

TITLE: The Harvesting of Energy from Hurricanes

AUTHORS: Kahlil Cassie

SUPERVISORS: Professor R. Saunders



The objective of this project is to develop a method to harvest the energy of a hurricane. In doing this, it may be possible to discover the newest source of energy. Hurricanes may now prove to be useful to mankind rather than a disaster. We are about to challenge hurricanes and make them obsolete since they are about to become a reliable never-ending source of energy. If we implement this new concept, it is possible to retrieve money for any estimated damages caused.

In this project an offshore windmill is designed which fulfils the following requirements:

- Has an adequate design to withstand the physical conditions of a hurricane.
- Has an adequate design to function and manoeuvre accordingly to hurricanes.

The energy that is obtained from hurricanes will be stored by Superconducting Magnetic Energy Storage (SMES). These devices are capable of storing energy which may be used at a later time.