

**Town of Underhill
ARPA Funds Use Proposal [-Phase 1**

Committee/Group/Individual Requesting Funding: Energy committee

Contact Name: Jerry Adams

Phone Number: 802 3543 5950

Email: adamseng3@comcast.net

Date: 1/14/2023

Proposal Name/Brief Description: Generator for Town garage.

Proposal for 38 KW Kohler propane Generator, cement pad, associated wiring, and automatic transfer switch that automatically transfers shop loads to or from utility power. Proposal does not cover propane hookup.

A preventative maintenance proposal, that is not mandatory, is \$495 annually or \$795 semiannually covers routine maintenance and upgrades.

A proposal for cost savings of \$3,000 is offered that would preclude use of the welder and air compressor (*would eliminate use of air tools and jacks*) GWA

Estimated Cost/Description of Estimate Process (use the space here and attach additional pages and any supporting documents): \$38,245.

Generator proposal for Town garage: Brookfield Electric

Please Answer the following questions by marking the answer in the space provided.

Benefit to Town of Underhill

Does this proposal

	YES	NO	Not Sure
Invest in the town without creating a need for additional or ongoing revenue or expenses? Is this a one-time expense?			
Benefit a population that was disproportionately impacted by the pandemic?		X	
Benefit a population underserved prior to the pandemic?		X	
Mitigate and/or help the Town adapt to the effects of climate change?	X		
Improve or create infrastructure for Underhill? Ex. Natural resources, pedestrian access, transportation but not limited to	X		
Align with or impact the goals and priorities of the Town Plan? LINK			X

Comments:

Feasibility of Project

Can this proposal

	YES	NO	Not Sure
Be fully planned, estimated and obligated to the Town by December 31, 2024?	X		
Be fully completed and paid for by the end of 2026?	X		
Be used to leverage or match other grants, funds or projects?	X		



Brook Field Service

Providing Shelter from the Storm

PO Box 47 Northfield, VT 05663 – Toll Free: 866-POWER-97

January 1, 2023

Jennifer Silpe-Katz
Town of Underhill
PO Box 120
Underhill, VT 05489
Jsilpe-katz@underhillvt.gov

Subject: Underhill Town Garage Generator Project

Dear Jennifer,

Thanks for the opportunity to quote your project.

We are pleased to offer the following for your consideration.

- Kohler Propane Generator Model 38RCLB rated at 38KW standby, 120/240 single phase with the following accessories:
 - Electronic Isochronous governor
 - RDC2 Control Panel
 - Program and upload generator controller software
 - 5 year warranty for parts, 2 years for service
 - 125 amp main circuit breaker
 - Aluminum Sound Attenuated Outdoor Generator Enclosure
 - Dealer prep and testing at our shop
 - Configure gas system for LP Vapor
 - Cold Climate Model
 - Configure engine for cold weather operation
 - Install block heater
 - Install 12 Volt Heavy Duty Interstate Battery
 - ASCO 300 Series 400 amp Nema 12 Service Entrance Rated Automatic Transfer Switch
 - Complete mechanical and electrical installation of the system per National Electric Code.
 - Site work/trenching/generator cement pad.
 - Gas connection by Propane Company
 - VT Electrical permit and inspection
 - VT Public Safety generator inspection sticker

Equipment and Services as detailed

FOB Underhill, VT - \$38,245.00

Terms: 30% down upon acceptance of order balance due upon project completion

Note: Some cost savings could be realized if the compressor and welder were electrically shed their loads the generator could be downsized also. Also, If the ATS can be changed to a Kohler RXT 400A SER, Nema 3R. a savings of \$3,000.00 could be realized.

Other Notes:

- We are factory authorized/trained for service for the generators that we sell
- We are local.
 - Utility charges, if any, are not included in this quote and would be extra.
- Fuel tanks to be provided and connected by your supplier and is directly billed by them and is not part of this quote.
- Kohler is the #1 rated brand by Consumer Reports Magazine
- Delivery within 25-40 business days from order.
- Brook Field Service provides 24 hour 7 day a week emergency service for our customers. We have the largest generator tech team in Vermont.
- We are Kohler's largest Vermont Dealer
- Techs are factory trained and TQP certified by the State of VT for generators

Best regards,

Joe Torro

Customers Name: _____

Accept Proposal: _____ Date: _____

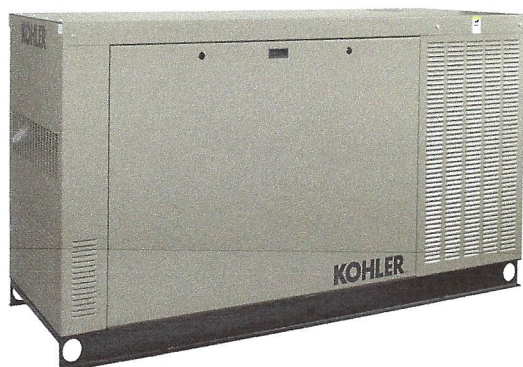
We provide Factory Trained Service, for what we Sell!



CONFIDENTIALITY:

This quote contains information that is privileged and confidential. Unless you are authorized, by Brook Field Service, you may not use, copy, or disclose this quote to anyone. Thank you.

ISO 9001
KOHLER®
NATIONALLY REGISTERED



The Kohler® Advantage

- **High Quality Power**
Kohler home generators provide advanced voltage and frequency regulation along with ultra-low levels of harmonic distortion for excellent generator power quality to protect your valuable electronics.
- **Extraordinary Reliability**
Kohler is known for extraordinary reliability and performance and backs that up with a premium five-year or 2000 hour limited warranty.
- **Aluminum Enclosure**
Attractive aluminum enclosure allows installation as close as 18 inches from your home or small business.
- **Quiet Operation**
Kohler home generators provide quiet, neighborhood-friendly performance.

Generator Set Ratings

Alternator	Voltage	Ph	Hz	Standby Ratings			
				Natural Gas		LPG	
				kW/kVA	Amps	kW/kVA	Amps
4E8.3	120/240	1	60	38/38	159	38/38	159
	120/240	1	60	34/34	142	34/34	142
	120/208	3	60	38/48	132	38/48	132
4D8.3	127/220	3	60	38/48	125	38/48	125
	120/240	3	60	38/48	114	38/48	114
	277/480	3	60	38/48	57	38/48	57

* 50 Hz options available. Contact your Customer Service representative.

RATINGS: All three-phase units are rated at 0.8 power factor. All single-phase units are rated at 1.0 power factor. Due to manufacturing variations, the ratings tolerance is $\pm 5\%$. **Standby Ratings:** Standby ratings apply to installations served by a reliable utility source. The standby rating is applicable to varying loads with an average load factor of 80% for the duration of a power outage. No overload capacity is specified for this rating. Ratings are in accordance with ISO-3046/1, BS 5514, AS 2789, and DIN 6271. **GENERAL GUIDELINES FOR DERATING:** *Altitude:* Derate 1.3% per 100 m (328 ft.) elevation above 200 m (656 ft.). *Temperature:* Derate 3.0% per 10°C (18°F) temperature above 25°C (77°F). Availability is subject to change without notice. The generator set manufacturer reserves the right to change the design or specifications without notice and without any obligation or liability whatsoever. Contact your local Kohler generator distributor for availability.

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Standard Features

- Kohler Co. provides one-source responsibility for the generating system and accessories.
- The generator set and its components are prototype-tested, factory-built, and production-tested.
- The generator set accepts rated load in one step.
- A standard five-year or 2000 hour limited warranty covers all systems and components.
- Quick-ship (QS) models with selected features are available. See your Kohler distributor for details.
- Meets 291 kph (181 mph) wind load rating.
- GFCI service outlet installed on the junction box.
- RDC2 Controller
 - One digital controller manages both the generator set and transfer switch functions (with optional Model RXT transfer switch).
 - Designed for today's most sophisticated electronics.
 - Electronic speed control responds quickly to varying household demand.
 - Digital voltage regulation protects your valuable electronics from harmonic distortion and unstable power quality.
 - Two-line, backlit LCD screen is easy to read in all lighting conditions, including direct sunlight and low light.
- Engine Features
 - Powerful and reliable 2.2 L turbocharged liquid-cooled engine
 - Electronic engine management system.
 - Simple field conversion between natural gas and LPG fuels while maintaining emission certification.
- Innovative Cooling System
 - Electronically controlled fan speeds minimize generator set sound signature.
- Certifications
 - The 60 Hz generator set engine is certified by the Environmental Protection Agency (EPA) to conform to the New Source Performance Standard (NSPS) for stationary spark-ignited emissions.
 - cUL/UL listing, CSA certification standard are available (60 Hz only).
 - Accepted by the Massachusetts Board of Registration of Plumbers and Gas Fitters.
 - Meets NFPA 37 requirements for 18 in. offset for installation.
- Approved for stationary standby applications in locations served by a reliable utility source.

Gerard,

\$495.00 plan 1 (once a year)
\$795.00 plan 2 (twice a year) details in the Plan 2
section of the attached doc.

Stay Healthy & Best regards,

Jim Brockhausen

(o) 802-485-6567

(f) 802-485-6690

jim@brookfieldservice.com



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PO Box 47 Northfield, VT 05663 – Toll Free: 866-POWER-97

We provide “REAL” Factory Trained Service, for what we Sell!

Preventative Maintenance Service

Annual Major PM Service (Plan 1) \$ 495.00

BFS will perform the following tasks during the Annual Full PM as well as the “6-Month Preventive Maintenance Procedures” outlined.

- a. Replace fuel filters annually.
- b. Take fuel sample for analysis annually checking for water, bacteria, cloud point. (diesel)
- c. Check Ph of coolant on site.
- d. Take sample of coolant annually for analysis. (liquid cooled units)
- e. Take sample of engine oil. (liquid cooled units)
- f. Drain and refill engine oil sump.
- g. Remove and replace engine oil filters annually. Date the oil filter when changed.
- h. Check injection pump. (diesels units)
- i. Check for leaks, belts, hoses and clamps (liquid cooled units)
- j. Install new battery every 3 years for liquid cooled units and every 4th year for air cooled engines. BFS is responsible for removal and disposal of old and installation of new.
 - i. Battery must be load banked for both plan 1 & 2
 - ii. Battery pads replace on Plan 1
 - iii. When batteries are replaced, they should be marked with the date.
 - iv. Do not use a screwdriver to loosen terminals. Use a spreader.
- k. Check air filters annually and replace as needed.
- l. Test anti-freeze freeze point. (liquid cooled units)
- m. Start generator and test output voltage frequency.
- n. Test battery and battery charger.
- o. Simulate ALL emergency alarm and shutdown functions.