



# SOLAR PROJECT OVERVIEW

## CURRENT SOLAR OVERVIEW

### IUSD's Current Solar Portfolio:

#### 34 Solar Arrays at 28 Sites

- 17 Rooftop Installations
- 17 Solar Vehicle Shade Structure Installations

#### First System Activated in August 2010

#### 8.1 Megawatts of Generating Capacity

**As of June 30, 2019, cumulative energy savings have been estimated at \$2.26 Million**

**March 26, 2019 - New Solar Power Services and Site Lease Agreement with Onyx Development Group, LLC to continue IUSD's solar program at existing sites and any new school sites.**

# NEW SOLAR SITES

Summer 2019 **Solar Vehicle Shade Structure Sites**

Cadence Park School



Eastwood Elementary School



IRVINE UNIFIED  
SCHOOL DISTRICT

# FUTURE OF SOLAR IN IUSD



## **Summer 2020** Solar Vehicle Shade Structure Installations

- Sierra Vista Middle School
- El Camino Real Elementary School
- Canyon View Elementary School

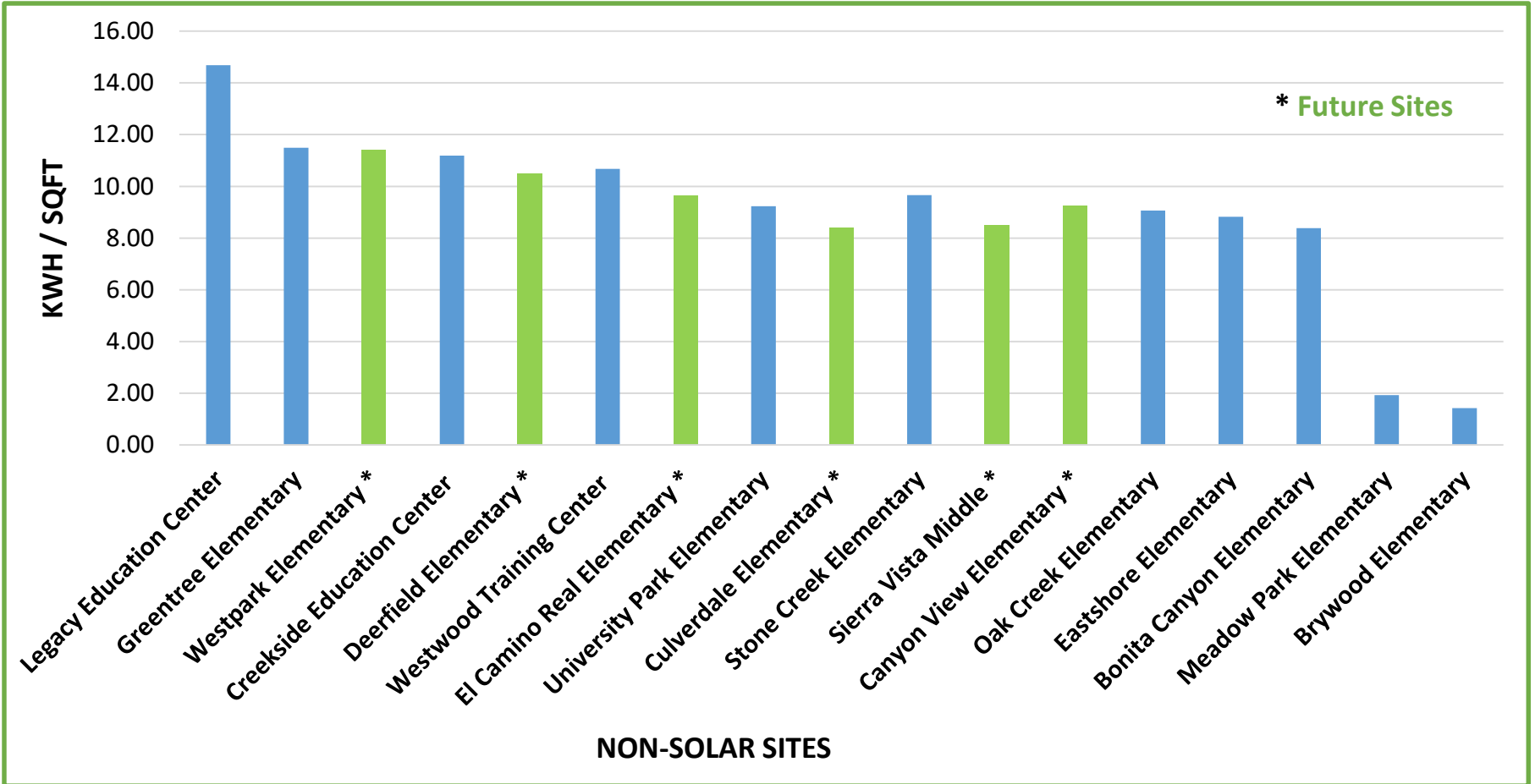
## **Summer 2021** Solar Vehicle Shade Structure Installations

- Culverdale Elementary School
- Westpark Elementary School
- Deerfield Elementary School

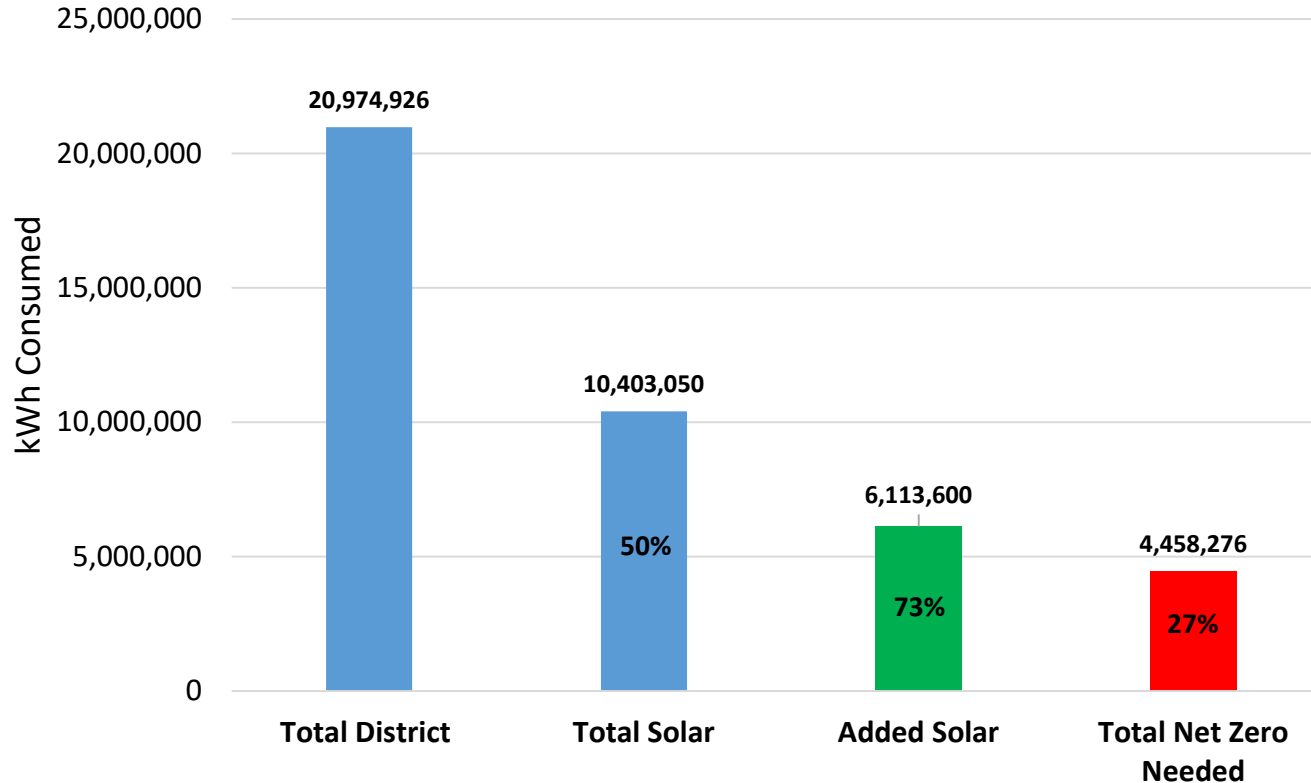
## **6 New Solar Systems**

- Adds 3.1 megawatts (MW) of production capacity
- 11.1-MW Solar Portfolio at 35 Sites

# FY 2018-2019 Electricity Use



## FY 2018 - 2019 IUSD Electricity Consumption (KWH)



- Currently at 50% of our Net Zero Energy Goal
- Added Solar at 73% of our Net Zero Energy Goal
- Need to produce 27% more onsite renewable solar energy



# NEW SOLAR SITES AND INCENTIVES

## Future Solar Vehicle Shade Structure Sites

### Sierra Vista Middle School

*2 Liberty, Irvine, CA 92620*

- Construction Start: Summer 2020
- Construction Completion: Fall 2020
- The Proposed Solar Installation is designed to offset the school's energy usage by a total of **659 MWh** per year



# NEW SOLAR SITES AND INCENTIVES

## Future Solar Vehicle Shade Structure Sites

### El Camino Real Elementary School

4782 Karen Ann Ln, Irvine, CA 92604

- Construction Start: Summer 2020
- Construction Completion: Fall 2020
- The Proposed Solar Installation is designed to offset the school's energy usage by a total of **670 MWh** per year





# NEW SOLAR SITES AND INCENTIVES

## Future Solar Vehicle Shade Structure Sites

### Canyon View Elementary School

*12025 Yale Ct, Irvine, CA 92620*

- Construction Start: Summer 2020
- Construction Completion: Fall 2020
- The Proposed Solar Installation is designed to offset the school's energy usage by a total of **540 MWh** per year



# NEW SOLAR SITES AND INCENTIVES

## Future Solar Vehicle Shade Structure Sites

### Culverdale Elementary School

*2 Paseo Westpark, Irvine, CA 92614*

- Construction Start: Summer 2021
- Construction Completion: Fall 2021
- The Proposed Solar Installation is designed to offset the school's energy usage by a total of **532 MWh** per year



# NEW SOLAR SITES AND INCENTIVES

## Future Solar Vehicle Shade Structure Sites

### Westpark Elementary School

*25 San Carlo, Irvine, CA 92620*

- Construction Start: Summer 2021
- Construction Completion: Fall 2021
- The Proposed Solar Installation is designed to offset the school's energy usage by a total of **540 MWh** per year





# NEW SOLAR SITES AND INCENTIVES

## Future Solar Vehicle Shade Structure Sites

### Deerfield Elementary School

*2 Deerfield, Irvine, CA 92604*

- Construction Start: Summer 2021
- Construction Completion: Fall 2021
- The Proposed Solar Installation is designed to offset the school's energy usage by a total of **600 MWh** per year



## RECOMMENDED MOTION

**Approve the installation of solar vehicle shade structures at the following six (6) sites:**

- **Sierra Vista Middle School**
- **El Camino Real Elementary School**
- **Canyon View Elementary School**
- **Culverdale Elementary School**
- **Westpark Elementary School**
- **Deerfield Elementary School**

**THANK YOU**