



Cost Benefit Analysis Worksheet

Analysis of Alternatives

SUBMITTER: CHIEF ROBERT KINNIRY

Reason For Action: The steel enclosure for our existing 40KW is obsolete and no longer available. Aluminum is the only replacement possible. The current generator was installed in **2006?** and, while still fully operational, it has 9-11 years of estimated life remaining (typical useful life is 20-30 years but with island climate, likely closer to 20 years total life).

	Alt A (Replace Cowling)	Alt B (Purchase New)	Alt C (Do Nothing)
Costs			
Purchase Cost		\$12,875	
Installation Cost	\$6,993	\$10,000	
Freight Cost (Estimate)		\$2,000	
Permitting Cost UNK		\$0	
Disposal of Old Generator UNK		\$0	
Annual Maintenance Cost UNK	\$0	\$0	
Construct Shed/Covering UNK	\$300	\$300	\$300
	\$7,293	\$25,175	\$300
Benefits			
Sale of Existing Generator UNK		\$0	
Reductions in Maintenance UNK		\$0	
	\$0	\$0	\$0
Net Cost	\$7,293	\$25,175	\$300

Attachments:	Circle One for Each Column/Line								
Equipment Spec Sheets	Yes	No	N/A	Yes	No	N/A	N/A		
Maintenance Contract Sheet	Yes	No	N/A	Yes	No	N/A	N/A		
Estimated Useful Life	9-21 Years			20-30 Years			9-21 Years		
Cost Proposal Sheet	Yes			Yes			No		
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A



Estimate

DATE	Estimate #
7/20/2017	072017-0

STATE CERTIFIED
 65042000012005
 EC13003140
 CFC024472
 Insured

PO Box 62495 Fort Myers, FL 33906
 Tel: 239-337-1311 Fax: 239-936-0993

NAME / ADDRESS

Upper Captiva Fire Department
 Attn: Bob Kinniry
 4511 Hodgepodge Lane
 Captiva, FL 33924
 Tel: 239-872-2265

TERMS	REP	PP
Firm 15 Days	SS	

DESCRIPTION	TOTAL
<p>Metro Power Systems, Inc, is pleased to provide you with an Estimate to perform the specified work listed below:</p> <p>Re: 40KW Generac Generator (Enclosure Replacement)</p> <ul style="list-style-type: none"> * Disconnect the power from the battery charger and remove the battery cables. * Dismantle the complete steel enclosure due to severe corrosion. * Install a complete aluminum enclosure in place with all new hardware. * Remove and replace the battery for the generator set. * Apply corrosion protection and new terminal protectors to the new battery. * Connect the battery cables and start the unit to verify proper operations. <p>Notes:</p> <ul style="list-style-type: none"> * Customer is responsible for transportation of technician(s) to and from Upper Captiva, including transportation on the island (Golf Cart / Trailer) to transport the material and tools to the fire station. * Customer is responsible for disposal of the corroded enclosure or transportation of the corroded material back to the marina for disposal. * Replacement of the complete enclosure will take 1-2 days to complete. * The steel enclosure is obsolete and no longer available. (Aluminum Only) <p>Total Due</p> <p>NOTE: Any other work, unless specified above, will be extra.</p>	6,993.08

If you have any questions or concerns, please do not hesitate to call us at 239-337-1311

TOTAL



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TERMS	REP	PP
Firm 15 Days	SS	

DESCRIPTION	TOTAL
<p>ACKNOWLEDGMENT AND ACCEPTANCE It is hereby agreed and understood that the aforesaid terms and conditions are satisfactory and are hereby accepted. Labor and materials for the above work is ordered by me for which I have the authority to order. Down payment of 50% is due upon contract acceptance. Balance shall be net due in full upon completion. If payment is not made. Metro Power Systems, Inc. will be entitled to 1-1/2 % per month interest on the unpaid balance until paid, and any collection costs and attorneys' fees incurred in the collection of this account, whether or not a lawsuit is commenced. As the owner or authorized representative I/We fully authorize Metro Power Systems, Inc., and/or their licensed sub-contractors (if any) to proceed with the work.</p> <p>_____ Date _____</p> <p>Authorized Signature</p> <p>_____</p> <p>Print name and title</p>	

If you have any questions or concerns, please do not hesitate to call us at 239-337-1311	TOTAL	\$6,993.08
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Estimate

DATE	Estimate #
7/28/2017	072817-2

STATE CERTIFIED
 65042000012005
 EC13003140
 CFC024472
 Insured

PO Box 62495 Fort Myers, FL 33906
 Tel: 239-337-1311 Fax: 239-936-0993

NAME / ADDRESS

Upper Captiva Fire Department
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 Tel: 239-872-2265

TERMS	REP	PP
Firm 15 Days	S.F.	

DESCRIPTION	TOTAL
<p>Metro Power Systems, Inc, is pleased to provide you with an Estimate to perform the specified work listed below:</p> <p>This is an estimate to replace the 40KW Generac Generator at Station #191 on Upper Captiva Island:</p> <p>Generator Description: 41KW LPG 240V Single Phase generator with a PSI Engine Level 2 Aluminum Enclosure with a Critical Grade Silencer Battery & Battery Charger included with unit. The generator will be brought to a location determined by the customer for barge delivery Barge delivery for a small lull forklift and the generator to be provided by customer Customer to supply travel to and from Upper Captiva Island for Metro Power Systems personnel</p> <ul style="list-style-type: none"> * Disconnect all power from the generator and ATS * Remove all fuel lines * Unfasten and remove the old generator * Install new 40KW generator in place of the old one. * Reconnect the fuel lines to the generator. * Reconnect all wiring from the ATS to the generator * Operate generator, transfer building load and set all parameters to customers satisfaction * Remove all debris from work area and dispose of properly. <p>Notes: Lead time for equipment is 8-10 weeks from the date of down payment The original ATS, cables, and fuel lines are to be use for this quote</p>	

If you have any questions or concerns, please do not hesitate to call us at 239-337-1311

TOTAL



Estimate

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7/28/2017	072817-2

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TERMS	REP	PP
Firm 15 Days	S.F.	

DESCRIPTION	TOTAL
<p>Exclusion from quote: Freight will be invoiced with final bill with a copy of the freight bill. (Estimated \$1,500.00 - \$2,000.00) Any DEP / Permits / Inspection Fees if needed we will invoiced with the final invoice.</p> <p>Total Due</p> <p>NOTE: Any other work, unless specified above, will be extra.</p> <p>ACKNOWLEDGMENT AND ACCEPTANCE It is hereby agreed and understood that the aforesaid terms and conditions are satisfactory and are hereby accepted. Labor and materials for the above work is ordered by me for which I have the authority to order. Progressive billing will be as follows: 60% down payment, 25% upon delivery of materials, and 15% upon completion. If payment is not made, Metro Power Systems, Inc. will be entitled to 1-1/2% per month interest on the unpaid balance until paid, and any collection costs and attorney's fees incurred in the collection of this account, whether or not a lawsuit is commenced. As the owner of his/her authorized representative I/We fully authorize Metro Power Systems, Inc., and/or their licensed sub-contractors (if any) to proceed with the work.</p> <p>_____ Authorized Signature</p> <p>_____ Date</p> <p>_____ Print name and Title</p>	<p>22,874.59</p>

If you have any questions or concerns, please do not hesitate to call us at 239-337-1311	Page 2	TOTAL	\$22,874.59
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