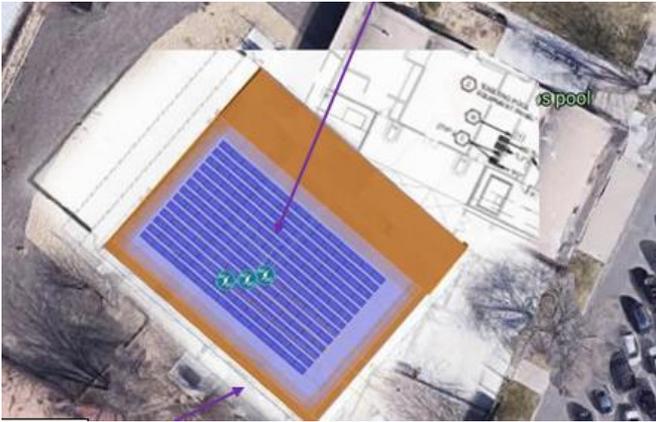


PROJECT NARRATIVE – LOS ALTOS SWIMMING POOL



System Type:	Roof Mount
PV Array Size:	72.15 KW/DC
Annual Production AC	125.0 MWh
Projected Percentage of Energy Usage Offset with PV:	48.70%
ESS Size	N/A

Osceola Energy’s pricing is for a turn-key system, including the design and engineering required to meet AHJ building/electrical codes. Permitting, materials, labor, testing, site prep, clean up, and all other items required to install the system are included in the cost.

Discussion of System Structure:

Osceola proposes to install a roof mount array for Los Altos Swimming Pool. The array will include 195 Canadian Solar CS3U-370MS modules (72.15kW STC), at a 220 azimuth. We will use Sollega FR510 ballasted racking at a 10° angle facing southwest. Sollega has no penetrations and we will install slipsheets to match the roof membrane for added protection to cover warranties. This racking offers cleaner lines and helps to keep down labor costs due to the ease of installation. We chose to only install a roof mount system so that savings can be realized year one.

Discussion of System Size:

The system will total 72.15kW/DC with an offset of 48.70% connected to 3 Solectria PVI 23TL (480V) inverters. We chose Solectria inverters for their reliability, efficiency and cost effectiveness.

Discussion of Location:

This roof has a large open area for a Ballast Mount PV System with no obstructions. The location we chose has the best solar resource as it faces southwest away from any obstructions and allows for clearance of the slope. Hence, there will be a large enough boarder from the northeast wall to alleviate any shading concerns. The modules will have a minimum distance of four feet from all parapets. The conduit will run along the southwest side of the roof from the system to the electrical room for the intertie. We will work with the onsite contact to ensure there is minimal disruption during construction.