

VOLKSWAGEN CHATTANOOGA SOLAR PARK Chattanooga, Tennessee, USA



Project data

System name:	Volkswagen Chattanooga Solar Park
Owner and operator:	Silicon Ranch Corp.
Solar electricity consumer:	Volkswagen
Location:	Chattanooga, Tennessee, USA
Completion:	December 2012
Completion time:	6 months

Technical data

Rated system power	9.5 MWp	Inverter	SMA
Annual energy yield	13.1 GWh	Construction type	Ground-mounted system
Equivalent to the power consumption of how many families	~ 1,200 families *	Tilt angle	25°
CO ₂ -savings p.a.	~ 9,243 t **	Frame technology	Unirac
No./type of modules	33,600 JA Solar, JAP6-72-285	Orientation	South

* Source: "In 2010, the average annual electricity consumption for a U.S. residential utility customer was 11,496 kWh, an average of 958 kilowatthours (kWh) per month." (U.S. Energy Information Administration (EIA): <http://www.eia.gov/tools/faqs/faq.cfm?id=97&t=3>), as of January 2013

** Source: 7.0555×10^{-4} metric tons CO₂ / kWh (US Environmental Protection Agency (EPA), eGRID2012 Version 1.0, U.S. annual non-baseload CO₂ output emission rate, year 2009 data: <http://www.epa.gov/cleanenergy/energy-resources/refs.html>), as of January 2013