

Power Plants

POWER STATION

LUCELEC's Cul De Sac Power Station (CDSPS) is the sole power plant on the island. In 1990, the CDSPS was commissioned with 3 MAK engines which each had a capacity of 6 - 7 MW. With these units came a significant improvement in fuel efficiency.

Prior to 1990, LUCELEC had two major generating stations, one at Union and the other at Vieux Fort, which fed independent distribution systems in the North and South. These units were not very efficient because of their small size and because they were very old. They yielded 16 units of electricity per gallon of diesel. The Union and Vieux Fort power plants have since been closed down.

At present in addition to the three MAK units, we have seven larger Wärtsilä units; four 9.3 MW and three 10.2MW units. Cul De Sac Power Station now has 87.4MW installed generation and 86.2MW of available generation capacity. With these newer and larger engines particularly those commissioned in the last few years, fuel efficiency is now at 19.4 units per gallon.

The Cul De Sac Power Station feeds seven (7) substations across the island:

CUL DE SAC POWER STATION

REDUIT SUBSTATION

UNION SUBSTATION

CASTRIES SUB-STATION

SOUFRIERE SUB-STATION

VIEUX FORT SUB-STATION

PRASLIN SUBSTATION

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