

OFFICE OF THE CITY ATTORNEY
CHARLES PARKIN, City Attorney
333 West Ocean Boulevard, 11th Floor
Long Beach, CA 90802-4664

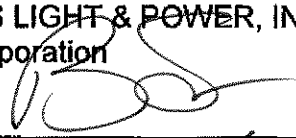
1 relating to the Street Lighting System in Lighting Contract No. 24289, including all exhibits,
2 shall apply to the installation of the LED fixtures for the remainder of the City's parks."

3 2. Except as expressly amended herein, all of the terms and conditions
4 contained in Lighting Contract No. 24289, as previously amended, are ratified and
5 confirmed and shall remain in full force and effect.

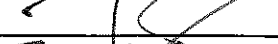
6 IN WITNESS WHEREOF, the parties have caused this document to be duly
7 executed with all formalities required by law as of the date first stated above.

8 WS LIGHT & POWER, INC., a California
9 corporation

10 11/10, 2017

By 
Name William J. Simmons
Title President

11
12 11/10, 2017

By 
Name Tom Simmons
Title President

13 "WS"

14 CITY OF LONG BEACH, a municipal
15 corporation

16
17 11/16, 2017

By 
City Manager
"City" Tom Modica
Assistant City Manager
EXECUTED PURSUANT TO SECTION 301 OF THE CITY CHARTER.

18 This Forty-Fifth Amendment to Lighting Contract No. 24289 is approved as
19 to form on 11/13, 2017.

20 CHARLES PARKIN, City Attorney

21 By 
22 Deputy

Attachment "W W"



City Light & Power, Inc.
6312 S. Fiddlers Green Cir.
Suite 2006
Greenwood Village, CO 80111
Tel 720 305 0400

August 3, 2017

Mark Whitaker
Capital Projects Coordinator
City of Long Beach Public Works Department
333 W. Ocean Blvd.
Long Beach, CA 90802

RE: LED Conversion Phase 4B -- Remaining Parks

Mr. Whitaker,

City Light & Power, Inc. (CLP) is pleased to submit a proposal to install LED fixtures in the remainder of the City of Long Beach's parks. A detailed description is listed below.

CLP will remove the existing high pressure sodium (HPS) cobra-head fixtures and post top kits and replace them with light emitting diode (LED) cobra-head fixtures and post top kits. Cobra head fixtures that are in parking lots will include occupancy motion sensors to qualify for SCE's rebates and On-Bill Financing (OBF). Once the lights are converted, CLP will energize the circuits to ensure the lights are working properly. All lights will have a CCT/Kelvin rating of 4000K as directed by the City of Long Beach.

Below is a breakdown of the types of lights and quantities associated with each (quantities and wattages may vary due to previous and/or unknown park projects completed by the City). The model numbers for the cobra head fixtures and post top conversion kits are DLC (DesignLights Consortium) approved at the time of this proposal and were selected by the City and TRC Solutions. Please note that some of the cobra heads and post tops may be on 480v circuits and have an adder associated with them. There are two additional line items with a quantity of one (1) with pricing per each for 480v fixtures and are not included in the overall total. Approximately forty-eight (48) fixtures are excluded from this proposal because they are classified as specialty fixtures and do not currently have an approved solution for converting them to LED.

The following is a list of the parks included in this proposal: Coolidge, Ramona, Deforest, Tanaka, Los Cerritos, Bixby Knolls, Scherer, Rancho Los Cerritos*, Cherry, Somerset, Wardlow, Pan American, Rosette-Riveter*, Heartwell, Birdcage, Hudson, Martin Luther King, Veterans, Municipal Cemetery, Orizaba, MacArthur, Los Altos Plaza, Stearns Champions, Whaley, Jack Nichol*, Channel View, Cesar Chavez, Lincoln, Bixby, Recreation, Marina Vista, Recreation Golf Course, Los Altos, Bouton Creek, College Estates & Drake.

Parks listed with an asterisk (*) contain some specialty fixtures that will not be converted under this proposal.

Proposed Fixture	Replacng	Total Price per Unit	Qty	Extension
GCI1-20G-MV-NW-3-GY-350-PCR7-WL	70w HPS	\$300.63	4	\$ 1,202.52
Leotek EC1-4M2-MV-WW-5-GY-1A-PCR7-SC-WL-MSL7	70w HPS	\$585.08	1	\$ 585.08
GCI1-20G-MV-NW-3-GY-700-PCR7-WL	100w HPS	\$300.63	433	\$130,172.92
Leotek EC1-4M2-MV-WW-5-GY-1A-PCR7-SC-WL-MSL7	100w HPS	\$474.83	18	\$ 8,546.86
GCI2-20G-MV-NW-3-GY-1000-PCR7-CR-WL	150w HPS	\$319.37	91	\$ 29,062.93
Leotek EC1-6M2-MV-WW-5-GY-700-PCR7-SC-WL-MSL7	150w HPS	\$492.47	54	\$ 26,593.13
Leotek EC1-6M2-MV-WW-5-GY-700-PCR7-SC-WL-MSL7	150w MH	\$492.47	7	\$ 3,447.26
LES-30-740-HWD-UN39-UNV-3N EYE LEDIOC	70w HPS	\$378.91	1	\$ 378.91
LES-30-740-HWD-UN39-UNV-3N EYE LEDIOC	100w HPS	\$378.91	10	\$ 3,789.08
LES-50-740-HWD-UN39-UNV-3N EYE LEDIOC	150w HPS	\$411.98	286	\$117,827.08
LES-50-740-HWD-UN39-UNV-3N EYE LEDIOC	175w MH	\$411.98	7	\$ 2,883.88
LES-50-740-HWD-UN39-UNV-3N EYE LEDIOC	250w HPS	\$411.98	1	\$ 411.98
Shorting Cap		\$ 3.31	608	\$ 2,010.96
PCR 7 Adder		\$ 11.03	608	\$ 6,703.20
480v Adder for Cobra Head		\$ 82.69	1	\$ 82.69
480v Adder for Post Top		\$ 38.59	1	\$ 38.59
			913	\$333,615.78

Pricing for this project is Three Hundred Thirty-Three Thousand Six Hundred Fifteen Dollars and Seventy-Eight Cents (\$333,615.78)

If you have any questions, please call me at (720) 305-0399.

Sincerely,
CITY LIGHT & POWER, INC.



Brad M. Weber
Chief Estimator

Approval: _____

Date: _____

Purchase Order No: _____