

CASE STUDY:

KIPP CHARTER SCHOOLS (WASHINGTON, DC)



KIPP:

THE CHALLENGE: As budgets tighten, school administrators are looking for ways to cut unnecessary costs while maintaining spending on core resources. Energy costs comprise a significant portion of any school's budget and historically have been very difficult to reduce.

THE SOLUTION: In 2013, Sol Systems executed a Power Purchase Agreement (PPA) with KIPP in Washington, DC. A PPA enables KIPP to buy electricity at a lower rate from Sol Systems rather than paying its electric utility. To provide electricity to the school, Sol Systems constructed a 225 kW solar array on the school's rooftop and over a portion of its parking lot at no cost to the school. Estimates indicate that the school saved over \$6,000 in the system's first year of operation.

Sol Systems executed a follow-on PPA with KIPP DC for a separate campus in 2015 and constructed a 280 kW solar photovoltaic system on the school's rooftop. The second campus is estimated to save approximately \$23,000 in the system's first year of operation.

In addition to providing energy savings to the schools, both sites will serve an educational purpose as well. Students are exposed to the system through science-based lesson plans and will have the ability to monitor system performance in real time.



KIPP DC DISCOVER ACADEMY

Completed Fall 2013

PROJECT PROFILE

System Size: 225 kW combined rooftop and carport

Production: 282,413 kWh in Year 1

Terms: 20-year PPA starting at \$0.094/kWh and increasing annually at 2.5%

Estimated Year 1 savings: \$6,000



KIPP DC CONNECT ACADEMY

Expected Completion Summer 2016

PROJECT PROFILE

System Size: 280 kW rooftop

Production: 457,500 kWh in Year 1

Terms: 20-year fixed-price PPA at \$0.048/kWh

Estimated Year 1 savings: \$23,000