



CASE STUDY  
**WINDRUSH SCHOOL**  
 PRIVATE SCHOOL



**Windrush School is the first LEED Platinum school building in California.** The roof of the Library/Middle School Building features both a solar array and a living roof which provides for increased insulation, decreased energy demands for cooling and heating and support for bird and insect life.

**The Project Story – Energizing the Way to the Future**

Windrush School has a clear dedication to the environment and wanted to install a photovoltaic system in order to reduce their carbon footprint. Windrush also wanted to earn LEED Platinum status on its new building. An added benefit came from incorporating daily data monitoring of solar generation into their student curriculum. The project had to conform to specific budget criteria and the installation had to be tightly coordinated with their school calendar.

**The Sun Light & Power Solution**

Sun Light & Power is equally dedicated to the environment and to providing customized renewable energy systems for our clients. Working closely with school officials, Ratcliff Architects and West Coast Contractors, Sun Light & Power was able to install a solar array using high efficiency SunPower 230 modules at the best possible price and within the time line requested. Sun Light & Power applauds Windrush School for taking an active role in teaching the next generation about the real benefits of renewable energy.



System Size	<b>24.8 kW DC</b>
Solar Equipment	<b>108 SunPower 230</b>
Est. Production	<b>35,220 kWh/year</b>
Est. CO <sup>2</sup> Avoided	<b>42,264 lbs/year</b>
Est. Load Covered	<b>30%</b>

➤ **Environmental Benefits**

Every year this system removes the equivalent of 5 cars from the road, or prevents 59 barrels of oil from being drilled, transported and burned. It would take 5.4 acres of trees to sequester this much CO<sup>2</sup> every year.

➤ **Financial Savings**

Although the design of this system covers only 20% of the load, it reduces Windrush’s electricity bill by about 30% allowing the school to save money upfront, on every electricity bill and for decades to come.

➤ **Customer Profile**

Windrush School serves a rich diversity of students and provides an excellent education that enables K-8 students to meet the future with confidence, competence, resilience and grace. The Windrush community is very proud of its new Library-Middle School building as it strongly reflects the school’s core values of sustainability, excellence, authenticity, inspiration and community engagement. Learn more about Windrush School at [www.windrush.org](http://www.windrush.org)

➤ **Sun Light & Power Profile**

Passionate people tend to get very good at what they do. With 36 years of experience as a leader and pioneer in the solar industry, Sun Light & Power is dedicated to providing the highest possible design, engineering and installation expertise for solar electric and thermal energy needs and places high value on lasting customer relationships.

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