



## Oasis Village Solar Project

### Request for Proposals

1805 E Highway 126, Redmond OR 97756

Oasis Village is a nonprofit providing transitional housing and other services. It opened its doors in January 2024, and has 20 “tiny home” cabins, with 5 more planned to be built by the end of the year. It also has a triple-wide modular 2,720 sq. ft. community building with showers and cooking and dining facilities. The community building has a metal roof, which faces east-west, and was built to support solar panels.

Oasis Village is located on two-and-a-half acres of county property in east Redmond. The site is part of twelve acres the City of Redmond is leasing from the county with long-range plans to develop a homeless services campus. Oasis Village is the first occupant of the campus.

Electrical service 120/240 single phase, with two panels and meters, one for the community building and one for the cabins. They are located outside on the north side of the community building. An additional panel is planned for installation in Spring 2025, in the area of Cabins 20 / 25 (north of the community building), to serve the last five cabins. There is a 75 kVA transformer.



Based on 12 months of bills, we estimate electrical usage for the community building to be about 34,000 kWh, and for 25 cabins to be about 52,000 kWh.



We are looking for proposals for solar arrays to meet approximately 90% - 95% of that load. We estimate the community building roof can hold about 30 kW, which should meet that building’s load. The remaining modules could go on the ground, on an elevated carport-type structure over the dog run (crosshatched area) or over parking, or distributed on a number of roofs of cabins.

There is little to no soil on the site, basalt rock is typically found 6 inches to 2 feet down.







