



County Commission Names Environmental Business of the Year Cyclone Power Technologies

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The Broward County Environmental Protection and Growth Management Department recently recognized several local businesses for their outstanding environmentally-responsible business practices and named the Environmental Business of the Year. Each business received an Emerald Award for their exceptional efforts in protecting the environment.

This year's Environmental Business of the Year award went to Cyclone Power Technologies Inc. of Pompano Beach, a research and development company with more than 68 patents, including patents for the development of the Green Revolution Engine and Waste Heat Engine.

Cyclone Power Technologies' environmental achievements include:

- Cyclone holds the U.S. patent, international patent applications, and exclusive commercial rights to the Cyclone Engine "Green Revolution Engine™" an environmentally-friendly and highly-efficient external combustion, heat-regenerative engine.
- The Cyclone engine regenerates (or recycles) its heat, which allows it to run cleaner, cooler and more efficiently than traditional internal combustion engines. It is capable of running on any liquid or gaseous fuel, including ethanol, bio-diesel, and propane (same engine with no changes) and is lubricated with de-ionized water instead of motor oil.
- The company also recently filed a patent application for its Waste Heat Engine, a low-pressure engine capable of running on heat emitted from external sources, including the waste exhaust of a another engine, bio-mass, or solar power.
- Both these engines are lubricated with de-ionized water instead of motor oil, and by eliminating many subsystems like oil pumps, radiators, transmissions, catalytic converters and fuel injectors, the Cyclone Engines are expected to cost less to manufacture, operate, and maintain.

The Emerald Award program recognizes businesses for their voluntary efforts in four areas: waste reduction, recycling, improved operating practices, and other "green" strategies that reduce pollution and waste. Both large and small businesses are eligible. One business, each year, is honored with the title "Environmental Business of the Year."

"This county program encourages businesses and government to be mindful of the impact their operations have on the environment and recognizes those who take steps to mitigate negative impacts," said Broward County Mayor Lois Wexler.

Receiving an Emerald Award can help companies boost business. Research has shown that a company's environmental reputation will rival quality and brand name as criteria used by customers. Environmentally-friendly business practices can help companies attract new customers, encourage repeat customers and boost employee morale.

This year's Emerald Award winning businesses, by category, are:

- Pollution Prevention: Hazardous Waste Reduction: Small Business, City of Tamarac - Water Treatment Plant; Large Business, Broward Health - Community Health Services & Practice Group, Fort Lauderdale.
- Recycling: Large Business, JM Family Enterprises Inc., Deerfield Beach
- Innovative Procedures/Process Improvement: Small Business, Cyclone Power Technologies, Inc., Pompano Beach;

Large Business, Pizza Fusion, Fort Lauderdale.

- Green Products/Practices or Programs: Small Business, Unique Cleaners and Tailors of Coral Springs, Coral Springs; Large Business, Covenant Village of Florida, Plantation

The Emerald Awards program also includes a component to reward homeowners, governments and other groups that have incorporated NatureScape Broward techniques into their landscaping. NatureScape yards are designed to conserve water by using native plants in place of lawn; provide food, water and shelter for wildlife; use integrated pest control practices; reduce storm-water contaminated by pesticides and fertilizers; and recycle yard waste into mulch and compost.

NatureScape Emerald Award Winners:

- Homeowners: Sue Reed, Plantation, and Laurie Schecter, Hollywood.
- Municipality/Government: Oakland Park City Hall
- Special Achievement: Mary Help of Christians Church, Parkland, and City of Pembroke Pines Utilities Department

More information, including application procedures and guidelines, is available online at www.broward.org/environment, or call 954-519-1257.

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Photo caption: The Emerald Award Trophy is presented to Cyclone Power Technologies Inc. representatives by Broward County Commissioner Kristin D. Jacobs. From left are Frankie Fruge, Chief Operating Officer; Harry Schoell, President and CEO; and Commissioner Jacobs.

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