



# Lighting Retrofit & Advanced Controls To Save Sports Parks Nearly \$600k Annually

## PROJECT OVERVIEW

Have you ever dreamt of playing under the lights at Fenway, Yankee’s Stadium, or Wrigley Field? A Chino Hills, California-based sports park with 11 facilities in California, Arizona, Texas, and Nevada allows baseball, softball and soccer leagues the opportunity to do so. However, those field lights cost the company an excessive amount of money to maintain, repair, and simply turn on.

Big League Dreams Sports Parks houses baseball fields that are built as scaled-down replicas of famous ballparks. All are designed to accommodate youth baseball, youth fast-pitch softball, and adult slow-pitch softball in addition to soccer leagues at its 20,000-square-foot indoor pavilions.

## ENERGY AUDIT RESULTS

Full energy audits at five of its California locations revealed some significant issues. The antiquated lighting technology found in its ballpark and indoor facilities were resulting in wasted energy and extremely high utility costs.

The existing lighting system included 1,000 - to - 1,500-watt metal-halide fixtures throughout the ballparks along with 32-watt fluorescent fixtures throughout the indoor spaces. The existing lighting was high-maintenance and required frequent lamp replacement and an expensive service contract from a third-party company.

Additionally, the existing fixtures were controlled by a time clock, resulting in wasted energy when the fields were not in use. That was due to the metal-halide technology, which requires a “warm-up” time before lights are bright enough to play. When a field is turned on for the night, it stays on whether or not it’s in use. With lights burning all night long, a significant amount of energy and money is wasted.

## THE SOLUTION

That’s where SBT Alliance stepped in. After studying the audits’ findings, SBT’s advanced lighting system experts created a custom project scope for each of the five parks. This custom scope included interior office fixture retrofits, building exterior fixture replacements, sport light fixture replacements within the fields, and the relamping of fixtures where applicable. The addition of occupancy sensors, parking lot fixture replacements, and, most importantly, system connectivity through a networked controls solution rounded out the project scope.



*By replacing antiquated lighting technology, SBT Alliance is positioning Big League Dreams Sports Parks for a future of fewer repairs, less wasted energy and enormous cost savings across five facilities.*

## THE RESULTS

Thanks to the advanced networked controls solution, Big League Dreams also will benefit from custom sports field analytics, reporting, and technical support. This Smart Space as a Service (SSaaS) offering from SBT Alliance assures the park management that not only will their system remain optimized and running at peak performance, but they will receive the technical support they require to drive further return on their investment from their new IoT-enabled lighting system.

The multi-site project is expected to yield a savings of \$594,708 per year, with a quick project payback of 3.25 years. In addition, SBT Alliance developed a creative funding solution to make this project a reality.

“This project is a home run for both Big League Dreams and its customers,” says Clinton Barnes, SBT Alliance Account Representative. “Players get to enjoy cutting-edge Sport Light LED technology like the professionals, and Big League Dreams gets to upgrade its facilities, save a significant amount of energy and maintenance costs and make data-driven decisions by using our Smart Space as a Service offering of custom field analytics.”



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