



Case Study

Solar Re-Installation

Pizzo Residence – Sebastopol

Issue: The Pizzo's had a solar system installed 5 years ago on a Spanish tile roof. The solar installers did a poor job of mounting and sealing the racking components, and the leak began to leak. The Pizzo's hired a roofer to replace the roof and had them remove the solar system. After talking to one of our clients, the Pizzo's contacted Synergy to reinstall their system. The existing system included an SMA SB4000US inverter, 26 Sharp 167 watt panels and the UniRac mounting system.



The Solution: We discussed the options with the Pizzo's. The roof was already on, and we had a limited space to install. The goal was to produce maximum performance for the system since it was not in a visible site. Synergy designed the system, minimizing shading issues from a solar tube and gas vent. In addition the system had not been sized correctly to maximize performance. Since Sharp 167 watt panels were no longer available, Synergy found and added two compatible Sharp 180 watt panels. The original installation had exterior conduit running outside of the home. It looked poor and

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attaching the conduit had also lead to some of the leakage issues. Synergy penetrated the roof with a flashed junction box (under the solar panels), running conduit through the attic to the meter-main location to eliminate leaks and improve the visual aesthetics. Additionally the Pizzo's had an old unsafe Zinsco meter-main. As part of this project Synergy consulting with the client to replace this meter-main with a new meter-main giving the peace of mind and the ability to expand their electrical loads in the future.

At Synergy, our goal is not just in the quality and performance of our systems, but also in how we meet the needs of our clients.

"...I almost never recommend a contractor. But this one deserves a thumbs up. Synergy Solar and Electrical Systems of Sebastopol. These folks recently replaced my main electrical panel and reinstalled my solar array after an experience with a very bad roofing "contractor." Our experience with Synergy was just the opposite. The estimating process was thorough. The bid was fair. And the reinstallation was done professionally, and fast. The crew arrived when promised. They were highly skilled and professional in every respect. When done they left the workspace and our property spotlessly clean. It's so rare these days to find contractors (licensed and otherwise) whose prices are fair and who do what they say, when they say it will be done and, when finished the results are above expectation. We recommend them without reservation **Synergy Solar and Electrical - 707- 823-8003**, Ask for Jeff or Michael. Great guys."

Stephen Pizzo
Sebastopol