



City of Killeen

Legislation Text

File #: RS-22-052, **Version:** 1

Consider a memorandum/resolution authorizing the purchase of solar LED lighting for the Conder Park Parking Lot and Long Branch Park from JEC Energy Solutions in the amount of \$122,370.19.

DATE: April 19, 2022

TO: Kent Cagle, City Manager

FROM: Joe Brown, Executive Director of Recreation Services

SUBJECT: Solar LED Lighting for Conder Park Parking Lot and Long Branch Park

BACKGROUND AND FINDINGS:

Recreation Services (RS) is seeking to install solar LED lights at the Conder Park Parking Lot and Long Branch Park by the splash pad. There are currently no parking lot lights at Conder Park and no lights at Long Branch Park by the splash pad. With solar LED lighting, the City of Killeen will save on this expense, while eliminating the cost of repairs due to vandalism. This park amenity will address a concern from the community over the years which was included in our recently approved Parks Master Plan, that our parks are dark and feel unsafe once the sun goes down.

Conder Park has limited lighting within the park and no existing parking lot lights. RS is currently working on a project to renovate both parks using ARPA and CDBG funds. RS staff will install eighteen (18) new twenty (20) foot light poles and eighteen (18) sixty-watt AiO Solar LED lights. The purchase will include an anchor base, base cover, light poles and the solar LED light panel. RS staff will install the new light poles on a poured concrete pedestal.

RS is also seeking to add four (4) new light fixtures within Long Branch Park by the splash pad. Long Branch Park has no lighting in that area. The four (4) twenty-four (24 foot) poles include sixteen (16), four (4) per pole, sixty-watt solar LED lights, 12,000 lumens, anchor base, base cover, and the smart solar LED light panel. RS staff will install the new light poles in a ground mount at two (2) feet deep.

At Conder Park and Long Branch Park, the All-in-One Smart Solar LED light panel will include a 5-year warranty. The all-in-one system includes the integrated solar panel, sixty-watt solar LED lights with 12,000 lumens, battery, battery charger, and motion sensor controls. There is no power or wiring required, limiting vandals from stealing or damaging wires. The bright LED light includes motion sensors, with instant on/off capabilities. The lights have a nine (9) hour charge time and operate for three to four days on intelligent mode. There is no flickering or buzzing, and the lights will create a brighter, safer environment for citizens utilizing Conder and Long Branch Parks.

THE ALTERNATIVES CONSIDERED:

Option 1 - Do not approve the purchase of the solar LED lights

Option 2 - Approve the purchase of the solar LED lights

Which alternative is recommended? Why?

Recreation Services staff recommends City Council approve the purchase of the solar LED lights for Conder and Long Branch parks from JEC Energy Solutions through Texas Buyboard contract #628-20. The new light system is energy efficient, vandal resistant, and safer for the citizens who utilize the parks. Funds were approved and are available this fiscal year, from the approved FY22 ARPA funds. From the date of ordering the lights, the process of having these new lights installed is approximately eight-ten (8-10) weeks (4-6 weeks for delivery, and 2-4 weeks for installation). The purchase will include the cost of the solar LED light systems, for both parks. The lights will be installed by City staff. This park amenity will address a concern from the community which was included in our recently adopted Parks Master Plan, that our parks are dark and feel unsafe once the sun goes down.

CONFORMITY TO CITY POLICY:

JEC Energy Solutions is a member of the Texas BuyBoard Purchasing Cooperative. Purchases made through a cooperative contract satisfies the state competitive bidding requirements as stated in Texas Local Government Code section 271.102, subchapter F; a local government that purchases goods or services under this subchapter satisfies any state law requiring the local government to seek competitive bids for the purchase of the goods or services.

FINANCIAL IMPACT:

What is the amount of the expenditure in the current fiscal year? For future years?

Expenditure in FY 2022 would be \$122,370.19, which includes the purchase, installation of trail lights and a 5-year warranty. Maintenance of lights will be incorporated into the maintenance budget.

Is this a one-time or recurring expenditure?

One-time expenditure of \$122,370.19. Recurring maintenance expenditures over the life of the lights will be built into the maintenance budget.

Is this expenditure budgeted?

Yes, funds are available in Governmental CIP accounts 349-8930-493.6903. Conder Park is \$73,791.10 and Long Branch Park is \$48,579.09 for a total cost of \$122,370.19.

If not, where will the money come from?

N/A

Is there a sufficient amount in the budgeted line-item for this expenditure?

Yes

RECOMMENDATION:

Recreation Services staff recommends City Council approve the purchase of the solar LED lights for both parks from JEC Energy Solutions in the amount of \$122,370.19 in FY22 and that the City Manager or designee be authorized to execute any change orders as permitted by state and local law.

DEPARTMENTAL CLEARANCES:

Legal
Purchasing
Finance

ATTACHED SUPPORTING DOCUMENTS:

Quotes
ARPA Appendix A
Certificate of Interested Parties