

Insurance Institute for Highway Safety

258 kW (2017)

In January 2017, IIHS began receiving electricity from a **258 kW** ground mounted solar array at its Vehicle Research Center in Ruckersville, VA. As **Secure Solar Futures' first ground mounted solar project**, the south facing array at IIHS allows the nonprofit to optimize the solar radiation received by the facility.

IIHS is expected to **save roughly \$506,625 over the array's lifetime**. The array provides power to the facility which conducts crash tests and other evaluations that encourage auto manufactures to reduce the losses – deaths, injuries and property damage – from motor vehicle crashes. Projected to **offset 34% of the facility's electricity usage**, the array saves IIHS money on its energy bill, by supplying energy the same or less than the nonprofit currently pays to the incumbent electric utility.

The service life of the solar models is expected to be 35-40 years, with a 25-year warranty. Its estimated **annual electricity production is 335 MWh**.

