Walkerswood Jerk Sauce Energy Project

THE PROJECT:

- Design efficiency is 75% and will produce:
  - 65 kW electrical capacity or 90% of the plant’s electrical demand.
  - 120 kW of hot water for boiler economizer, and will reduce their thermal demand by 48%.
  - Clean, Hot Exhaust Gas for product drying, a new drying concept for AML.

- Will reduce AML's energy cost by over 20% and reduce Jamaica’s Greenhouse Gas Emissions by 55 MT CO₂e per year or 14% when compared to energy from conventional sources. This equates to GHG emissions from 11 passenger cars or GHG emissions from electricity generation for 7 homes.

- Will be constructed by IEC the local “Distributor and Authorized Service Provider” for Capstone Turbine Corporation and will be maintained under a 10-year “Factory Protection Plan” administered by IEC.

- Is slated to be officially commissioned in December 2017.

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At a Glance

Associated Manufacturers Limited (AML) the parent company of Walkerswood Jerk Sauce, sought to reduce their cost of energy while diversifying their product offering to their clients.

AML sought the expertise of Innovative Energy Company (IEC) who offered them a gas fired (LPG or LNG) Capstone microturbine tri-generation solution.

Key Local Companies involved in the project are:
- Innovative Energy Company
  Developers and EPC
- Massy Gas Products
  Fuel Supplier
- HTG Engineering Consultants Ltd
  Mechanical & Electrical Engineers

General Note: Microturbine technology can bring meaningful energy savings to many organizations in Jamaica and the region that has energy demand of as little as 30 kW.

About IEC

IEC is the Authorized Distributor and Service Provider for Capstone Turbine Corporation. The principals of IEC have over 28-years’ experience in developing renewable, cogeneration, tri-generation and large scale energy projects, and have consulted for several of Jamaica’s blue chip companies.

Capstone Turbine Corporation is the world’s leading manufacturer of microturbines with over 85% market share. They have over 10,000 microturbines deployed worldwide with over 120 million operating hours. They are based in Chatsworth, California.