

Where is St Lucia's first solar PV plant located?

On the 11 th April 2018,the St. Lucia Electricity Services Limited (LUCELEC) - the sole electric utility company on the island - completed the commissioning of the island's first utility-scale solar PV plant. The plant is rated at 3 megawatt (MW) and is located in La Tourney,Vieux Fort,just north of the Hewanorra International Airport.

How much energy does LUCELEC use a year?

The 3 megawatt solar farm will generate 7 million kilowatt-hours (or units) of electricity per year,which is about 1.3% of the electricity generated from LUCELEC's Cul De Sac Power Plant. It will reduce the annual volume of fuel purchased by LUCELEC by about 300 thousand gallons. LUCELEC uses approximately 19 million gallonsof fuel per year.

When did LUCELEC start building a 3 MW PV plant?

On the 20 th June 2017,LUCELEC signed a contract with the preferred bidder Grupotec to engineer,procure and construct (EPC) the 3 MW PV plant. The official groundbreaking ceremony was held on the 29 th September 2017,however,construction started in November 2017.

How much energy does a solar farm save?

In 2018 the solar farm generated 5.01 million kWh of electricity,which resulted in fuel savings of 257.7 thousand imperial gallonsof deisel and corresponding cost savings of EC\$1.99 million. To date,it has produced 24.7 million kWh of electricity leading to a fuel savings of 1.27 million imperial gallons and cost savings of EC\$9.1 million.

How many solar panels are there at Vieux Fort?

The plant consists of approximately 14,900 panels,which are distributed across three sites over a total of approximate 15 acres of land. It has a peak power rating (on the dc side) of 4 MW and is interconnected to the LUCELEC grid via two feeders emanating from the Vieux Fort substation at 11,000 volts.

Will LUCELEC install a battery storage system in Vieux Fort?

Looking ahead, LUCELEC is working on plans to install a 7.5 MW/3 MWh utility-scale battery storage system in Vieux Fort to support the existing PV plant as well as to install another 10 MW solar PV plant with battery storage on the east coast of the island. Loading... Power Systems & Renewable Expert, Founder of XenogyRE.

June 20, 2017: Castries, Saint Lucia: Today representatives from St. Lucia Electricity Services Limited (LUCELEC) and solar energy firm GRUPOTEC signed a contract to begin the engineering, procurement, and construction for ...

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Castries, Saint Lucia, September 29 2017; Today representatives from St. Lucia Electricity Services Limited (LUCELEC) and solar energy firm GRUPOTEC broke ground on a 3 megawatt (MW) solar farm in ...

The \$20M project, located north of the Hewanorra International Airport is historic for Saint Lucia. It is the first utility-scale renewable energy project on the island and is funded, owned and operated by LUCELEC. Its ...

With 15,000 panels, the solar farm will generate about 7 million kWhs per year, which meets about 5 percent of St. Lucia's peak electricity demand. The 3.95 mW of installed power will reduce the volume of fuel ...

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