



State of Rhode Island  
Department of Administration / Division of Purchases  
One Capitol Hill, Providence, Rhode Island 02908-5855  
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**ADDENDUM # 1**

7/10/14  
Solicitation #7548860

*Title: Preventative Maintenance Service Generators – Community College  
of Rhode Island*

**Submission Deadline: July 22, 2014 @ 10:00 AM (ET)**

**Per the issuance of ADDENDUM # 1 the following are noted:**

Vendor Questions

*Interested Parties should monitor this website on a regular basis, for any additional information  
that may be posted.*

**Gary P. Mosca  
Senior Buyer**



STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

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Website: [www.purchasing.ri.gov](http://www.purchasing.ri.gov)

**Vendor Questions: Solicitation #7548860**

**Generator Maintenance Community College of Rhode Island**

1. Could you please provide equipment information for the unit at Newport? There is no information and it is impossible to estimate the costs of a PM.

***Response:* SEE ATTACHED NEWPORT GENERATOR AND TRANSFER SWITCH DETAIL.**

2. Number 22 on the checklist, the training of agency's personnel, should this be included in the PM pricing as it will be done during one of the PM visits? Or will this be done at a separate time and billed at T&M rates? How long is the training anticipated to last?

***Response:* ANNUAL TRAINING TO BE CONDUCTED SEPARATELY FROM THE PM VISITS. TRAINING TO BE SCHEDULED IN ADVANCE DURING NORMAL BUSINESS HOURS AT EACH LOCATION AND AT A TIME AGREED TO BY THE PHYSICAL PLANT DIRECTOR OR DESIGNEE. LENGTH OF EACH TRAINING SESSION DEPENDS ON THE VARIOUS EQUIPMENT LOCATED AT THE CAMPUSES. ANNUAL TRAINING INCLUDED IN THE OVERALL PM PRICING. A TOTAL OF SIX (6) HOURS MINIMUM ON-SITE TRAINING REQUIRED (TRAVEL TIME NOT INCLUDED).**

3. Are you looking for an annual laboratory analysis test of the oil, coolant and fuel? Or will an onsite test performed by our technician suffice?

***Response:* IT IS THE VENDOR'S RESPONSIBILITY TO TEST ANNUALLY THE ENGINE OIL, COOLANT, AND FUEL OIL OF EACH GENERATOR. TESTS ARE LIMITED TO GRAVITY, CETANE NUMBER, AND BOTTOM SEDIMENT/WATER. A REPORT OF THE RESULTS TO BE PROVIDED TO THE PHYSICAL PLANT DIRECTOR. BY PROVIDING THIS ANNUAL TESTING, THE VENDOR IS CERTIFYING THE RESULTS.**

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## Bill of Material CCRI-Newport

### 1. Generator set specifications

One Indoor, Olympian packaged Diesel fueled generator set, model D125P1, rated 125 KW, Standby Power 120/208 V, 60 Hz, three phase. Generator set is mounted on a fabricated steel base frame with vibration isolators between engine generator assembly and base frame.

#### *i. Engine*

Perkins 1306TAG1 -8.7 ltr. 6 cyl. Turbocharged, 4 cycle operation, Diesel fueled, Heavy duty engine.

#### *ii. Cooling system*

Unit-mounted radiator with integral fan - designed for 52°C / 125°F ambient temperature  
Coolant heater - 120V single phase with thermostatic and start-signal shut off  
Radiator duct adapter  
50% anti-freeze solution for -30 F protection

#### *iii. Exhaust System*

Stainless steel flexible exhaust connector  
6" critical grade silencer  
Muffler, shipped loose

#### *iv. Starting & Charging System*

Automatic start - stop controls  
12VDC Electrical system  
Electric starting motor  
Lead-acid starting batteries, with rack and cables with battery heating blanket  
Battery Charger 5 Amp output, installed and pre-wired  
Battery charging alternator

#### *v. Fuel system*

Flexible fuel supply line(s)  
Fuel supply shut off solenoid  
Fuel base tank, 24 hr. run capacity (at Full load)  
Double walled, UL 142 Listed  
Alarms Rupture basin, Low and high fuel levels

#### *vi. Governor*

Isosynchronous Governor, 0.25 % speed regulation

#### *vii. Alternator*

125 KW alternator, 120/208 V, 60 Hz, three phase  
Self excited, self-regulating brushless type  
Automatic Voltage Regulator with  $\pm 1.5\%$  voltage regulation from no load to full load

### **viii. Engine-Generator Control Console**

Model 4001E - NFPA 110 Compliant

**Displays :** AC voltage  
AC Current  
Frequency /Tachometer  
Hourmeter  
Coolant temperature  
Lube oil pressure  
DC voltage

**Controls:** Run-Off-Auto control Switch  
Lock down Stop Button  
Adjustable System controls include Remote start delay-crank delay, Crank duration, Crank Repeats and remote stop delay

**Alarms:** Low coolant temperature  
Approach Hi- Coolant temperature  
Approach Low oil Pressure  
High Battery Voltage  
Low Battery Voltage  
Not in Auto mode Alarm

**System shutdowns:** Failure to start  
High Coolant temperature  
Low coolant level  
Low Lube oil Pressure  
Overspeed  
Emergency Stop Operated

Remote annunciator - 16 light annunciator - surface mount

### **ix. Mainline circuit breaker**

Circuit breaker rated 600 A, adjustable trip, 3 pole, 120/208 V with solid neutral  
Integral trip unit for thermal and magnetic overload protection.

ABB make - UL listed Mainline circuit breaker

NEMA 1 enclosure, vibration isolated, mounted separately on base rails

Bottom Conduit entry with stub up

## **2. Automatic transfer switches - Shipped loose**

CTG series Caterpillar Automatic Transfer Switches:

(1) at 100 A, and (1) at 400 A, 3 pole, 120/208 volt, three phase

ATS mounted in a NEMA 1 enclosure with MX-150 controls:

Auxiliary contacts, one NO and NC contacts

Engine start contacts, Std weekly exerciser

Pilot lights, Emergency and Normal position

Pilot lights, Normal and Emergency available

Time delay prior to engine start, adjustable from .5 - 6 seconds

Time delay on retransfer to Normal, adjustable from 0-60 minutes

Time delay, engine cool-down, adjustable from 0-60 minutes

Time delay on transfer to emergency, adjustable from 0-60 seconds

3 Phase Under voltage sensing, normal source.

1 Phase Under frequency sensing, emergency source  
1 Phase Under voltage sensing, emergency source  
Load test switch  
Time Delay Bypass Pushbuttons

**3. Installation and Wiring diagrams:**

Layout drawings of genset  
Electrical drawings for contractor's use

**4. Miscellaneous:**

A full set of operation and maintenance manuals, circuit wiring diagrams, and commissioning  
/fault finding instruction leaflets.  
Contractors pre startup checklist  
One Year warranty from date of startup  
Startup and test