

## Southeast Regional EV Readiness Workbook

### Section III

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#### Section 3.3.7 – Case Study – Atlanta (Residential)

*Stephen Taylor installed EVSE in his home in Atlanta, Georgia, as well as solar panels to offset electricity demand.*

##### **EVSE Installation Process:**

- Step 1: Buy a unit from Clipper Creek
- Step 2: Buy a range cord from Lowes and wire it into the Clipper Creek EVSE.
- Step 3: Plug it into one of the 2 NEMA 14-50 outlets I already have in my garage.

Stephen uses the Tesla EVSE that came with his PEV and is capable of pulling 70 amps at 240 volts or almost 17 kW. A private electrician installed a 100-amp breaker in his panel, ran the line into the garage and mounted the EVSE.

##### **Offsetting electricity demand with solar panels:**

A company that is no longer in the business installed the old solar panels, and the newer solar panels were installed by Solar Energy USA (based in Alpharetta, GA). The old panels consist of 80 75-watt (6000 watts) panels feeding 2 inverters. The newest fixed array consists of 28 240-watt panels (6720 watts), and the tracking system consists of 12 230-watt panels (2760 watts).