

Beat: Travel

The World's First Metro to Run on Solar Energy Powered by Total and SunPower

Agreement will supply Metro of Santiago

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USPA NEWS - Total and SunPower Corp. announced on May 23, that SunPower has signed a power purchase agreement for the supply of 300 gigawatt hours per year of clean solar energy to Metro of Santiago. With this agreement, Metro of Santiago will become the first public transportation system in the world to run..

Total and SunPower Corp. announced on May 23, that SunPower has signed a power purchase agreement for the supply of 300 gigawatt hours per year of clean solar energy to Metro of Santiago. With this agreement, Metro of Santiago will become the first public transportation system in the world to run mostly on solar energy. Metro of Santiago currently serves 2.2 million passengers per day.

The power will be generated from the El Pelicano Solar Project, a 100-megawatt (AC) project near the municipalities of La Higuera (Coquimbo Region) and Vallenar (Atacama Region). Construction of the solar power plant will begin this year, with expected operation by the end of 2017.

SunPower, a leading global solar technology company and an affiliate of Total, will design and build the project and provide operations and maintenance once it is operational. The company will construct a SunPower Oasis power plant system at the site. The Oasis system is a fully-integrated, modular solar power block that is engineered for rapid and cost-effective deployment of utility-scale solar projects while optimizing land use.

The technology includes robotic solar panel cleaning capability that uses 75 % less water than traditional cleaning methods and can help improve system performance by up to 15 %.

Source : SunPower Corp.

Agreement will supply Metro of Santiago (Chile) with electricity from a 100-megawatt solar power plant, covering up to 60% of its energy demand

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