

## KGO AM 810 Radio Transmitter Site

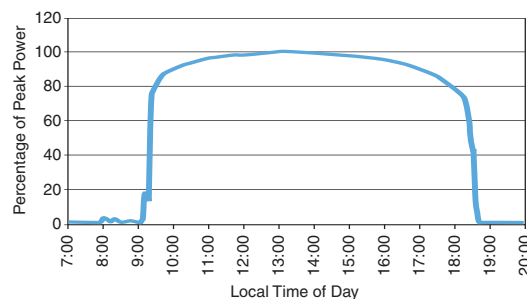
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| Customer:          | KGO AM 810 Radio Transmitter Site                        |
| Location:          | Fremont, California, USA                                 |
| Size:              | 7.2 kW   |
| Technology:        | SolFocus SF-1000 Concentrator Photovoltaic (CPV) Systems |
| Installation Date: | June 2008  |

This commercial site was a collaborative effort between Pacific Gas and Electric (PG&E), KGO AM 810 Radio, and SolFocus. With a desire to practice what it was preaching, management at KGO began working with PG&E to determine the best approach for utilizing solar power at its high-powered transmitter site on Highway 84, the Dumbarton Bridge in Fremont. It was decided to make this a dual-technology site which includes both traditional flat plate PV and the newest solar technology – concentrator photovoltaics (CPV) from SolFocus. There are three 2.4 kW arrays at the site, with room for additional expansion in the future.

Being located directly beside a major thoroughfare, the permitting process included a requirement for reflectivity studies and analysis. The land itself offered an installation challenge as it is composed of very soft, damp soil on the edge of the San Francisco Bay. However, in October 2008, the honorable Nancy Pelosi, Speaker of the House, flipped the switch on the arrays, making KGO AM 810 the first “solar powered” radio station in the United States.

With over 150,000 cars and trucks passing by the site each day, the site requires cleaning more frequently than at other sites. SolFocus has taken advantage of this fact and conducted soiling tests to determine optimum stow modes and cleaning schedules for similar sites.

Since the SF-1000 panels are listed on the California Energy Commissions approved equipment listing, KGO as the plant owner is able to take advantage of California Solar Initiative (CSI) rebates.



### Single System Power Production at KGO Customer Site

This diagram is the measured energy output during the course of a single day at the KGO AM 810 Radio Transmitter Site. CPV technology generates the maximum energy output over the broadest part of the day as opposed to alternative solar technologies.

