

Providence-Worcester Railroad

SUBTITLE.



Fast Facts:

Location: Worcester, MA

Owner: The Providence & Worcester Railroad Co.

System Size: 0.5 kW per Station

Number of Panels:

Technical Details: Kit solution with two Schott Solar panels, mounting hardware from S-5, and an Enphase inverter.



Client Overview

The Providence and Worcester Railroad is a short-line freight railroad operating in Massachusetts, Rhode Island, Connecticut and New York, with hundreds of crossing signals throughout New England.

Challenge

As the signaling boxes at railroad crossings age and are rehabilitated, the railroad wanted to use a solar energy solution to reduce the cost of running the station and to increase its green factor.

Solution

The railroad worked with Solect Energy Development to add a solar solution to the pitched roof of each rehabilitated signaling box through a specialized kit developed by Solect for this application.

Results

The 0.5 kW systems installed at each crossing station supplement the electric power already at the stations. Solar energy is reducing the cost of providing electricity to each signaling station by up to 50 percent. The solar project was funded in part by state and federal safety and transportation grants.