



Metro-North Railroad recently awarded Brookville Equipment Corporation (BEC) a contract for 11 brand new, low-emission locomotives for use on the Shore Line East and Danbury and Waterbury branches. These new locomotives will be manufactured in Brookville, Pennsylvania and shipped between the last quarter of 2007 and the first quarter of 2008.

The project was made official in July of 2006 and four similar locomotives, to be used by the Staten Island Railroad. The deal also includes an option for up to 10 locomotives in addition to the original 15.

Dalph S. McNeil, President & CEO of BEC, says he is proud that Brookville can be the first to supply clean locomotive power to these two transit railroads. “This is an important step for Brookville as it solidifies our position in the industry for advancing technology in manufacturing fuel efficient, low-emission switcher and road switcher locomotives. The 2000 traction hp, single engine locomotives will be among the lowest emission, 4-axle locomotives produced to date in the US, meeting and exceeding EPA Title 30, Part 92, Tier 2 requirements,” states McNeil.

Larry J Conrad, Vice President of Engineering and also locomotive Project Manager, states “Brookville is eager to work with Metro-North on this technologically advanced project. Brookville has been providing low emission, high traction solutions for many years in the mining industry, and has implemented this knowledge into our industrial locomotives. We are proud that Brookville can offer a domestically manufactured, highly productive, yet, low emission locomotive.”

In 2000, BEC produced two 70-ton diesel-electric switchers for Metro-North Commuter Railroad in New York City; approximately a \$2 million project.

In addition to single engine locomotives, BEC plans to unveil the first of a new generation of locomotive: a new multi engine CoGeneration™ series. Operating with a diesel engine, batteries, or overhead catenary, or any combination, these CoGeneration™ locomotives can have up to three shared power sources enabling near zero emissions and lower fuel costs. Diesel NOx emission is 51% lower than required by the EPA, and there is a 95% reduction in Diesel Particulate Matter. Not only does the CoGeneration™ lower emissions but it also reduces noise as the engine and alternator operate at the slowest speed necessary to provide the required power. IGBT controls are implemented to enhance traction motor control. Auxiliary Power Units add standby power for auxiliary systems.

CoGeneration™ is a process where power is generated by two or more sources simultaneously or individually to achieve maximum efficiency and minimum emissions.

Brookville Equipment Corporation has been manufacturing locomotives in Pennsylvania since 1918 and throughout the years has expanded its line to include haulage equipment for mining and tunneling, aircraft ground support equipment, and nostalgic streetcars with modern amenities.