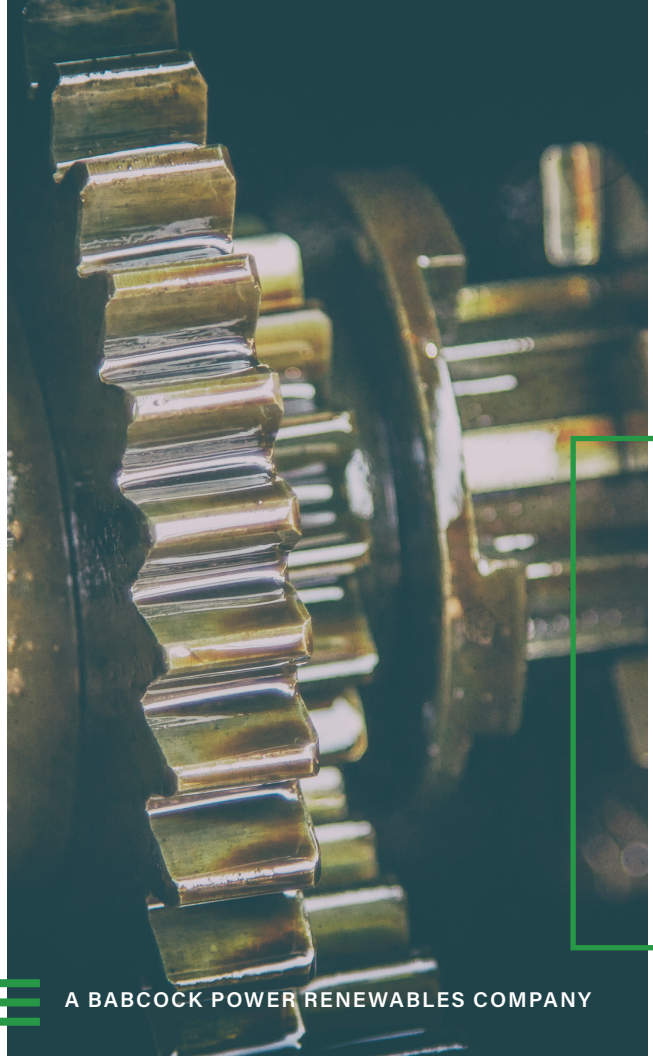

Renewable Concepts

WIND TURBINE FLUID CHANGE SERVICES

PROTECTING CRITICAL TURBINE COMPONENTS THROUGH PREVENTATIVE MAINTENANCE

Proper lubrication is essential to the long-term health and performance of wind turbine systems. Routine fluid changes help protect critical components from contamination, micro-pitting, overheating, and premature wear - reducing the risk of costly failures and unscheduled downtime.

At Renewable Concepts, we provide efficient, full-service fluid exchange solutions designed to maximize equipment reliability while minimizing operational disruption. Our experienced technicians and advanced fluid handling systems help ensure turbines remain properly maintained and operating at peak performance.

A BABCOCK POWER RENEWABLES COMPANY

1402 Main Street, Neodesha, KS 66757 | 620-636-6040 rcbpi.com

WHY FLUID CHANGES MATTER

KEEP YOUR TURBINES TURNING

Turbine components operate under extreme stress. Over time, lubricants break down, collect contaminants, and lose protective ability—leaving systems vulnerable to premature gearbox wear, bearing damage, elevated temperatures, hydraulic system contamination, reduced efficiencies and costly unplanned outages. Proactive fluid maintenance helps extend equipment life, improve turbine reliability, and reduce overall operating costs.

rcbpi.com | 620-636-6040

CAPABILITIES

FLUID EXCHANGE SYSTEMS

- Gearbox oil changes
- Yaw drive fluid changes
- Pitch drive fluid changes
- Anti-freeze & cooling system changes

OUR ADVANCED OIL CHANGE SYSTEMS UTILIZE:

- Filtration technology
- Flush systems
- Vacuum transfer technology
- Heated oil for cold weather ops

FLEXIBLE SERVICE OPTIONS BUILT FOR THE FIELD

STAFFING OPTIONS

Optional daily rate includes one dedicated technician—customers can pair their own uptower crew to reduce labor costs, increase scheduling flexibility, and improve site efficiency.

HEATED TRAILER SYSTEM

Enclosed trailer with oil warming capabilities reduces service delays and improves fluid flow in cold weather conditions.

BENEFITS

- Reduced turbine downtime
- Faster fluid exchange times
- Improved equipment reliability
- Cleaner, safer fluid handling
- Extended component life
- Flexible service models
- Lower maintenance costs
- Tailored to site needs

Renewable Concepts delivers turbine-ready maintenance backed by experienced technicians, proven processes, and a focus on safety and performance. From preventative maintenance to fleet servicing, we provide reliable fluid change solutions that protect your investment and keep turbines turning.

A fluid change costs a fraction of a gearbox replacement. Renewable Concepts makes proactive maintenance simple—keeping turbines running and repair costs down.

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GENERAL SERVICES

Maintenance

- Break-Ins
- Preventative/Annual
- Base bolt Tensioning
- Site Support/Backfill
- Troubleshooting
- Gearbox & Hydraulic Lubricant Exchanges
- Retrofit Campaigns

Inspections:

- End of Warranty
- Pre and post Repower
- QA/QC

LARGE CORRECTIVE

- Yaw Drive Replacement (without use of an external crane)
- Pitch Drive Replacement
- Pitch Ram Replacement
- Generator Replacement
- Single Blade Replacement
- Gearbox Replacement
- Main Bearing Replacement
- Pitch Bearing Replacement
- Rotor Replacement

COMPOSITES

Blade Repairs at Height:

- Lightning Damage
- Leading Edge Protection
- On Site Pre-Erection Repairs
- Blade Inspections
- Blade Balancing
- Nacelle Repairs
- Part Fabrication

FLUID CHANGE SERVICES

WELDING & MACHINING

- Frame Welding Repairs
- Welding & Machining at Height (Uptower)
- Yaw/Pitch Tooth Repair & Replacement
- Yaw & Slew Ring Milling
- Major Structural Repairs
- Bolt Extraction, Heli-Coil
- Braking Surface Restoration
- Tower Deck Brackets
- Complete Fabrication Facility Available for Projects Large & Small
- Blade Stands, Fixtures & Tooling