

## **Promise Energy Delivers First Zero Net Energy Multifamily Affordable Housing Development in Los Angeles**

*Promise Energy designs and installs solar systems for Silver Star Apartments, the first fully solar powered multifamily affordable housing in Los Angeles, winner of 2017 Sustainable Innovations Award Project of the Year.*

LOS ANGELES ([PRWEB](#)) November 28, 2017 -- Silver Star Apartments is the first [Zero Net Energy](#) multifamily affordable housing development in Los Angeles. Promise Energy designed and installed a Solar Photovoltaic system that covers both roofs on the project, and even incorporates vertical solar facades as a unique design element, visible from the project's courtyard. The 49-unit building in south Los Angeles, developed by local nonprofit A Community of Friends (ACOF), will provide homes and supportive services for formerly homeless veterans. Silver Star is LEED Platinum and Energy Star Homes certified, and aims to meet the "[Living Building Challenge](#)" Energy Petal Certification as well.

Silver Star recently won the Sustainable Innovation Awards [Project of the Year](#) for 2017 from the Los Angeles chapter of the US Green Building Council. Dominique Hargreaves, Executive Director of the US Green Building Council – Los Angeles said, "We appreciate the time and energy it takes to deliver these types of high-performing projects. The jurors of the Sustainable Innovations Awards appreciated the innovations that you documented and agreed that your project was way beyond rating system requirements or code and really demonstrated excellence in design and construction as well as providing much needed supportive housing."

ACOF engaged [Promise Energy](#) at the very beginning of the design process to collaborate with FSJ Architects, and energy consultant Green Dinosaur to make the building as efficient as possible, and then fit enough solar PV to offset 105% of all site energy use, to make the building net positive. Special attention was paid to the solar orientation of each façade, and during the design process, the roof was expanded, and finally solar panels were placed vertically on the building to enhance production in order to meet the project's aggressive sustainability goals.

"Thanks to Green Dinosaur and Promise Energy, this building is completely [solar powered](#)," says Dora Gallo, Chief Executive Officer at A Community of Friends. "This project demonstrates how affordability and environmental sustainability can be achieved with effective coordination and a great team. Despite our incredibly aggressive goals, we were able to get the project completed on time and on budget by working together. Promise Energy was an integral part of the team from the very beginning, and their enthusiasm and dedication throughout the process was critical to making Silver Star not just an incredibly energy efficient building that produces all its own power, but a safe, comfortable community for our tenants to call home."

The project is all electric, with no fossil fuel combustion on-site, and the addition of [Battery Storage system](#) and advanced Energy Monitoring system by Promise Energy will enhance resilience by providing backup power to the community room. In addition, Promise Energy designed and installed a solar water heating system to offset 70% of the energy needed for water heating.

Silver Star includes a number of sustainability features in addition to delivering zero net energy, such as quality air sealing and insulation installation implemented to greatly reduce envelope leakage and HVAC loads, as well as phase-change material in the walls to reduce heat gain. 100% of the units are ADA compliant, using universal design features that will assist residents as they get older onsite. Silver Star's proposed greywater

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**Online Web 2.0 Version**

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