



20285 S. Western Ave., #100
Torrance, CA 90501
(310) 371-7222
sbccog@southbaycities.org
www.southbaycities.org

REVISED 11-13-18 (IN YELLOW HIGHLIGHT)

Bulk Purchase LED Lighting Request For Quote (RFQ)

Issue Date: October 25, 2018

Questions: Submit all questions in writing via email to Erin Cornelius at erin@southbaycities.org, on or before **Monday, November 5, 2018**. Answers will be posted by 4:00 p.m. Tuesday, November 13, 2018 at: www.southbaycities.org.

Quote Due Date: **Tuesday, November 27, 2018, before 4:00 p.m.** Quotes received after this date will be rejected. Requests for extensions of this time and date will not be granted. Quotes or unsolicited amendments to quotes received by the SBCCOG after the acceptance date will not be considered.

Submit Quote by Email to: Erin Cornelius via e-mail at erin@southbaycities.org or in person to: 20285 S. Western Ave., #100; Torrance, CA 90501. E-mailed quotes must be print-ready. No fax or mailed quotes will be accepted. All e-mailed submissions will receive a confirmation e-mail within 1 business day. If you do not receive a confirmation e-mail from your quote submission, please contact Erin Cornelius at 310-371-7222.

Recommendation of Preferred Consultants: **Tuesday, December 4, 2018**

The SBCCOG will not be responsible for any expenses incurred by a firm in preparing and submitting a proposal.

Project Scope: The SBCCOG is a joint powers authority of 16 cities and the South Bay unincorporated areas of Los Angeles County that share the goal of maximizing the quality of life and productivity of our area. Information on the SBCCOG can be found at: www.southbaycities.org (310-371-7222). Our members are Carson, El Segundo, Gardena, Hawthorne, Hermosa Beach, Inglewood, Lawndale, Lomita, Manhattan Beach, Palos Verdes Estates, Rancho Palos Verdes, Redondo Beach, Rolling Hills, Rolling Hills Estates, Torrance, and the Harbor City/San Pedro/Wilmington communities of the City of Los Angeles, along with the unincorporated areas of the County of Los Angeles District 2 and 4.

The intent of this RFQ is to allow the SBCCOG to facilitate the bulk purchase of various exterior LED fixtures on behalf of the following cities: Carson, El Segundo, Gardena, Hawthorne, Inglewood, Manhattan Beach, Redondo Beach, and Torrance. Other South Bay cities may be interested in participating in the bulk purchase; however the need has not yet been identified. Quotes should state how long the pricing is good for. Participating cities will enter into individual agreements with the selected providers. The bulk purchase of LED fixtures should provide SBCCOG member cities with volume pricing discounts. The SBCCOG reserves the right to reject any or all quotes. Cities will negotiate separately in any manner necessary to serve their best interests. The most qualified contractor(s) will be selected and not necessarily the lowest bidder(s).

LOCAL GOVERNMENTS IN ACTION

Carson El Segundo Gardena Hawthorne Hermosa Beach Inglewood Lawndale Lomita
Manhattan Beach Palos Verdes Estates Rancho Palos Verdes Redondo Beach Rolling Hills
Rolling Hills Estates Torrance Los Angeles District #15 Los Angeles County

Multiple winning bidders may be selected. The SBCCOG also retains the right to waive irregularities in the proposal or reject all proposals as do the cities.

Project Specifications:

- New fixtures must be installed by Thursday, February 28, 2019.
- Labor and material warranty to be 10 years minimum.
- Color temperature of fixtures to be 4000 K, except where indicated in the attached Bidding Form. All fixtures to be DesignLights Consortium® (DLC) qualified and on SCE's approved rebate list.
- Provide specification sheet and photos of proposed fixtures.
- Photometric layouts for each site shall be provided by the winning bidders to each agency for approval prior to ordering material. Sites can be found on Attachment A.
- Proposed fixtures must be appropriate for the designated exterior spaces (i.e., tennis court, basketball court, parking lot, general area) at each facility and meet or exceed IES lighting standards.
- Fixture specifications must meet the following performance requirements: THD @ Max Load < 20%, Power Factor > 0.90, Ambient operating temperature of -40°C to +40°C, IESNA LM-79 & LM-80 Testing, UL Listed.
- When applicable fixtures should feature 7-pin receptacles with dimming capability and be Title 24 compliant.
- All new fixture housing must match existing color.
- Contractor to field check all location and confirm mounting hardware.
- Contractor to remove and dispose of existing lighting system per federal, state, and local requirements.
- Contractor to verify Voltage (120, 208, 277, or 480 ac.) prior to installing new LED fixtures. Contractor to provide City with as-built plan of pole location, fixture type, and fixture voltage. (Note: City to provide base map for contractors use.)
- Contractor to test entire lighting system to assure it is working as per manufacturers' requirements.
- Contractor to note that they may have to make reservations at some of the park locations to conduct work (sports fields, tennis courts, aquatic areas, etc.). The work site is to be kept clean at all times. All equipment and/or materials should be kept neat and orderly and will not block a walking route. At the close of each working day, there shall be no debris left at the job site.
- Contractor shall be responsible for restoration of all damaged surfaces due to equipment traffic during the removal and installation of the fixtures and associated work. Contractor shall minimize equipment traffic on the field playing surfaces to the extent possible. Any improvements damaged as a result of the Contractor's operations shall be replaced at Contractor's expense. Replacement of such improvements shall be at least equal to existing improvements.
- Prevailing Wages and Contractor Registration Requirements. Contractor shall comply with the requirements of SB 854.
- Contractor must use heavy duty end caps to cap all unused bullnose openings.
- The successful bidder will be required to furnish a faithful performance bond in the amount of 100 percent of the contract price, and a payment bond in the amount of 100 percent of the contract price, both in a form satisfactory to the Owner's Attorney.
- The contractor shall at the time of award possess a valid State of California Contractors License, Class [10 with medium to high voltage certification](#) or equivalent.
- City Business License(s) will be required for each agency.
- List all exclusion / conditions of quote.

On the following page, please provide lump sum unit costs (labor + material) for each line item in the bid form. Please provide pricing for each volume of fixtures where indicated.

Bid Form/Proposal Requirements

Item No.	Fixture Description	Proposed Fixture Manuf. + Model No.	Unit Cost (\$) Up to 50 Fixtures	Unit Cost (\$) Up to 100 Fixtures	Unit Cost (\$) Up to 200 Fixtures	Unit Cost (\$) 200+ Fixtures
1	Mobilization / Demobilization	NA				
2	Shoe Box – 100 W LED Equivalent					
3	Shoe Box – 250 W LED Equivalent					
4a	Shoe Box – 400 W LED Equivalent 480V					
4b	Shoe Box – 400 W LED Equivalent					
5a	Shoe Box – 1,000 W LED Equivalent 480V					
5b	Shoe Box – 1,000 W LED Equivalent					
6	Sports Lighter – 1,000 W LED Equivalent 480 V					
7	Sports Lighter – 1,000 W LED Equivalent					
8	Sports Lighter – 1,500 W LED Equivalent 480V					
9	Sports Lighter – 1,500 W LED Equivalent					
10	Area Lighting (flood) – 150 W LED Equivalent					
11	Area Lighting (flood) – 100 W LED Equivalent					
12	Area Lighting (flood) – 175 W LED Equivalent					
13	Area Lighting (flood) – 250 W LED Equivalent					

Item No.	Fixture Description	Proposed Fixture Manuf. + Model No.	Unit Cost (\$) Up to 50 Fixtures	Unit Cost (\$) Up to 100 Fixtures	Unit Cost (\$) Up to 200 Fixtures	Unit Cost (\$) 200+ Fixtures
14a	Area Lighting (flood) – 400 W LED Equivalent 480V					
14b	Area Lighting (flood) – 400 W LED Equivalent					
15a	Area Lighting (flood) – 1000 W LED Equivalent 480V					
15b	Area Lighting (flood) – 1000 W LED Equivalent					
16a	Area Lighting (round) – 1000 W LED Equivalent 480V					
16b	Area Lighting (round) – 1000 W LED Equivalent					
17	Area Lighting (flood surface mounted) – 100 W LED Equivalent					
18	Area Lighting (flood surface mounted) – 150 W LED Equivalent					
19	Area Lighting (flood surface mounted) – 175 W LED Equivalent					
20	Area Lighting (flood surface mounted) – 400 W LED Equivalent					
21	Area Lighting (flood surface mounted) – 1000 W LED Equivalent					
22	Wall Pack– 70W-100 W LED Equivalent					
23	Wall Pack– 150 W LED Equivalent					
24	Wall Pack– 175 W LED Equivalent					
25	Wall Pack– 250 W LED Equivalent					
26	Canopy Ceiling Surface Mount – 70 -100 W LED Equivalent					
27	Canopy Ceiling Surface Mount – 150W LED Equivalent					

Item No.	Fixture Description	Proposed Fixture Manuf. + Model No.	Unit Cost (\$) Up to 50 Fixtures	Unit Cost (\$) Up to 100 Fixtures	Unit Cost (\$) Up to 200 Fixtures	Unit Cost (\$) 200+ Fixtures
28	Canopy Ceiling Surface Mount – 175W LED Equivalent					
29	Canopy Ceiling Surface Mount – 250W LED Equivalent					
30	Canopy Ceiling Surface Mount – 400W LED Equivalent					
31	Post Top - 250 W LED Equivalent					
32	Post Top - 175 W LED Equivalent					
33	Post Top - 150 W LED Equivalent					
34a	Tennis Court / Basketball Court – 1,000 W LED, 5000K, 480V					
34b	Tennis Court / Basketball Court – 1,000 W LED, 5000K					
35	Handball Court – 150 W LED Equivalent, 5000K					
36	Bollards – 250W LED Equivalent					
37	Bollards – 175W LED Equivalent					
38	Screw-in Lamp – 100W LED (Corn Cob) Equivalent					
39	Screw-in Lamp – 150W LED (Corn Cob) Equivalent					
40	Screw-in Lamp – 175W LED (Corn Cob) Equivalent					
41	Screw-in Lamp – 150W LED (flood) Equivalent					
42	Screw-in Lamp – 100W LED (flood) Equivalent					
43	Screw-in Lamp – 60W LED (flood) Equivalent					

Item No.	Fixture Description	Proposed Fixture Manuf. + Model No.	Unit Cost (\$) Up to 50 Fixtures	Unit Cost (\$) Up to 100 Fixtures	Unit Cost (\$) Up to 200 Fixtures	Unit Cost (\$) 200+ Fixtures
44	Pendant Mount Fluorescent T8 8-foot – 110W LED Equivalent					
45	Removal and disposal cost for existing fixtures that are not replaced.					
46	Provide price for Mounting Hardware (bullhorn, bracket, tenon reducer, fuses,					
47	Photocell					
48	Shorting cap					

- Cost should reflect lump sum to provide all labor, materials, equipment, and incidentals to remove and dispose of existing fixture, purchase and installation of new fixtures. Tax and delivery fees should also be included.
- Photometric layouts for each site shall be provided by the winning bidder(s). Sites can be found on Attachment A.

Attachment A - SITE LIST

Carson Veterans Park

Site Address: 22400 MONETA AVENUE, CARSON, CA

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Lamps/fixt	Existing Watts/fixt
Ball field	Sports Lighter	111	MH 1000	1	1080

Carson Stevenson Park

Site Address: 905 E. FRANKE ST, CARSON, CA

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Ball Field	Sports Lighter	99	MH 1500	1610

Carson Scott Park

Site Address: 22400 MONETA AVENUE, CARSON, CA

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Soccer Field	Sports Lighter	74	MH 1000	1080

Carson Hemingway Park

Site Address: 700 E. GARDENA BLVD, CARSON, CA

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Ball Field	Sports Lighter	46	MH 1000	1080

Carson Dolphin Park

Site Address: 21205 S. WATER STREET, CARSON, CA

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Ball Field	Sports Lighter	119	MH 1500	1610
Building exterior	Wallpack	4	I 60	60
Building exterior	Surface mount	17	Circline 51	51
Handball Court	Pole Mount	3	HPS 150	188
Play Structure	Pole Mount	2	MH 450	488

Carson Del Amo Park**Site Address: 700 E. GARDENA BLVD, CARSON, CA**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Ball Field	Sports Lighter	96	MH 1000	1080

Carson Carriage Crest Park**Site Address: 23800 FIGUEROA STREET, CARSON, CA**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Ball Field	Sports Lighter	42	MH 1000	1080

Carson Calas Park**Site Address: 1000 E. 220TH STREET, CARSON, CA**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Ball Field	Sports Lighter	75	HPS 1000	1100

El Segundo Library**Site Address: 111 W MARIPOSA AVE, EL SEGUNDO 90245**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
building exterior	surface mount canopy	1	MH 250	295

El Segundo Civic Center**Site Address: 350 MAIN ST, EL SEGUNDO 90245**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
city hall	wallpacks	6	MH 100	128
city hall	floods	4	MH 1000	1080
city hall	floods	3	HAL 400	400
city hall	floods	2	MH 150	190
city hall	bollards	10	MH 175	215
police department	wallpacks	3	MH 100	128
police department	exterior screw-in	24	HPS 100	138
fire department	shoebox	3	MH 250	295

El Segundo Teen Center**Site Address: 401 E GRAND AVE, EL SEGUNDO 90245**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
skate park	shoebox	6	MH 1000	1080
skate park	floods	3	HPS 150	188
building exterior	surface mount canopy	1	MH 175	215
building exterior	wall mount	3	MH 250	295
Building exterior	wallpack	1	MH 100	128

El Segundo Hilton Park**Site Address: 301 MARYLAND ST, EL SEGUNDO 90245**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
park area	post-top	9	MH 175	215
building exterior	flood	2	HAL 75	75

El Segundo Recreation Park**Site Address: 335 SHELDON ST, EL SEGUNDO 90245**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
rec building	surface mount canopy	12	MH 150	190
rec building	wallpack	1	MH 150	190
ball field	sports lighters	86	MH 1000	1080
parking lot	floods	4	MH 400	495
indoor soccer	sports lighters	13	MH 1000	1080
basketball court	sports lighters	6	MH 1000	1080
tennis court	sports lighters	19	MH 1000	1080
volleyball courts	shoebox	8	MH 1000	1080
hand ball courts	sports lighters	2	MH 1000	1080
lawn bowling	sports lighters	6	MH 1000	1080
Joslyn center	wallpack	1	MH 150	190
maintenance area	wallpack	1	MH 150	190
outreach office	surface mount canopy	1	MH 100	128
park area	post-top	3	MH 175	215

Gardena Rowley Park**Site Address: 13220 VAN NESS AVENUE, GARDENA, CA**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Gym Building Front Door Exterior	Wallpack	2	100W MH	138
Gym Building Exterior	Wallpack	4	250W MH	295
Gym Building Exterior	Flood	6	1000W HPS	1080
Basketball Courts	Flood	10	1000W MH	1080
Tennis Courts	Flood	24	1000W MH	1080
Path Lighting	Post-top	23	175W MV	205
Bench Area	Surface mount canopy	2	150W MH	190
Ball Field	Flood	89	1500W MH	1610
Ball Field	Flood	14	1000W MH	1080
Concession Stand Exterior	Recessed	8	150W MH	190
Parking Lot	Cobrahead	4	400W HPS	465

Gardena Mas Fukai Park**Site Address: 15800 BRIGHTON AVE, GARDENA, CA**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Park Office Interior	Pendant mount T8 2L 8-foot	11	T8 60W	110
Park Office Exterior	Screw-in	20	13W CFL	13
Park Office Exterior	Screw-in	3	60W Incan	60
Playground	Flood	1	400W MH	458
Basket Ball Courts	Flood	5	1000W MH	1080
Ball Field	Flood	68	1000W MH	1080
Restrooms	Wallpack	4	150W MH	190

Hawthorne City Yard**Site Address: 12500 EUCALYPTUS AVE, HAWTHORNE 90250**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Building exterior	wallpack	12	MH 250	295
Fueling Station	surface mount canopy	2	MH 400	458

Hawthorne Memorial Park**Site Address: 3901 W EL SEGUNDO BLVD, HAWTHORNE 90250**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Building exterior	wallpack	2	MH 100	128
Building exterior	wallpack	7	MH 250	295
Soccer field	shoebox	26	MH 1000	1080

Hawthorne Thrope Park**Site Address: 14100 PRAIRIE AVE, HAWTHORNE**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Building exterior	wallpacks	4	MH 250	295
Ball field	sports lighters	68	MH 1500	1610
Soccer field	shoebox	16	MH 1000	1080

Hawthorne Holly Park**Site Address: 2055 W 120TH ST, HAWTHORNE**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Ball field	sports lighters	74	MH 1000	1080
Tennis courts	pole top	16	MH 1000	1080
Basketball court	pole top	8	MH 1000	1080
Building exterior	flood	2	MH 175	215
Building exterior	wallpacks	4	MH 250	295
Parking lot	shoebox	3	MH 400	456

Inglewood Darby Park**Site Address: ARBOR VW/O 11 AVE, INGLEWOOD 90305**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Rec Building	floods	8	MH 100	128
Ball Field	sports lighters	24	MH 1000	1080
Tennis Courts	floods	12	MH 1000	1080
Restroom	wallpacks	3	MH 150	190

Inglewood Water Treatment**Site Address: 300 W BEACH AVE, INGLEWOOD 90302**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
treatment area	shoebox	28	MH 1000	1080
treatment area	shoebox	2	MH 400	458
building exterior	floods	5	MH 400	458

Inglewood Rogers Park**Site Address: 400 W BEACH AVE, INGLEWOOD 90302**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
rec building	wallpacks	8	MH 175	215
rec building	surface mount canopy	11	MH 100	128
rec building	wallpacks	9	MH 250	290
park area	post-tops	2	MH 175	215
ball field	sports lighters	62	MH 1500	1610
ball field	floods	2	MH 175	215
tennis courts	flood	13	MH 1000	1080

Inglewood Civic Center**Site Address: 1 W MANCHESTER BLVD, INGLEWOOD 90301**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
pathway	post-top	59	MH 250	295
library	wallpack	2	MH 250	295
library	wallpack	6	MH 150	190
police department	wallpack	8	MH 150	190
police department	floods	2	MH 400	458
police department	bollards	7	MH 175	215

Manhattan Beach Village Park**Site Address: 1212 PARK VIEW, MANHATTAN BEACH, CA**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Soccer Field	Sports Lighter	28	MH 1500	1610
Park Area	Shoebox	4	MH 100	128

Manhattan Beach Sports Complex**Site Address: 1801 MARINE AVE, MANHATTAN BEACH, CA**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Field 1	Sports Lighter	73	MH 1500	1610
Field 2	Sports Lighter	24	MH 1500	1610
Building exterior	Wallpack	20	CFL 42	42
Building exterior	Surface mount canopy	34	CFL 42	42

Manhattan Beach Marine Ave Park**Site Address: 1625 MARINE, AVE, MANHATTAN BEACH, CA**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Soccer Field	Sports Lighter	20	MH 1500	1610
Baseball Field	Sports Lighter	49	MH 1500	1610
Concession Building	Wallpack	5	MH 150	190
Office	Building exterior	16	HPS 100	138

Manhattan Beach Heights Park**Site Address: 1600 MANHATTAN BEACH BLVD, MANHATTAN BEACH, CA**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Ball Field	Sports Lighter	16	MH 1500	1610

Manhattan Beach Joslyn Center**Site Address: 1601 N VALLEY DR, MANHATTAN BEACH, CA**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Ball Field	Sports Lighter	24	MH 1500	1610

Manhattan Beach Live Oak Park**Site Address: 1901 N VALLEY DR, MANHATTAN BEACH, CA**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Large Ball Field	Sports Lighter	44	MH 1500	1610

RB Veterans Park**Site Address: 305 ESPLANADE, REDONDO BEACH, CA**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
park area	decorative pole mount	15	HPS 150	188

RB Aviation Park**Site Address: 1935 MANHATTAN BEACH BLVD, REDONDO BEACH**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Parking lot	decorative pole mount	8	MH 175	215
Showers	wallpack	2	MH 250	295
Gym building	flood	2	MH 100	128
Soccer field	sports lighters	28	MH 1500	1610

RB Performing Arts Center**Site Address: 1935 MANHATTAN BEACH BLVD, REDONDO BEACH**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Parking Lot	Round pole mounted	31	MH 1000	1080
Building Exterior	Flood	11	MH 250	295

RB Hopkins Wilderness**Site Address: 1030 CAMINO REAL, REDONDO BEACH**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Pathway	Post-top	3	HPS 200	250

Torrance Sea-Aire**Site Address: 22730 LUPINE DR, TORRANCE, CA**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Golf building	Wallpacks	2	MH 70	95
Park area	Flood	3	HPS 400	465

Torrance El Retiro Park**Site Address: 126 VISTA DEL PARQUE, REDONDO BEACH, CA**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Parking lot	Flood	8	MH 400	490
Pathway	Pumpkin head	1	HPS 200	250
Tennis court	Flood	12	MH 400	490
Building exterior	Wallpacks	14	MH 175	215
Building exterior	Canopy Surface mount	7	MH 175	215
Table area	Wallpacks	2	MH 175	215

Torrance Walteria Park**Site Address: 3815 W 242ND ST, TORRANCE, CA**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Rec building	wallpack	4	MH 175	215
Table area	canopy surface mount	4	MH 175	215
Ball field	Sports lighters	34	MH 1000	1080
Ball field	flood	4	MH 400	490

Torrance Lago Seco Park**Site Address: 3920 W 235TH ST, TORRANCE**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Restroom	wallpack	1	MH 175	215
Restroom	wallpack	2	MH 250	290
Ball field	Sports lighters	32	MH 1000	1080

Torrance Seaside Heroes**Site Address: 22851 ANZA AVE, TORRANCE, CA**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Pathway	Decorative post-top	10	MH 175	215

Torrance Discovery Park**Site Address: 22526 OCEAN AVE, TORRANCE, CA**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Pathway	Post-top	6	MH 175	215
Table area	Surface mount canopy	1	MH 175	215

Torrance Hickory Park**Site Address: 2851 W 232ND ST, TORRANCE, CA**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Pathway	Post-top	6	MH 175	215
Table area	Surface mount canopy	1	MH 175	215

Torrance Sur La Brea**Site Address: 1951 W 237TH ST, TORRANCE**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Pathway	Pumpkin heads	14	HPS 200	250
Basketball court	Flood	4	MH 400	490
Tennis courts	Flood	18	MH 400	490
Restroom	Wallpacks	2	MH 175	215
Park area	Flood	3	MH 400	490

Torrance Pueblo Park**Site Address: 2252 DEL AMO BLVD, TORRANCE**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Basketball court	Flood	2	MH 400	290
Basketball court	Flood	1	MH 175	215
Table area	Surface mount canopy	8	MH 50	66

Torrance Delthorne Park**Site Address: 3401 SPENCER ST, TORRANCE, CA**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Pathway	Shoebox	14	MH 250	290
Pathway	Flood	1	MH 250	290
Park area	Flood Triple fixture	3	MH 250	290
Park area	Flood Double fixture	2	MH 250	290
Restroom	Surface mount canopy	4	MH 175	215
Basketball court	Flood Double fixture	4	MH 400	495
Electric Room	Wallpack	1	HPS 70	95
Parking lot	Flood Double fixture	2	MH 250	215

Torrance Victor Park**Site Address: 4721 EMERALD ST, TORRANCE**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Pathway	Pumpkin head	12	HPS 200	250
Outdoor kitchen area	wallpack	2	MH 250	290
Outdoor kitchen area	wallpack	1	MH 175	215

Torrance Paradise Park**Site Address: 5006 LEE ST, TORRANCE, CA**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Tennis courts	Shoebox	16	MH 1000	1080
Rec building	Surface mount canopy	3	MH 175	215

Torrance La Romeria Park**Site Address: 19501 INGLEWOOD AVE, TORRANCE, CA**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Rec building	Surface mount	3	MH 175	215
Rec building	Flood	1	MH 175	215
Basketball court	Flood	6	MH 1000	1080
Basketball court	Flood	2	MH 175	215
Tennis court	Flood	6	MH 1000	1080
Sports field	Sports lighters	2	MH 1000	1080

Torrance Sunnyglen Park**Site Address: 5525 DEL AMO BLVD, TORRANCE, CA**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Park area	Pumpkin heads	10	HPS 200	250
Park area	Shoebox	3	MH 250	290

Torrance La Carretara Park**Site Address: 2040 W 186TH ST, TORRANCE, CA**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Park area	Shoebox	3	MH 250	290
Park area	Flood	2	MH 250	290
Basketball court	Flood	4	MH 400	495

Torrance Osage Park**Site Address: 17008 OSAGE AVE, TORRANCE, CA**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
parking lot	flood	2	MH 250	290

Torrance El nido Park**Site Address: 18309 KINGSDALE AVE, REDONDO BEACH, CA**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Parking lot	Area lighter	1	MH 250	290
Park area	Area lighter	2	MH 250	290
Parking lot	Area lighter	4	MH 250	290
Rec building	Surface mount canopy	3	MH 150	190
Sports field	Sports Lighters	40	MH 1000	1080

Torrance Pequeno Park**Site Address: 180TH ST & REGINA AVE, TORRANCE, CA**

Area	Existing Fixture Type	Fix Qty	Existing Lamp Type	Existing Watts/fixt
Park area	Area lighter	1	HPS 200	250
Park area	Pumpkin head	1	MH 150	190