 3817
ykubacki@thriveupstate.org
Contact for Bidding Process

Al Hill, Director of Operations
(864) 679-0220, extension 3816
(864) 293-1819
Al.hill@thriveupstate.org
Contact for Bid Specifications

Bid Packet Proposal Requirements

- Invitation to Bid Form
- Signed Illegal Immigration Form
- Proof of Liability Insurance Coverage
- Proof of Worker's Compensation Coverage
- Proof of CSA Certification

Thrive Upstate reserves the right to accept or reject any and all bids that are not in the best interest of Thrive Upstate and to waive any informality in the bidding process.



ILLEGAL IMMIGRATION (NOV. 2008): (An overview is available at www.procurement.sc.gov) By signing your offer, you certify that you will comply with the applicable requirements of Title 8, Chapter 14 of the South Carolina Code of Laws and agree to provide to the State upon request any documentation required to establish either: (a) that Title 8, Chapter 14 is inapplicable to you and your subcontractors or sub-subcontractors; or (b) that you and your subcontractors or sub-subcontractors are in compliance with Title 8, Chapter 14. Pursuant to Section 8-14-60, "A person who knowingly makes or files any false, fictitious, or fraudulent document, statement, or report pursuant to this chapter is guilty of a felony, and, upon conviction, must be fined within the discretion of the court or imprisoned for not more than five years, or both." You agree to include in any contracts with your subcontractors language requiring your subcontractors to (a) comply with the applicable requirements of Title 8, Chapter 14, and (b) include in their contracts with the sub-subcontractors language requiring the sub-subcontractors to comply with the applicable requirements of Title 8, Chapter 14. [07-7B097-1]

By signing below, I have read the above clause of the South Carolina Illegal Immigration Act and certify that I will comply.

Signature/Date

Vendor/Company Name



Specifications for Bid #181Equip-A
Provide and Install Generator and Automatic Transfer Switch

Property Location: Travelers Rest ICF – 252 Little Texas Road,
Travelers Rest, SC 29690

- Location needs a 22kw propane gas generator with a voltage rating of 120/240 volts single phase.
- Automatic transfer switch rated at 200 amp 120/240 volts. The automatic transfer switch will be installed outside near the facility's utility meter. Needs to be a service rated automatic transfer switch with load shed capability. The back-up heater will be load shed.
- Install a generator ready concrete pad.
- Provide and install piping to generator from propane second stage regulator.
- Propane tank and piping from tank to building by others.
- Provide the standard warranty information for parts and labor. If an upgraded warranty is available, include information in proposal.
- Provide one year of preventive maintenance on the equipment.
- Provide one year of remote 24/7 monitoring. Monitoring should include monthly reports and notice of when the generator is running or has a fault.



Specifications for Bid #181Equip-B
Portable Generator with Trailer

- Provide one towable diesel generator and trailer.

Minimum Engine Specifications

- ✓ Turbocharged, after-cooled diesel engine
- ✓ Prime – 57 hp, 42.8 kWm @1800 rpm
- ✓ Standby – 63.7 hp, 47.5 kWm @1800 rpm
- ✓ 4 Cylinder
- ✓ 2.2 L Displacement
- ✓ EPA final tier 4 approved
- ✓ Polyethylene, single wall fuel tank. 100 gallon (378.5 L) capacity. 27 hour run time – full load. Fuel tank built into skid of generator set. 120% containment
- ✓ Cooling system capable of operating at 120° F (49° C) ambient
- ✓ Radiator and oil drains plumbed to exterior
- ✓ Rubber vibration dampers isolate engine/generator from frame
- ✓ Disposable air filter – paper element
- ✓ Air cleaner restriction indicator
- ✓ 60 Hz engine/generator
- ✓ Electronic isochronous governing
- ✓ Idle Switch

Specifications for Bid #181Equip-B **Portable Generator with Trailer**

Minimum Generator Specifications

- ✓ Electric super-start
- ✓ Brushless
- ✓ 4 Pole
- ✓ Class H insulation
- ✓ Voltage regulation +/- 0.5% with Magnum PM600 voltage regulator

Minimum System Outputs

- ✓ 3 Position selectors switch
 - Single phase – 120/240V Zig Zag
 - Three Phase – 120/208V Low Wye
 - Three Phase – 277/480V High Wye
- ✓ 33 kW/33 kVA – standby, single phase
- ✓ 30 kW/30 kVA – prime, single phase
- ✓ 40 kW/50 kVA – standby, three phase
- ✓ 36 kW/45 kVA – prime, three phase

Minimum System Controls

- ✓ Controller and display
 - Backlit, 800x480 pixel resolution color display
 - -40° F to 185° F (-40° C to 85° C) operating temperature range
 - Automatic coarse voltage adjustment
 - Integrated fine voltage adjustment
 - PLC functionality

Specifications for Bid #181Equip-B **Portable Generator with Trailer**

- ✓ Push buttons for easy operation
 - Manual or auto start
 - Engine start
 - Engine stop/reset
 - Alarm mute
 - Operator screens
 - Home
 - Engine
 - Generator
 - Voltage adjust

- ✓ Scrolling arrows for diagnostic information
 - Engine diagnostic display
 - Oil pressure
 - Engine temperature
 - Fuel level
 - Battery
 - After treatment inlet/outlet temperature
 - Ash/soot levels
 - Generator diagnostic display
 - System kW output display
 - Line output and frequency display
 - Alarms
 - Warning
 - Shutdown
 - Electrical trip
 - Engine

Specifications for Bid #181Equip-B **Portable Generator with Trailer**

- Alarm list – warnings/shutdowns; 250 event history log – date/time stamp
 - Fuel level: warning – 15%; shutdown – 5%
 - Over speed protection: shutdown – 115%
 - Oil pressure: warning – 25 psi; shutdown – 20 psi
 - Coolant temperature warning: 220°F (104° C) shutdown; shutdown - 230° F (110° C)
 - Battery voltage: over – 15VDC; under – 11VDC
 - Generator over voltage warning: 110%; electrical trip – 111%
 - Generator under voltage warning: 87%; electrical trip – 86%
 - Generator over frequency warning: 105%; electrical trip – 110%
 - Generator under frequency warning: 95%; electrical trip – 90%
 - Inputs/outputs
 - Auto schedule
 - Status
- Configuration of controller, firmware and connections

Specifications for Bid #181Equip-B
Portable Generator with Trailer

Minimum Electrical Controls

- ✓ Remote start/stop contacts located in lug box
- ✓ Lockable control box door with diagnostics window
- ✓ Lockable lug box with safety switch
 - Trips main breaker when door is opened
 - Disables voltage regulator
- ✓ Output ground connection lug inside lug box
- ✓ 225A main breaker with shunt trip
- ✓ Convenience receptacles with individual breakers (restricted use in high wye mode)
 - (2) 120V 20 Amp GFCI duplex outlets – (NEMA 5-20R type)
 - (3) 125/250V 50 Amp, 3 pole, 4 wire twist-lock (Non-NEMA 6369)
- ✓ Voltage adjustment integrated into power zone controller, +/- 10%
- ✓ 720 CCA wet cell battery
- ✓ Battery disconnect
- ✓ Panel lighting for breakers, lugs, and selector switch

Specifications for Bid #181Equip-B **Portable Generator with Trailer**

Minimum Enclosure Requirements

- ✓ Aluminum, sound attenuated enclosure
 - UV & fade resistant, high temperature cured, white polyester powder paint
 - Insulated and baffled
 - 65 dB(A) at 23 ft. (7m) – prime power
- ✓ Fully lockable enclosure including doors and fuel fill
- ✓ Emergency stop switch located on outside of enclosure
- ✓ Central lifting point
- ✓ Multi-lingual operating/safety decals
- ✓ Document holder with operating manual including AC/DC wiring diagrams
- ✓ Interior cabinet lighting

Minimum Trailer Requirements

- ✓ DOT approved tail, side, brake, and directional light – LED
- ✓ Transportation tie downs
- ✓ Safety chains with spring loaded safety hooks
- ✓ 2 Inch (50.8 mm) ball hitch
- ✓ 5,000 lb. (2268 kg) axle
- ✓ 2,000 lb. (907 kg) tongue jack with footplate
- ✓ P225/75 R15 Tubeless tire – 6 ply
- ✓ Weight and dimensions
 - Dry weight: 2,843 lbs. (1,290 kg)
 - Operating weight: 3,580 lbs. (1624 kg)
 - 95 x 39 x 65 in. (2.41 x 0.99 x 1.65 m)

Specifications for Bid #181Equip-B
Portable Generator with Trailer

- ✓ Trailer mounted
 - Dry weight: 3,363 lbs. (1,525 kg)
 - Operating weight: 4,100 lbs. (1860 kg)
 - 152 x 58 x 83 in. (3.81 x 1.45 x 2.11 m)
- Include testing and load testing for one hour.
- Proposal should include the delivery of the generator with the diesel tank filled to capacity.
- Provide four 4/0 cam lock cables.
- Provide warranty information.



Specifications for Bid #181Equip-C
Provide and Install Docking Station at 2 Facilities

Property Location #1: Parkins-Kerns CRCF – 103 Kerns Avenue,
Greenville, SC 29609

Property Location #2: Parkins-Pickett CRCF – 518 Pickett
Street, Greenville, SC 29609

- Provide and install generator docking station with cam locks to connect to a 40 kw generator.
- Proposal shall include permits as needed.
- Include warranty information for parts and labor.



Specifications for Bid #181Equip-D
Provide and Install Manual Transfer Switch and Docking
Station at 6 Facilities

Property Location #1: Hughes ICF – 104 Hughes Street,
Fountain Inn, SC 29644

Property Location #2: Fountain Inn ICF – 105 Old Fairview
Road, Fountain Inn, SC 29644

Property Location #3: Civitan ICF – 1820 Ridge Road,
Greenville, SC 29607

Property Location #4: Ridge Road ICF – 1810 Ridge Road,
Greenville, SC 29607

Property Location #5: Greenville CRCF – 158 Cavalier Road,
Greenville, SC 29607

Property Location #6: Greer CRCF – 112 S. Beverly Lane, Greer,
SC 29651

- Provide and install 200 amp single phase manual transfer switch at Civitan ICF and Hughes ICF.
- Provide and install 400 amp transfer switch at Fountain Inn ICF, Ridge Road ICF, Greenville CFCR, and Greer GRCF.
- Provide and install generator docking station with cam locks at all six facilities.
- Proposal shall include permits as needed.
- Include warranty information for all parts and labor.