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eCycle to provide high efficiency APU for trucks and locomotives

(Temple, PA – February 2, 2005) eCycle recently signed an agreement with the technology unit of a major U.S. transportation company to provide auxiliary power on locomotives and trucks in the customer's fleet. Under the agreement, eCycle's auxiliary power unit (APU) is being evaluated to address the anti-idling laws that are being enforced throughout the United States.

Diesel engines are often kept idling to maintain battery charge while the operator runs AC powered appliances and climate control. This process wastes fuel and violates anti idling laws. Instead of using the main diesel engine to keep the battery charged, the operator uses the eCycle APU, consisting of a 6HP diesel engine close coupled to the company's high efficiency generator. The operator merely turns on the eCycle APU when the main diesel engine is turned off. The APU supplies AC via inverters and keeps the batteries charged and ready to restart the main diesel engine.

Until now, there has not been a generator available that can adequately produce high current in a low voltage system. eCycle's unique electronically commutated motor/generator (CMG) utilizes SolidSlot™ technology that replaces traditional windings with bars of copper. These improvements result in a super power dense generator that delivers high current at low voltage to keep the battery charged while providing sufficient current to support all electrical needs. In addition to significant annual savings in fuel, the eCycle APU significantly reduces maintenance costs and downtime resulting in increased profitability, longer engine life and less air pollution.

eCycle believes this agreement is the first of many partnerships to provide equipment that directly addresses the anti-idling legislation.

About eCycle (www.ecycle.com)

Established in 1996 and located in Temple, PA, eCycle produces a line of advanced brushless motors and generators, which have a wide range of applications in commercial, industrial, and consumer markets worldwide, particularly for mobile applications.
