



# Green power port mourant

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GREEN Power Solutions Inc. has today announced a new partnership with SunPower™, a leading manufacturer of high efficiency solar panels, to distribute SunPower™ solar technology in Guyana.

Green Power Solutions Inc. is a subsidiary of the Nand Persaud Group. According to the company, the SunPower panels are rated highly in the global market by consumers and have received many international awards.

"We are so happy to be on board with SunPower™... they are global leaders in solar panel innovation and technology. This is definitely a win for renewable energy in Guyana and we cannot wait to do more," said Green Power Solutions Inc.'s CEO, Darren Ramdial.

According to Nand Persaud Group Marketing Executive, Cynthia Jagnandan, innovation is central to SunPower's core, with solar technology developed and tested in Silicon Valley. She explained that SunPower's Maxeon™ solar panels offer higher efficiency and durability than conventional solar panels currently available on the market, providing homeowners more electricity over time.

The Marketing Exec said SunPower's innovative Maxeon™ solar cells generate more energy than conventional solar cells, and are durable, even in extreme weather conditions. Meanwhile, Jim Dawe, who is the VP of Global Sales, noted that "SunPower is proud to partner with Green Power Solutions Inc. in Guyana due to their experience with solar in the market and focus on high quality solutions."

It was explained that SunPower customers can expect to receive up to 55 -60 per cent more energy in the same space compared to conventional solar panels, a savings potential that is already being taken advantage of in more than 500,000 homes worldwide. nPower panels are available for sale at Green Power Solution's head office at Lot 1 Tain, Port Mourant, Corentyne, Berbice.

IN an effort to reduce its carbon footprint and high electricity costs, the Guyana Water Incorporated (GWI) is planning to construct a solar farm at its Port Mourant Water Treatment Plant.

In a detailed application to the Environmental Protection Agency (EPA), GWI laid out its case for improving the carbon footprint of water supply through the use of the sun as a renewable energy source.

According to GWI, the Port Mourant Water Treatment Plant which was established in 2000, has an estimated annual energy output from a 400kWp solar PV system of 590MWh. This is equivalent to approximately 1,490 PV panels requiring approximately 9,200m<sup>2</sup> of space.

The company explained that given the required landmass, no feasible and reasonable alternative is currently



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available to GWI and in the event that the proposed location cannot be used, approval will have to be sought from the Government of Guyana for land.

It added that no pollutants will be generated from the solar farm during its construction and design life. At the end of the design life of the panels, GWI said it will prioritise the recycling and reclamation of any recyclable components, after which, it will dispose of the remaining components in accordance with the EPA guidelines.

Approximately 17 per cent of a panel by weight can be recycled. This comprises the aluminum frame of the solar panel and junction box that will be sold to licensed scrap-metal dealers in Guyana. The remaining 83 per cent of materials of a solar panel (including glass, silicon and polymer back sheeting) will be disposed of, GWI said, adding, that this portion also includes hazardous materials which will be disposed of in accordance with the Hazardous Waste Management Regulations of the EPA.

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