



SUNPOWER®

MORE ENERGY. FOR LIFE.™

San Leandro Unified School District

Presentation to Board of Education

December 17, 2013

Agenda

- SunPower Overview
- San Leandro USD Solar Project Overview
- SunPower K-12 Educational Program

SunPower Overview

- Leading Developer of Commercial and Utility Scale Solar Projects
- Best Performing, Most Reliable Solar Technology Available
- Financed and built \$417 million (68MW) of Solar Systems for K-12 Schools & Colleges
- SunPower's PV Modules manufactured in CA
- Extensive DSA Experience, with Pre-Check Carport and Shade Structure Designs
- 66.3% owned by Total, S.A. (11th largest company in world)
- SunPower Operates and Maintains over 1GW of Large Commercial Solar Systems
- SunPower's Education Program: Project Lead the Way STEM Curriculum, Teacher Training and Paid Internships

Established. Proven. Leading Solar Provider for K-14

Education

"We're proud to serve as a model for educational institutions statewide and across the nation in achieving energy sustainability and preserving the environment, while reducing energy costs and thereby maximizing resources for students."

— Martha J. Kanter, Chancellor, Foothill-DeAnza Community College District

San Leandro USD Solar Project Overview

	System Size (kW DC)	System Description	Campus Energy Usage (kWh)	% Offset by Solar	Estimated Completion
Bancroft Middle School	240	Carport, Shade & Rooftop	456,000	80%	Sept. 2014
San Leandro High School	939	Carport, Shade & Rooftop	2,021,336	70%	Sept. 2014
Total	1,179		2,477,336	72%	

Carport



Shade Structure



Rooftop



San Leandro USD Solar Project Overview

- Key Elements of Solar Program
 - Design, Installation and Commissioning
 - Division of State Architect (DSA) permitting
 - Comprehensive Operations & Maintenance (O&M)
 - Continuous performance monitoring
 - Performance Guarantee – Guarantees Energy Savings
 - Long Term Warranties
 - PV Modules, Inverters and System
 - SunPower's Education Program

SunPower K-12 Educational Program

Teacher Training



- * SunPower University in Richmond
- * Adds Relevance to Courses
- * Connects Teachers to Employers
- * Provides Solar Training & Certification

Renewable Energy Curriculum



- * “Project Lead the Way” Courses
- * Introduction to Engineering Design
- * Principles of Engineering
- * Renewable Energy Lesson Plans

Student Internships



- * Paid Internships
- * Work-based learning
- * Comprehensive review of solar value chain; career paths; project economics; environmental benefits

SunPower Confidential