



## City Council Staff Report

DATE: May 16, 2012

CONSENT AGENDA

SUBJECT: AUTHORIZE PURCHASE OF A GENERAC MODEL 5D050 DIESEL GENERATOR FROM BRUDVIK INC. IN THE AMOUNT OF \$25,845 FOR FIRE STATION NO. 441

FROM: David Ready, City Manager

BY: Palm Springs Fire Department

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### SUMMARY

Fire Station 441 located at 277 North Indian Canyon does not have access to an alternate power source in the event of an unexpected electrical interruption or catastrophic emergency. Staff is recommending that Council approve the purchase of a new 50 kW 80 amp diesel generator that will have the ability to provide emergency power to fully operate Fire Station 441 during unexpected power outages for up to 72 hours.

### RECOMMENDATION:

- 1) Approve the purchase of a new GENERAC Model 5D050 50 kW 80 amp generator with 300 gallon fuel tank from Brudvik Inc. of Palm Springs, CA in an amount not-to-exceed \$25,845.
- 2) Authorize the City Manager to execute all necessary documents.

### STAFF ANALYSIS:

Fire Station 441 requires a source of emergency power in order to maintain operational readiness in the event of electrical interruption or long term power outage. Currently the station has a battery back-up system capable of powering the department's emergency radio system. However, these batteries are not capable of operating the numerous electrical systems necessary to for the station to operate at its full capacity. Should the station experience an unexpected power outage the station's emergency response and functional capabilities could be affected.


The City of Palm Springs utilized MRC Engineering, Inc. to complete the Electrical Engineering & Design to determine the electrical load calculation demands for Fire Station 441. Based on the electrical load calculations a 50 kW 80 amp diesel generator was recommended. This generator comes equipped with a 300 gallon fuel tank that will provide sufficient power to operate all electrical demands for Fire Station 441 including the HVAC system, lights, computers, wall outlets, emergency radios, and apparatus room doors that are critical to maintaining a state of operational readiness during electrical interruptions or long term power outages for up to 72 hours.


Procurement staff worked closely with Fire and Public Works especially to develop generator specifications and conduct a Request for Quotes (RFQ) for a 50 kW 80 amp generator. The City received 6 bids in response to the RFQ, ranging from \$24,525 to \$38,274 with Brudvik Inc. of Palm Springs, CA being the lowest responsive, responsible bidder. The Fire Department requested a larger capacity fuel tank for an additional \$1320, bringing the total cost to \$25,845. Even with the larger tank, Brudvik Inc. remains the low bidder. This action is for the purchase and delivery of the generator itself. Public Works will oversee the required plan development, bidding and construction oversight necessary for the site preparation and installation of the new generator by a qualified and properly licensed contractor.

FISCAL IMPACT:

Funds for the purchase of a 50 kW 80 amp generator in the amount of \$25,845 is available in the Fire Department Capital Account 261-3600-53054.

  
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Scott Ventura, Fire Chief

  
\_\_\_\_\_  
David J. Barakian  
Director of Public Works/City Engineer

  
\_\_\_\_\_  
David H. Ready, City Manager

Attachments: Generator Bid Abstract  
Brudvik Bid





MAR-27-2012 TUE 04:44 PM PS PROCUREMENT

FAX NO. 760 323 8238

P. 03/08

FAX BACK TO: Cheryl Martin FAX No: (760) 323-8238  
 Quotations Due until: 3:00 PM PDT on MONDAY, APRIL 09, 2012

CITY OF PALM SPRINGS  
 REQUEST FOR QUOTATIONS NO. 2012-11  
 for  
 50 KW GENERATOR

**Purchase of a New 80 amp emergency generator for Fire Station No. 1.**

Bidder shall indicate "Yes" or "No" in the space provided for each Specification. By writing "Yes", Bidder is indicating that they fully accept and are in full compliance with the specification. By writing "No", Bidder is indicating a deviation from the specification. As per the bid instructions, any deviations must be clearly indicated with an explanation in an attachment headed "Deviations from Specifications". Failure to indicate either "Yes" or "No", or failure to provide a "Deviations from Specifications" attachment for any item marked "No", may render a bid as non-responsive.

**General Specifications:**

Yes or No

YES Generator: 50KW, 50 kVA

YES Voltage: 120/240 ACV 3-Phase 4 Wire (G), 60 Hz Diesel  
 To include 2 (Two) year/ 3000 Hour Basic Standby Limited Warranty  
 150 degree Temperature Rise 362CSL1606  
 UL2200

YES Control Panel: to provide a versatile system for genset control, protection, monitoring and event logging. To include password protected programming capabilities and a standard USB communications port for re-programming and simple loading of software upgrades. To be equipped with generator metering, engine monitoring, genset control, engine protection, generator protection, PC software, and automatic transfer switch control. Single or three phase sensing override, UL recognized, CSA certified, CE approved, HALT (Highly Accelerated Life Test) tested, IP 54 Front Panel rating with integrated gasket, NFPA110 Level Compatible.

YES Enclosure: Enclosure to be made out of 14 gauge hot-rolled commercial grade steel. To have a one piece pitched roof design to prevent water accumulation with 1.5inch, 2.15lbs polyether polyurethane sound attenuating foam that meets UL94HBF. Built to withstand 125 mph winds or higher with lockable doors.

YES Cooling System: Unit Mounted Radiator

YES Circuit Breaker: <sup>ISO</sup> ~~88~~ AMP 120/240 Three Pole - Mounted and Wired in a NEMA 3R Enclosure (Qty. 1)

YES Battery: Lead Acid Battery 950 CCA @ 0 F with Unit mounted Steel Rack (per Battery)

YES Block Heater: Standard for equipment specified

MAR-27-2012 TUE 04:44 PM PS PROCUREMENT

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YES Vibration Isolation: Vibration Pads

YES Battery charger: FCA 12-10-2411UA (12 Volt, 10 Amps)

YES Muffler: For CQE Enclosures Only - to include Critical Grade Muffler - mounted in the exhaust chamber

YES Sub Base Tank: 24 hour ~~244~~ gallon capacity to include electric fuel gauge (mounted in control panel) and Emergency pressure relief vent cap set (1/2 PSI) - 3"

YES Automatic Transfer Switch: ASCO 300, Poles: 3 3002200C Amps: 200 (Qty1) to include: Warranty - Two (2) Year Basic ATS Standby Limited Warranty Voltage - 120/240 NEMA 3R / 30-200 Amp

YES Miscellaneous: Testing - standard commercial test, Manual - one (1) instruction manual.

YES General Custom Options: Provide (6) six additional manuals (7 manuals total).

YES Start and Test: Generator must include One (1) hour building load test at start-up and One (1) hour training.

Generator Set must be accepted by SCAQMD.

1) Brand: Generac  
Model: SD550 \$ 22,552.00  
Generator: 50 kW, 50 KVA  
Voltage 120/240 ACV 1 Phase 12 Wire (G),  
60 Hz Diesel  
To include 2 (Two) year/ 3000 Hour Basic Standby  
Limited Warranty  
150 degree Temperature Rise

Delivery charges, if not included above, for delivery to:  
Palm Springs Receiving, 425 North Civic Drive, Palm Springs,  
CA 92262 \$ Included

8.75% California sales/use tax \$ 1,973.00

GRAND TOTAL \$ 24,525.00

Delivery is desired as soon as possible and may be a factor in award of quotation.

Please indicate delivery date: 60 # of days ARO (After receipt of Order)

It is understood and agreed that this quote may not be withdrawn for a period of ninety (90) days from the date of the opening thereof, and at no time in the case of the Successful Bidder.

*BRUDVIK, Inc.*

MAR-27-2012 TUE 04:45 PM PS PROCUREMENT

FAX NO. 760 323 8238

P. 05/06

FAX BACK TO: Cheryl Martin FAX No: (760) 323-8238  
Quotations Due until: 3:00 PM PDT on MONDAY, APRIL 09, 2012

**CHECK IF THE FOLLOWING STATEMENT APPLIES:**

My firm/company is a Local Business (Licensed within the jurisdiction of the Coachella Valley). Copy of current business license is required to be attached to this document.

BRUDVIK, INC.  
NAME OF BIDDER (PERSON, FIRM, CORP)  
REPRESENTATIVE

600 EDGEMERE ROAD  
ADDRESS (Number, Street, Suite#, or P.O. Box)

PALM SPRINGS, CA 92264  
ADDRESS (City, State, ZIP)

760-320-4429  
TELEPHONE NUMBER

NAME AND TITLE (Print or Type)

760-323-3302  
FAX NUMBER

[Signature]  
SIGNATURE OF AUTHORIZED REPRESENTATIVE

LARRY "BO" FORD - VICE PRESIDENT  
NAME AND TITLE (Print or Type)

4/9/2012  
DATE

SIGNATURE OF AUTHORIZED REPRESENTATIVE

DATE

Bo@BrudvikInc.com  
EMAIL ADDRESS

**PLEASE NOTE THAT PALM SPRINGS CITY HALL IS CLOSED EVERY FRIDAY DUE TO THE CURRENT FURLOUGH PROGRAM, AND THEREFORE IS NOT ABLE TO ACCEPT, TIME OR DATE STAMP ANY SUBMITTALS/BIDS ON FRIDAYS (OR WEEKENDS). PLEASE TAKE THIS INTO CONSIDERATION WHEN DELIVERING A SUBMITTAL/BID BY THE DUE DATE AND TIME AS DEFINED IN THIS DOCUMENT.**

BRUDVIK, INC.



REQUEST FOR QUOTATIONS NO. 2012-11  
FOR  
50 KW GENERATOR

ADDENDUM NO. 1

This Addendum is being issued for the following changes and informational items:

THE FOLLOWING REVISIONS AND/OR ADDITIONS TO THE RFQ DOCUMENT AND INSTRUCTIONS ARE TO BE INCLUDED AND SHALL TAKE PRECEDENCE OVER ANYTHING CONTRARY ON THE PREVIOUSLY ISSUED SPECIFICATIONS AND INSTRUCTIONS AND SHALL BE REFERRED TO HEREINAFTER AS PART OF THE CONTRACT DOCUMENTS.

Q 1: Please clarify the required generator voltage: Page Three (3) lists it as 120/240 3 Phase 4 Wire, Page four (4) lists it as 12/0240 1 phase 12 wire.

A 1: The specification on Page four (4) should read: 120/240 ACV 3 Phase 4 Wire.

Q 2: Please confirm the ATS as 3 pole or 1 pole; as related to question 1.

A 2: ATS shall be a three (3) pole.

Q 3: UL2200 rating will be voided if the generator has 150 degree temperature rise. A 130 degree temperature rise will give you a UL 2200 rating. Can we offer this option?

A 3: Yes

Q 4: The circuit breaker requested is 80 amps. The generator output is over 150 amps. Do you require a larger circuit breaker to meet the amps or would you like a smaller generator quoted?

A 4: Generator circuit breaker shall be 150 amp, 3 pole.

BY ORDER OF THE CITY OF PALM SPRINGS, CALIFORNIA

*Cheryl Martin*

Cheryl Martin  
Procurement Specialist I

DATE: March 29, 2012

ADDENDUM ACKNOWLEDGMENT:

Proposer Firm Name: Brudvik, Inc.

Authorized Signature: [Signature]

Date: 3/29/12

Acknowledgment of Receipt of Addendum is required by signing and including the acknowledgment with your submittal. Failure to acknowledge this addendum may result in your submittal being deemed non-responsive.

*Brudvik, Inc.*

**CITY OF PALM SPRINGS BUSINESS LICENSE**

3200 E TAHQUITZ CANYON WAY, PALM SPRINGS, CA 92262 (760) 323-8289

PLEASE NOTE THAT IT IS YOUR RESPONSIBILITY TO RENEW AND UPDATE THIS LICENSE ANNUALLY.

<b>BUSINESS NUMBER:</b>	00000615	<b>EXPIRATION</b>	<b>TAX/ADMIN. FEE</b>	<b>CERT NO</b>
<b>BUSINESS TYPE:</b>	ELECTRICAL CONTRACTOR	02/28/2013	18.00	929
<b>OWNER NAME:</b>	BRUDVIK, JOHN B	02/28/2013	67.00	930
<b>BUSINESS NAME:</b>	BRUDVIK INCORPORATED			
<b>BUSINESS ADDRESS:</b>	600 EUGENE RD			
	PALM SPRINGS, CA 92264			

BRUDVIK INCORPORATED  
600 EUGENE RD  
PALM SPRINGS CA 92264

ISSUANCE OF THIS LICENSE DOES NOT ENTITLE  
THE LICENSEE TO OPERATE OR MAINTAIN A  
BUSINESS IN VIOLATION OF ANY OTHER LAW  
OR ORDINANCE. THIS IS NOT AN ENDORSEMENT  
OF THE ACTIVITY NOR OF THE APPLICANT'S  
QUALIFICATIONS.

**MUST BE POSTED IN A CONSPICUOUS PLACE**

*Brudvik, Inc.*

APR-03-2012 TUE 02:34 PM PS PROCUREMENT

FAX NO. 760 323 8238

P. 02/03

RECEIVED  
CITY OF PALM SPRINGS

2012 APR -9 PM 1:01



PROCUREMENT DIVISION

REQUEST FOR QUOTATIONS NO. 2012-11  
FOR  
50 KW GENERATOR

ADDENDUM NO. 2

This Addendum is being issued for the following changes and informational items:

THE FOLLOWING REVISIONS AND/OR ADDITIONS TO THE RFQ DOCUMENT AND INSTRUCTIONS ARE TO BE INCLUDED AND SHALL TAKE PRECEDENCE OVER ANYTHING CONTRARY ON THE PREVIOUSLY ISSUED SPECIFICATIONS AND INSTRUCTIONS AND SHALL BE REFERRED TO HEREINAFTER AS PART OF THE CONTRACT DOCUMENTS.

- Q 1: All Generators have two (2) ratings KW and KVA, and they can't be the same.  
Example # 1. if the generator is rated at 50 KW the KVA rating will be 62.5 KVA  
Example # 2. If the KVA rating is 50KVA the Generator will have a 40 KW rating
- A 1: The generator is to be 50 kW and 62.5 KVA,

BY ORDER OF THE CITY OF PALM SPRINGS, CALIFORNIA

*Cheryl Martin*

Cheryl Martin  
Procurement Specialist I  
DATE: April 03, 2012

ADDENDUM ACKNOWLEDGMENT:

Proposer Firm Name: Brodvik, Inc.

Authorized Signature: [Signature]

Date: 4/9/12

Acknowledgment of Receipt of Addendum 2 is required by signing and including the acknowledgment with your submittal. Failure to acknowledge this Addendum may result in your submittal being deemed non-responsive.

*Brodvik, Inc.*

## Craig Gladders

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**From:** Craig Gladders  
**Sent:** Tuesday, May 01, 2012 10:38 AM  
**To:** Craig Gladders  
**Subject:** FW: 50KW Generator - price for larger 300 gallon fuel tank

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**From:** Bo [mailto:Bo@brudvikinc.com]  
**Sent:** Tuesday, April 17, 2012 10:26 AM  
**To:** Cheryl Martin  
**Cc:** Bo  
**Subject:** 50KW Generator - Adder pricing to increase fuel capacity

300 gallon fuel tank                      Add \$1,320.00

*Larry "Bo" Ford*

**BRUDVIK INC.**  
**ELECTRICAL CONTRACTOR**

466 Eugene Road  
Palm Springs, CA 92264  
Tel (760) 328-4428  
Fax (760) 328-3907