



PINAL COUNTY
wide open opportunity

**IFB PC-121018
Generator Maintenance &
Repair**

Response Form

Pinal County
Finance Department
31 N. Pinal St.
Bldg. A
P.O. Box 1348
Florence, AZ 85132

Responder Name: *WW Williams*

Responders shall complete the following Response Form, indicating their responses in the spaces provided. Additional pages may be added so long as they are clearly referenced in the spaces provided.

Acceptability of Responses

Offers that do not include this completed Response Form or that do include an incomplete Response Form or that include a completed Response Form with unacceptable responses may cause the entire offer to be deemed unacceptable and therefore non-responsive.

1 Price

Responders shall complete the following pricing information below based on the generator size, level of service and recommended frequency as described in the table below.

1.1 Maintenance Services

Level of Service	Description of Service	Recommended Frequency
Annual Service	<ol style="list-style-type: none"> 1. Change all filters and oil 2. Collect oil sample 3. Inspect all vital parts of engine & generator, including belts, hoses & fluids. 4. Test ATS (Automatic Transfer Switch) 5. Operate engine/generator at no load 	250 hours or annually
Interval Service	<ol style="list-style-type: none"> 1. General inspection of all belts, hoses, fluids and ATS (Automatic Transfer Switch) 2. Provide detailed report on work performed 	Annually, plus up to 3 additional times a year
Load Bank Test	<ol style="list-style-type: none"> 1. Perform load bank test for one hour at 80% rating 2. Provide a detailed load test report 	Annually



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Generator Size	Price for Annual Service	Price for Interval Service	Price for Load Bank Test
50 KW	\$312.00	\$183.00	\$212.00
125 KW	\$390.00	\$183.00	\$212.00
150 KW	\$390.00	\$183.00	\$212.00
200 KW	\$462.00	\$183.00	\$212.00
250KW	\$540.00	\$183.00	\$212.00
350 KW	\$680.00	\$183.00	\$212.00
400 KW	\$780.00	\$183.00	\$212.00

1.2 Hourly Rates and Parts and Equipment Discount

Per Section 2.1.4, the County's normal business hours are Monday through Friday from 6:00 a.m. to 4:30 p.m. Services required after these times are considered after hours or emergencies, which includes Saturday and Sunday and Holidays.

Rate Description	Rate
Regular Hourly Rate	\$72.00
After Hours Rate	\$108.00
Other Hourly Rate _____	NA
Travel Rate	\$1.00/mile
Parts and Equipment Discount	-20%

1.3 Availability

Per Section 2.1.4, the Contractor shall be available to respond to emergency service requests twenty-four (24) hours, seven (7) days a week. Per Section 2.1.5, the Contractor further agrees to arrive onsite within 4 hours after the County's request for emergency services.

Services available 24 x 7	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Guaranteed emergency response to arrive onsite within 4 hours after notification	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>



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2 Capacity of Offeror

2.1. Responder shall provide:

2.1.1 Name, Title and email address of Primary Responder

Bob Sevinsky Generator Service Tech
rsevinsky@wwwilliams.com

2.1.2 Address, phone, fax and email address of Primary Servicing Office

WW Williams SW 1375 W Glenn Street Tucson AZ 85705

Tel: 24/7 800 944 8641 Fax: 602 257 8641

WW Williams SW 2602 S 19th Ave Phoenix AZ 85009- Scheduling/billing/additional technicians

2.2 Responder shall provide general background information regarding their company. Responder shall describe their overall experience in the industry relative to the services offered. Per Section 2.1.7, Responder shall indicate if they have a minimum of five (5) years experience in generator maintenance and repair.

Bob has been with the W.W. Williams Company for approximately 23 years as of this August. In that time he has attended many classes like Gen 1 and Gen 2, John Deere power systems, several electrical classes which entail engine electronics and some controller electronics. He has also attended Engine overhaul and Dale Carnegie classes. Bob is EGSA (Electrical Generating systems Association) certified. He served my country with the United States Army for 6 years and is a self starter and he is prompt with my service appointments. He regards his customer's equipment as his own and maintains its operation and service to the highest standards.

In addition Rodger Loughlin your account manager has been in the Power Gen industry for just over 20 years, Most of that time has been as an engineer and he has a degree in electro-mechanical engineering. Originally from Ireland he has travelled the world carrying out training, installs and troubleshooting Power Gen issues. He is also a 6Sigma certified project manager and on call for any issues you might have.

Minimum of five years experience?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
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2.3 Per Section 2.1.6, Responder shall indicate if their technicians are EGSA certified and include copies of current certificates with their response.

Technicians EGSA certified?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
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2.4 Responder shall indicate which brands of generator they can service. See Exhibit 1 for specific model numbers.

Generator Brand	Capable to service?
Caterpillar	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Cummins	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Generac	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Kohler	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Onan	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>



AC Generator:

45	Inspect guard for loose or missing parts	X	X
46	Inspect AC connections for tightness	X	X
47	Inspect exciter and brushes / slip rings	X	X
48	Inspect generator bearing	X	X
49	Lube generator-bearing (external access only)	X	X

Test Generator without load:

50	Inspect louvers and duct work	X	X
51	Inspect vibration isolators	X	X
52	Check for abnormal noise	X	X
53	Check for excessive crankcase discharge	X	X
54	Check governor response	X	X
55	Check for operation of remote equipment (fan motors, valves, pumps and louvers)	X	X

Engine Exhaust System:

56	Check exhaust systems for leaks	X	X
57	Inspect exhaust outlet protection	X	X
58	Drain condensation trap (if accessible)	X	X
59	Check for broken or missing hardware	X	X
60	Check for engine wet stacking	X	X

Engine Instrumentation:

61	Check all instruments and lamps for proper operation	X	X
62	Inspect the remote annunciator (if applicable)	X	X
63	Check hour meter operation	X	X
	Check and record engine readings:		
64	Tachometer	X	X
65	Hours	X	X
	Oil pressure at operating RPM		
66	Hot PSI	X	X
67	Cold PSI	X	X
68	Engine coolant temperature	X	X
69	Voltmeter	X	X
70	Ammeter	X	X

AC Instrumentation:

71	Check and record AC voltage and adjust as necessary	X	X
72	Check and record AC frequency	X	X

Engine Protection System:

73	Check over crank device(s) for proper operation	X	X
74	Test low oil pressure shutdown operation	X	X
75	Test high water temperature shutdown operation	X	X
76	Check over speed shutdown operation	X	X
77	Test pre-alarms (if applicable)	X	X
78	Check instrument panel emergency alarm and lights for proper operation	X	X

Switchgear / Automatic Transfer Switch (es) – “Level 1”:

79	Inspect general cleanliness (Interior/Exterior)	X	X
80	Inspect for signs of moisture	X	X
81	Inspect lugs, terminals, connections and wiring	X	X
82	Check audio signaling (if applicable)	X	X
83	Check indicating lights	X	X

Misc:

84	Wipe down engine and valve covers	X	X
85	Return all controls to normal operating positions	X	X
86	General condition of generator set and room	X	X
87	Complete and supply all inspection documentation	X	X
88	Will properly dispose of fluids and filters		X



ADDITIONAL SERVICES

Misc:

1	Oil sample taken for laboratory analysis		
2	Fuel sample taken for laboratory analysis		
3	Coolant sample taken for laboratory analysis		
4	Change air filters		
5	Load Bank Testing per customer specifications ❖ Record volts, amps, freq., kW's, ambient temperatures, oil pressure, water temp, and hours at 15-minutes intervals. Complete and supply load bank documentation.		

Note: Some items require approval of Customer to de-energize transfer switch and transfer building load.

6	Building Test (with Customer approval): a. Simulate normal power failure b. Transfer switch to generator c. AC voltmeter phases 1, 2, and 3 (if applicable) d. Amp meter phases 1, 2, and 3 (if applicable) e. Frequency meter f. Time delay engine start g. Time delay normal to emergency h. Time delay emergency to normal i. Time delay engine cool down j. Test and record lug temperature with infrared thermometer		
7	Switchgear / Automatic Transfer Switch (es): Level 2 Inspection a. De-energize switchgear / transfer switch b. Secure and lockout switch disconnects c. Disable engine start signals d. Check all fuses for proper size e. Visually check for binding or wear of mechanical linkage f. Manually operate contactor assembly g. Lubricate as required h. Remove arc chutes and pole covers i. Check contact alignment j. Inspect for arc damage or contact pitting k. Clean contacts (if necessary) l. Install arc chutes and pole covers m. Clean interior and exterior of cubicle n. Enable engine start signals o. Energize switchgear / transfer switch p. Return switch to standby operation q. Operational test		
8	Switchgear / Automatic transfer switch (es): Level 3 Inspection a. All items included in level 1, plus the following (while equipment is de-energized) b. Check tightness of bus connections c. Check switches for free movement and contact continuity d. Check relay finger contacts and adjust if needed e. Inspect metering and control transformers f. Check common grounds, measure resistance to ground g. Remove draw-out switch h. Clean and lubricate draw-out mechanism as required i. Check resistance through contacts j. Check control contact operation k. Clean and lubricate TS coil and operating mechanism l. Reinstall draw-out switch and check operations		

Other:

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11			



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Misc:

1	Oil sample taken for laboratory analysis		
2	Fuel sample taken for laboratory analysis		
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