

APPLICATION OF MSW GASIFICATION PROJECTS IN THE CARIBBEAN BASIN

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Introduction

Islands located in the eastern Caribbean must address, like other parts of the World, the following issues:

- The management of solid waste and hazardous waste.
- The protection of the environment.
- Energy supplies.

These Islands are constrained in addressing these issues by the following:

- Indigenous fuel supplies generally do not exist on the Islands.
- High population densities limiting the quantity of land available for facilities; especially landfills, to manage solid waste and hazardous waste.
- The distance to off island permitted solid waste or hazardous waste management facilities is frequently hundreds of miles.
- Solid waste or hazardous waste must be transported to off island facilities via ship. This mode of shipping entails issues such as delays due to weather and transfer of waste between modes of transportation. Transportation and ultimate disposal costs are expensive.

Projects

The Thermoselect gasification technology is under review by governmental entities in the United States Virgin Islands and Puerto Rico. Both locations have difficult waste disposal challenges.