



**CASE STUDY**  
**LOCAL 123**  
 2049 SAN PABLO AVENUE, BERKELEY  
 COMMERCIAL RESTAURANT

|                              |                             |
|------------------------------|-----------------------------|
| PV System Size               | <b>13.8 kW DC</b>           |
| PV Equipment                 | <b>60 SunPower 230</b>      |
| SWH Equipment                | <b>2 Heliodyne Gobi 410</b> |
| Est. Production              | <b>23,531 kWh/year</b>      |
| Est. CO <sup>2</sup> Avoided | <b>28,237 lbs/year</b>      |
| Est. Combined Load Covered   | <b>90%</b>                  |



**"From knowing where and how the coffee cherries were harvested and small-batch roasted to using biodegradable cleaning products and going solar, we're proud to be part of the growing movement toward transparency, sustainability and responsibility."** Frieda Hoffman & Katy Wafle, owners.

**The Project Story – A Green Cafe**

**Looking for great coffee powered by the sun? You've found it.** Restaurants have consistently high energy requirements for lighting, ambient temperature control and general use, as well as for cleaning, dishwashing and refrigeration. In planning for their cafe, owners and first-time business women Frieda Hoffman and Katy Wafle wanted to offset at least 90% of their energy needs sustainably.

**The Sun Light & Power Solution**

After talking with Design Consultants at Sun Light & Power, Frieda and Katy learned that installing both photovoltaic solar for electricity and solar thermal for water heating could not only meet their needs, it also made good economic sense. Sun Light & Power congratulates Local 123 for combining their dedication to supporting local business and green practices into one smart business decision.

**"The people at Sun Light & Power were highly knowledgeable, down-to-earth and sensitive to the needs of small business owners. They made what at first seemed a daunting process into a smooth, understandable and even enjoyable one. Thank you!"** F.H.



➤ **Environmental Benefits**

Every year this system removes the equivalent of 3 cars from the road or 1,901 gallons of gasoline consumed.

➤ **Financial Benefits**

**"Our system wasn't up until mid-October, but even with the shorter and overcast days, our PG&E bill was a quarter of what it was before going solar."** F.H. Local 123's solar systems provide clean energy and operating cost reduction and generate thousands of dollars in annual savings.

➤ **Customer Profile**

Local 123 opened for business in June, 2009. The name reflects the building's history as the painters' local union hall from 1943-1971. The owners are committed to sourcing goods locally, supporting green businesses, and fostering appreciation for specialty coffees and foods including direct trade, organic and locally made or harvested food items. The coffee bar also features locally brewed draft beers, comfortable indoor and outdoor seating and commanding art. Stop by 2049 San Pablo Ave., Berkeley or follow them online on Twitter or Facebook.

➤ **Sun Light & Power Profile**

Passionate people tend to get very good at what they do. With 34 years of experience as a leader and pioneer in the solar industry, Sun Light & Power, provides 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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