

RESOLUTION
of the
BOROUGH OF NEW PROVIDENCE
Resolution No. 2011-237

Council Meeting Date: 08-22-2011 Date Adopted: 08-22-2011

TITLE: RESOLUTION AWARDDING CONTRACT TO R & J CONTROLS. FOR
 THE WASTEWATER TREATMENT PLANT GENERATOR REPAIR
 PROJECT, IN THE AMOUNT OF \$24,802.

Councilperson Cucco submitted the following resolution, which was duly seconded by Councilperson Galluccio.

WHEREAS, the cooling system (radiator) for the 600 KW generator located at the Waste Water Treatment Plant has a severe leak, and

WHEREAS, interim steps have been taken to repair the leak, with limited success, and

WHEREAS, the Licensed Plant Operator reported power failures are not an uncommon event at the Waste Water Treatment Plant and,

WHEREAS, the Licensed Plant Operator has expressed concern that continued operation of the generator could result in failure of the cooling system and ultimately the generator itself, and

WHEREAS, failure of the generator would have catastrophic results for the Waste Water Treatment Plant and potentially to our residents in the form of sewerage backing up into homes and businesses, and

WHEREAS, the Licensed Plant Operator has obtained three quotes to repair said generator, the lowest being from R&J Controls, and

WHEREAS, the Licensed Plant Operator recommends awarding the contract to R&J Controls, subject to a review of documents by the Borough Attorney.

NOW THEREFORE BE IT RESOLVED by the Mayor and Borough Council of the Borough of New Providence, County of Union and State of New Jersey, that the repairs to the Waste Water Treatment Plant Generator are awarded to R&J Controls, 58 Harding Avenue, Dover, NJ in the amount of \$24,802.00.

APPROVED, this 22nd day of August, 2011.

RECORD OF VOTE

	AYE	NAY	ABSENT	NOT VOTING
CUCCO	X			
GALLUCCIO	X			
GENNARO	X			
LESNEWICH	X			
MUÑOZ	X			
VYZAS	X			
HERN			TO BREAK COUNCIL TIE VOTE	

I hereby certify that the above resolution was adopted at a meeting of the Borough Council held on the 22nd day of August, 2011

Wendi B. Barry, Borough Clerk



BOROUGH OF
NEW PROVIDENCE
SETTLED IN 1720

WASTEWATER TREATMENT PLANT
10 PARK PLACE
NEW PROVIDENCE NJ 07974

To: Mayor, Council and Douglas Marvin, Borough Administrator

From: Anthony Carnevale Jr., Licensed Operator

Re: Emergency Generator Radiator Replacement

Date: August 17, 2011

The Wastewater Treatment Plants emergency generators radiator has a severe leak in its core. This radiator is large, with its dimensions being 5' by 6' feet. This job will be labor intensive and take up to one (1) week to complete depending on the method of repair we choose. A temporary back-up generator will need to be installed to supply emergency power to the plant in the event we have any power failures during the repair.

There are two options available; one is to have the radiator rebuilt this is the longer method of repair, or we can purchase a new radiator which will be onsite ready to be installed. The cost of a new radiator is \$12,672.00 and a rebuild is \$9360.00 for a difference of \$3,312.00. This is the generators original radiator installed in 1995 making it 16 years old. If we go with a rebuilt, it could extend the duration of the repair past the one (1) week stand by generator rental, which would add an additional \$1,900.00 to the cost of the job.

I highly recommend that we purchase a new radiator. I have received three (3) quotes for this repair (see attached). R&J Control Inc. price of \$24,802.00 is the lowest bid received. I am very comfortable with R&J Controls as they perform our general maintenance program for our generator. If you have any other questions regarding this matter, please feel free to contact me.

Sincerely,

Anthony Carnevale Jr.

RECEIVED QUOTES

R&J Controls Inc.	\$24,802.00
Cummins Power Systems LLC	\$43,550.66
Foley Power Systems	\$45,978.09

R & J  Est. 1874
CONTROL INC.
Generator Systems

New Providence Water Treatment
10 Park Place
New Providence, NJ

April 18, 2011

Attn: Anthony
Re: Emergency Generator

Anthony,

The Onan 600kw diesel generator at the above location is in need of repairs. The radiator core itself has been leaking and it is getting worse. We have obtained one quote, from the manufacturer for a factory brand new radiator. The price of the radiator assembly, with freight, delivered to your site is \$12,672.00

Because a new radiator is very expensive we recommend that your radiator be removed and rebuilt with a new core. This method is more economical than purchasing a new radiator. The radiator rebuild will take several days to complete. The assembly would then be reinstalled and the entire system tested. The estimated cost of rebuilding this radiator is \$9360.00

The labor charge to complete this project is estimated for 3 mechanics, two and 1/2 days of work. (20 hours) The total labor charges estimate at \$7020.00.

Coolant, hardware, fan belts and hoses are estimated to add another \$610.00 to this project.

We recommend installing a rental generator set to protect the emergency power system while these repairs are being made. A 750kw unit would be the available size, delivered and connected to function automatically in the event of a power outage.

Katolight • C. C. • Kohler • Major • DIRT • Generac • Winco • Carter • Assoc • Lake • Russek • Lexington • Tramount • Ramph

The rental generator, trucking fee, and cables amount to \$2880.00 for a period of one week. Each additional week is \$1900.00. The labor to disconnect the existing generator and connect the temporary, and then reverse the procedure at the completion of the radiator project amounts to \$1620.00

Here is the outline total:

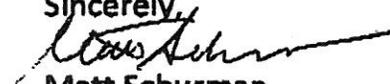
New

Radiator	9360.00	<i>12,672.</i>
Labor for radiator	7020.00	
External Parts	610.00	
Rental Genset	2880.00	(budget an additional \$1900.00 if 2 nd week is needed)
Labor for Rental	1620.00	

Total project estimate, ~~\$21,490.00~~ *24,802*
(plus a possible extra week rental, depending on radiator rebuild)

We are available for your questions, should you wish to discuss this project further. We remain at your service.

Sincerely,


Matt Schurman

FOLEY
POWER SYSTEMS



855 Centennial Avenue
Piscataway, NJ 08855
Phone 732-885-3097 Fax 732-885-6655

Date: 8/12/11
Customer #: 0

Quotation

Anthony Carnevale
Borough of New Providence
10 Park Place
New Providence NJ 07974

Make: Cummins
Model: 600DFGB
Serial Number: E9685230

	AMOUNT
The following is a estimate for recommended repairs based on our technicians finding, during a recent inspection.	
SCOPE OF WORK	
<u>Replace radiator assembly</u> Travel to customer site, drain coolant from engine and radiator, remove all necessary components to remove existing radiator, remove entire radiator assembly, replace with new replacement radiator assembly. Re-install all previously removed components, refill engine with existing coolant. Run and test unit using engine mounted loadbank.	
	\$ 41,502.09
Freight and Taxes Not Included All waste to be disposed in a EPA approved manner	
TOTAL	\$ 41,502.09

Foley Incorporated makes no representation or warranty of any kind, nature or description, expressed or implied, with respect to the equipment's merchantability, or its fitness . for any particular purpose.

If you wish to schedule this work, please sign below and fax this quotation back to me.

If you have any question about this quotation, I can be reached at (732) 885-8035.

Jason Kearney / Service Quoter / Foley Power Systems

Print name _____ Date _____

Approval Signature _____ PO# _____

Please sign and fax to 732-885-6655



Foley Power Systems
 855 Centennial Ave.
 Piscataway, NJ 08855
 732-885-3111 Phone
 732-885-3122 Fax

To: Anthony Carnivale

Company: New Providence Waste Water Plant

Phone: 732 885-8035 Email:

From: John Holland

Date August 16, 2011

Number of pages: 3

Foley Power Systems appreciates the opportunity to provide you with this proposal.

Equipment:

Supply one 600KW Caterpillar diesel generator set at 480 volts, 3 phase, 60Hz.
 24-50' 4/0 cables equaling 100' run of cable (3 per phase, 2 neutrals and 1 ground)
 12 female lugged pigtailed and 12 male bare pigtailed

Weekly rates*:	(generator only)	
	Single shift (0-40 hours allowed per wk.)	\$2,560.00
	Double shift (41-80 hours per wk.)	\$3,840.00
	Triple shift (81+ hours per wk.)	\$5,120.00
Monthly rates**:	(per generator)	
	Single shift (0-160 hours allowed per mo.)	\$7,680.00
	Double shift (161 – 320 hours per mo.)	\$11,520.00
	Triple shift (321 + hours per mo.)	\$15,360.00
Weekly cable and pigtail rate:		\$816.00
Monthly cable and pigtail rate:		\$1,728.00
Delivery to New Providence (excluding waiting time):		\$550.00
Pickup 2 trucks (excluding waiting time):		\$550.00
TOTAL for (1) Week rental		\$4476.00

A 3% Environmental Fee will apply to all rental items, \$300.00 maximum per invoice

***if equipment is out for three days or more, it is invoiced at the weekly rate above (3 days =week).**

****if equipment is out for three weeks or more, it is invoiced at the weekly rate above (3 wks =month).** Month is based on a 28 day billing cycle. Although not shown, implied or estimated, applicable taxes will be charged unless Foley Power Systems is supplied with a tax-exempt certificate prior to the reservation of the equipment. All rentals are subject to Foley's standard terms and conditions (copy attached).

Cable (if needed):

4/0 cable is available in 50' lengths. The rental rate is \$.75 a ft per wk/\$1.50 per mo. "Lugged" or "Bare Wire" tails should be requested upon order; if no specification is made, Bare Wire tails will be sent. Lugged tails that are cut or damaged will be charged T&M for repairs or cost of replacement.

Transportation (if needed):

We will provide transportation to the job location at a cost of \$125.00/hr per truck portal to portal. Foley uses outside contractors for transportation and rates are not negotiable.

Maintenance:

25kW thru 2000kW needs to be serviced every 250 hours. Customer will be billed time and materials. Please call 732-885-3113 when your rental unit is approaching maintenance hours to schedule an appointment.

*Technicians will be billed at \$167/hr straight time (7-3:30PM M-F), \$251/hr (3:31PM-10:59 PM M-F & Sat 1st 8 hours), \$334/hr (after 11pm M-F, Saturdays after 8 hours, Sundays, and Holidays). Travel Mileage is charged at \$3.45/mile portal to portal

Customer Responsibilities:

Equipment provided is fully serviced and checked out before shipment to customer's jobsite. External fuel tanks are delivered empty and need to be returned empty. Unless otherwise agreed upon, the customer is responsible for applicable routine maintenance, logging and proper application of equipment. Excessive cleaning or repairs due to customer neglect will be charged to the customer. All EPA permitting is the customer's responsibility. Customer must promptly report any and all equipment related problems.

Equipment will be delivered with locks and keys when applicable. Customer is responsible to return all locks or keys when equipment is returned. Any locks or keys missing upon return of equipment will be replaced at a cost of \$25 per lock and \$10 per key.

Fuel:

The unit operates on #2 diesel fuel. It is the customer's responsibility to fuel the generator and it must be returned with the same amount of fuel received at the time of delivery. Units returned with less fuel than delivered will be refueled at \$5.25/gallon.

Onsite fuel delivery is also available. Please contact your Account Manager for current on-site prices.

Insurance:

Lessee shall keep Equipment insured against all risks of loss or damage from every cause whatsoever for not less than the full new replacement value thereof and shall carry Public Liability Insurance, both personal injury and property damage, covering Equipment as per the Terms and Conditions of our Rental Agreement. All customers renting equipment are required to maintain physical damage insurance or accept the Equipment Protection Plan (EPP). Any customer not providing proof of physical damage insurance within 72 hours of the start of rental will be charged an amount for EPP equal to **12% of the gross rental amount.**

Terms:

Invoice Net 30 days.

Quote is good for thirty (30) days from the above date and is subject to equipment availability.

Thank you for the opportunity to quote your rental needs. Please sign this quote in the space provided below and return to the undersigned, via fax 732-885-3122, and keep a copy for your file. By executing this quote, you agree to all the terms and conditions of our "Lease Agreement".

Sincerely,

John Holland
Power Systems
Rental Account Manager
Foley Power Systems
Cell (732) 261-6403

Understood, Acknowledged and Agreed

By: _____

Name: _____

Date: _____

Purchase Order: _____



**Cummins
Power Systems,
LLC**

WWW.POWERSYSTEMS.CUMMINS.COM

CORE CHARGE WILL NOT BE FULLY REFUNDED IF CORE IS NOT RETURNED IN 45 DAYS

NEWARK BRANCH
41-85 DOREMUS AVENUE
NEWARK, NJ 07105-
(973)491-0100

INVOICE NO
ESTIMATE
REMIT TO: LK BX 510277 Phila., PA 19175-0277

BILL TO

NEW PROVIDENCE BOROUGH OF
360 ELKWOOD AVENUE
NEW PROVIDENCE, NJ 07974-
01

OWNER

BOROUGH OF NEW
PROVIDENCE
360 ELKWOOD AVENUE
NEW PROVIDENCE, NJ 07974-
ANTHONY CARNEVALE - 908 665-1077

PAGE 1 OF 3
*** CHARGE ***

DATE	CUSTOMER ORDER NO.	DATE IN SERVICE	ENGINE MODEL	PUMP NO.	EQUIPMENT MAKE
25-JUL-2011 03:21PM			VTA28-G5		CUMMINS
CUSTOMER NO.	SHIP VIA	FAIL DATE	ENGINE SERIAL NO.	CPL NO.	EQUIPMENT MODEL
156211		14-JUN-2011	25207712		600DFGB
REF. NO.	SALESPERSON	PARTS DISP.	MILEAGE/HOURS	PUMP CODE	UNIT NO.
144125					1

QUANTITY ORDERED	BACK ORDERED	QUANTITY SHIPPED	PART NUMBER	DESCRIPTION	PRODUCT CODE	UNIT PRICE	AMOUNT
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OSN/MSN/VIN H950585115 LICENSE 600DFGB

**COMPLAINT
CORRECTION**

SCOPE OF WORK TO BE PERFORMED:

THREE (3) CUMMINS SERVICE TECHNICIANS WILL TRAVEL TO JOBSITE 5 CONSECUTIVE DAYS (NORMAL BUSINESS HOURS). CHECK IN WITH CUSTOMER. LOCK OUT AND TAG GENSET CONTROL PANEL, BATTERY CHARGER AND BLOCK HEATER ELECTRICAL POWER SUPPLY. DRAIN COOLING SYSTEM. DISCONNECT BATTERY CABLES, REMOVE RADIATOR FAN GUARDS FOR ACCESS. REMOVE HOSES, BRACKETS AND COVERS. REMOVE GENSET ENCLOSURE COVER TO REMOVE RADIATOR (WILL HAVE TO CHECK IF RADIATOR WILL GO THRU THE GENSET ENCLOSURE DOOR OR RADIATOR OPENING). REMOVE RADIATOR AND REPLACE NEW (MADE TO ORDER) RADIATOR. REPLACE BELTS AND COOLING SYSTEM HOSES. REPLACE THERMOSTAT AND SEALS. REPLACE BLOCK HEATER HOSES AND CLAMPS. INSTALL ALL REMOVED PARTS AND GUARDS. REFILL COOLING SYSTEM. PRESSURE TEST RADIATOR AND CHECK FOR COOLANT LEAKS. CONNECT BATTERY CABLES AND REMOVE LOCK OUT AND TAG. TURN ON BLOCK HEATERS. TEST RUN AND CHECK COOLING SYSTEM AT NORMAL OPERATIVE TEMPERATURE. LEAVE GENSET CONTROL PANEL IN AUTO.

NOTE
CUMMINS RENTAL SERVICE WILL DELIVER RENTAL GENSET AND CONNECT RENTAL GENSET TO SWITCHGEAR

CUSTOMER WILL BE INVOICED FOR ACTUAL TIME AND MATERIAL ONLY

1	0	130-4354	RADIATOR (CAP 130-3588-0	ONAN		11,493.69	11,493.69
2	0	3076489	THERMOSTAT	CECO		68.83	137.66
2	0	186780	\$\$\$SEAL THERMOSTAT	CECO		13.46	26.92

Completion date : 30-Jun-2011 11:15AM. Estimate expires : 14-Jul-2011 11:15AM.

Federal I.D.# 26-1377221

TERMS: NET 10TH PROX unless otherwise specified. SHIPPING: FOB Shipping point unless otherwise specified. A SERVICE CHARGE OF 1 1/2% PER MONTH (EFFECTIVE RATE OF 18% PER ANNUM) WILL BE CHARGED ON PAST DUE ACCOUNTS. Any claims for shortages or deductions for erroneous charges must be made within thirty days after receipt of goods. SEE WARRANTY PROVISIONS ON REVERSE SIDE



**Cummins
Power Systems,
LLC**

WWW.POWERSYSTEMS.CUMMINS.COM

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NEW PROVIDENCE, NJ 07974-
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OWNER

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PAGE 2 OF 3

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REF. NO.	SALESPERSON	PARTS DISP.	MILEAGE/HOURS	PUMP CODE	UNIT NO.
144125					1

QUANTITY ORDERED	BACK ORDERED	QUANTITY SHIPPED	PART NUMBER	DESCRIPTION	PRODUCT CODE	UNIT PRICE	AMOUNT
		OSN/MSNVIN		H950585115		LICENSE 600DFGB	
3	0	0	3033215	GASKET,THERMOSTAT HOUSING	CECO	2.13	6.39
4	0	0	503-1728	HOSE-RAD 7" LENGTH	ONAN	14.23	56.92
8	0	0	503-1872-05	CLAMP-HOSE	ONAN	10.54	84.32
2	0	0	503-0856	HOSE-RAD (1 FT OF 503-056	ONAN	23.10	46.20
2	0	0	501-0585	LINE-FLEX FUEL	ONAN	28.91	57.82
10	0	0	27094	HOSE - 1/4" PUSH ON	OTHER	5.61	56.10
10	0	0	27095	HOSE 5/16" PUSH ON	OTHER	6.02	60.20
10	0	0	CC2850	ES CM PG COOL	FLG	141.14	1,411.40
4	0	0	5701	TOWELS SHOP	OTHER	6.87	27.48
4	0	0	3823258	PAD, CLEANING	CECO	1.48	5.92
8	0	0	503-1872-07	CLAMP-HOSE	ONAN	10.80	86.40
3	0	0	503-1634	HOSE-SILICONE RUBBER	ONAN	14.96	44.88
8	0	0	503-1872-01	CLAMP-HOSE	ONAN	10.92	87.36
3	0	0	178578	BELT,V	CECO	47.76	143.28
1	0	0	130-3588	CAP-RAD PRESSURE 7 PSI	ONAN	11.60	11.60
12	0	0	STT276C	WIRE TIES 11.75X3/16	OTHER	.38	4.56
2	0	0	WF2073	WF PKG	FLG	26.80	53.60
3	0	0	3017278	HOSE,PLAIN	CECO	30.18	90.54
24	0	0	5296K341	7/8" ID COOLANT HOSE	OTHER	13.32	319.68
20	0	0	5133K26	1" ID COOLANT HOSE	OTHER	12.95	259.00
4	0	0	70624	SEAL,O RING	CECO	1.68	6.72

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REMIT TO: LK BX 510277 Phila., PA 19175-0277

BILL TO

NEW PROVIDENCE BOROUGH OF
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OWNER

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144125					1

QUANTITY ORDERED	BACK ORDERED	QUANTITY SHIPPED	PART NUMBER	DESCRIPTION	PRODUCT CODE	UNIT PRICE	AMOUNT
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OSN/MSN/VIN		H950585115		LICENSE 600DFGB			
4	0	0	3035331	SEAL,GROMMET	CECO	2.75	11.00
6	0	0	3922849	CLAMP,HOSE	CECO	8.67	52.02
0	0	0	PM SERVICE	GEAR & GENERATOR	OTHER	2,625.00	0.00
1	0	0	ONE (1) WEEK	RENTAL GENSET	OTHER	4,999.00	4,999.00

PARTS:	19,640.66
PARTS COVERAGE CREDIT:	0.00CR
TOTAL PARTS:	19,640.66
SURCHARGE TOTAL:	0.00
LABOR:	23,910.00
LABOR COVERAGE CREDIT:	0.00CR
TOTAL LABOR:	23,910.00
MISC.:	0.00
MISC. COVERAGE CREDIT:	0.00CR
TOTAL MISC.:	0.00

TAX EXEMPT NUMBERS:	NJ	22-6002132	TAXES:	STATE	0.00
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20% RESTOCKING CHARGE ON ALL RETURNS
ELECTRICAL PARTS ARE NOT RETURNABLE
NO RETURNS ALLOWED WITHOUT APPROVED RGA NUMBER
THANK YOU FOR YOUR VALUED BUSINESS!!

Completion date : 30-Jun-2011 11:15AM. Estimate expires : 14-Jul-2011 11:15AM.

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SUB TOTAL:	43,550.66
TOTAL TAX:	0.00
TOTAL AMOUNT: US \$	43,550.66



MEMORANDUM

To: Doug Marvin, Borough Administrator
From: Jim Johnston, Public Works Manager
Date: August 18, 2011
Re: Emergency Generator Repairs

As you are aware, the generator at the Waste Water Treatment Plant has a severe leak in the radiator. This generator provides back-up for the Waste Water Treatment Plant operations for the Borough of New Providence.

Tony Carnevale, our Licensed Plant Operator has worked with R & J Controls to provide interim repairs to the radiator. While the repairs have had limited short term success, Tony Carnevale has told me the situation continues to deteriorate. Tony is very concerned that the generator could fail if placed under any significant load. Tony also reported that the plant has experienced several power outages lately that caused the generator to activate.

Failure of the generator would be catastrophic. The plant operates a number of pumps to push the flow to Summit. If the pumps fail, the flow begins to back-up into the plant. If the power were not restored in a reasonable period of time, flow would continue to back-up into the sewer mains, potentially causing sewage to back up into residents homes.

Tony solicited and obtained three quotes to repair the generator. The quotes are:

R & J Controls	\$24,802.00
Cummins Power	\$43,550.66
Foley Power Systems	\$45,978.09

Based on the quotes, Tony recommends hiring R & J Controls to repair the generator. We are familiar with their work, as they provide the regular maintenance on all generators for the Borough of New Providence.

We need to have this repaired as quickly as possible to avoid potential failure.

Thank-you.