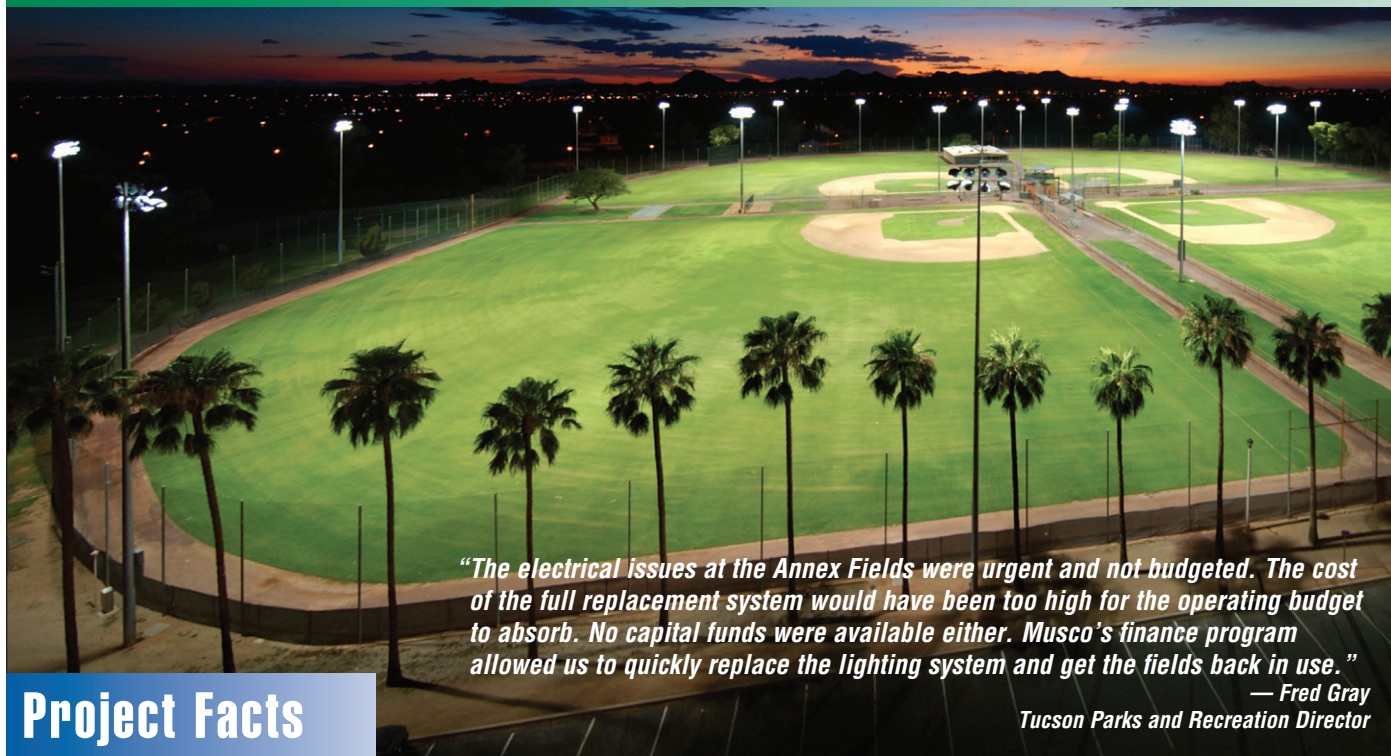


Reid Park Annex Fields

Tucson, Arizona

Light-Structure
GREEN™

Light-Structure Green™ Saves \$670,000



"The electrical issues at the Annex Fields were urgent and not budgeted. The cost of the full replacement system would have been too high for the operating budget to absorb. No capital funds were available either. Musco's finance program allowed us to quickly replace the lighting system and get the fields back in use."

— Fred Gray

Tucson Parks and Recreation Director

Project Facts

Baseball Wagonwheel

Performance

- Reduced energy consumption:
Typical floodlighting 785.7 kW
Light-Structure Green™ 456.7 kW
- Two 350'/370'/350' Baseball Fields – 70 infield / 50 outfield constant horizontal footcandles (753/538 lux), 2:1 infield / 2.5:1 outfield uniformities
- Two 350'/395'/350' Baseball Fields – 70 infield / 50 outfield constant horizontal footcandles (753/538 lux), 2:1 infield / 2.5:1 outfield uniformities

Lighting System

- Light-Structure Green
24 poles · 292 luminaires
- Control-Link® Control and Monitoring System

The Tucson Parks and Recreation Department wrestled with an urgent and unbudgeted capital improvement faced by municipalities nationwide: replace components of an aging lighting system or invest in a full upgrade using green technologies. The cost to update the existing lighting system was two-thirds the cost of a new system — without new fixtures. With less than two months before the Colorado Rockies arrived for spring training at Reid Park Annex Fields, the solution had to address multiple needs and include a fast installation. With looming deadlines, expected budget cuts, and compliance with ordinances and sustainability initiatives, Parks and Recreation Director Fred Gray chose a full-service approach. Gray selected a lease-purchase program through Musco Finance™ to gain the Light-Structure Green™ system, Constant 25™ warranty, and Control-Link® system. According to Gray, "With the energy savings and the 25-year warranty with the Musco system, and being able to finance it with them, as a parks and recreation director it made sense to recommend complete replacement."

Key Issues

Environmental Light Control

- Meets strict guidelines to minimize off-site spill and glare light on adjacent property

Musco Finance

- Allowed new lighting system to be purchased without breaking the operational budget of the Tucson Parks and Recreation Department

Life-Cycle Cost Savings

- 25-year projected life-cycle cost savings is over \$670,000 through reduced energy consumption, group lamp replacements, controls, and maintenance provided by Musco



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