



# SJI Green Hydrogen Journey: Solar Power

**Solar power is a critical component for creating carbon net-zero hydrogen.**

Located in South Harrison Township, the South Jersey Gas (SJG) New Sentury Pump Station facility will house SJI's first green hydrogen project. The facility opened in 2021 as a key piece of resiliency infrastructure to regulate pressure throughout the southwestern region of SJG's service territory.

In 2022, SJI's Marina Energy subsidiary began installing a 1.5 megawatt solar array on the pump station grounds in anticipation of the green hydrogen project.

To make hydrogen "green" it must be produced using wind or solar as an energy source. The solar array in South Harrison will generate 100% of the electricity needed to run the 1-megawatt equivalent electrolyzer SJI plans to install at the facility.

The SJI Green Hydrogen Journey is a multi-part series highlighting SJI's first green hydrogen development project, scheduled to begin operation in 2023. Green hydrogen is a carbon net-zero fuel that can be blended with natural gas to lower the gas supply's overall carbon intensity. This project among others, is one of the ways SJI plans to reach carbon neutral operations by 2040.



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