Green Energy Summit

# Topical Session 1-8

**Date:** **Wednesday, March 24, 2010**

**Time:** 4:40 p.m. -5:00 p.m.

**Presenter:** ***"MicroCogeneration Technology – The Future of Home Energy"***

Mike Cocking
Director of Marketing, Marathon Engine Systems

MicroCogeneration is an adaptation of a technology that has been around for over one hundred years. The concept of utilizing heat that is generated in the production of electricity is not new--- just the small scale is new. Why is this? Simply put, advances in internal combustion engine technology have created this opportunity.

The ecopower™ microcogeneration appliance was introduced just over two years ago in North America and has found a niche in the residential and light commercial heating market because of its high efficiency—greater than 85% . This technology utilizes a unique long life (4,000 hours between maintenance), internal combustion engine that is fueled by natural gas or propane. This type of appliance is very popular in Europe and Japan, areas where energy efficiency is recognized as key to the future. It is packaged so that it is located in a utility area and provides hot water for heating and/or domestic use. The "Co-product" of this hot water generation is "free" electricity. For larger applications (laundromats, car washes, swimming pools, or larger buildings) these units can be synchronized together for higher energy requirements.

**Presenter Biography:** **Mike Cocking**

Mike Cocking graduated with a BS in Mechanical Engineering from the University of Wisconsin. After graduation he served in the Marine Corps for five years then worked in the acoustic and vibration analysis field. Twenty-seven years ago he became involved in the contract manufacturing industry in Wisconsin. This evolved into the microcogeneration field with Marathon's purchase and redevelopment of the ecopower™ cogen appliance. He has been working within the cogen/distributed energy field these past six years as Sales Manager, General Manager, and now Marketing Director of Marathon Engine Systems.