

# Project Green: Student-Driven Water Efficiency Programs



# Introduction

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## 3 quick facts



1. BS and MS in Construction Management from Colorado State University

Focused on Sustainability and Green Schools

2. Work Experience – Construction Project Manager

LEED AP

3. Extended Overseas Travel

Somehow made it to all 7 Continents

**THE CENTER**  
**FOR GREEN SCHOOLS**



**FELLOWSHIP PROGRAM**





**OUR MISSION: GREEN SCHOOLS WITHIN THIS GENERATION**

## **green school**

\ grEn skül \ n.

**a school building or facility  
that creates a healthy  
environment that is  
conducive to learning while  
saving energy, resources  
and money**

# We are SCUSD

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**12th largest school district in California**

**Serving over 44,000 students**

**At 82 campuses**

72 K-12 schools (44: ES, 6: K-8, 9: MS, 2: Multi, 13: HS)

8 Independent Charter Schools

2 Adult Education Schools

**Over 4,300 Employees**

**Diversity**

36% Hispanic or Latino

18.3% Asian

16.3% African American

19% white

About 7% of students are of two or more races or ethnicities

**\*\*Speak more than 40 languages**

**\*\*38% of students do not speak English at home**



# Green to Date

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## Green apple logo



Old logo





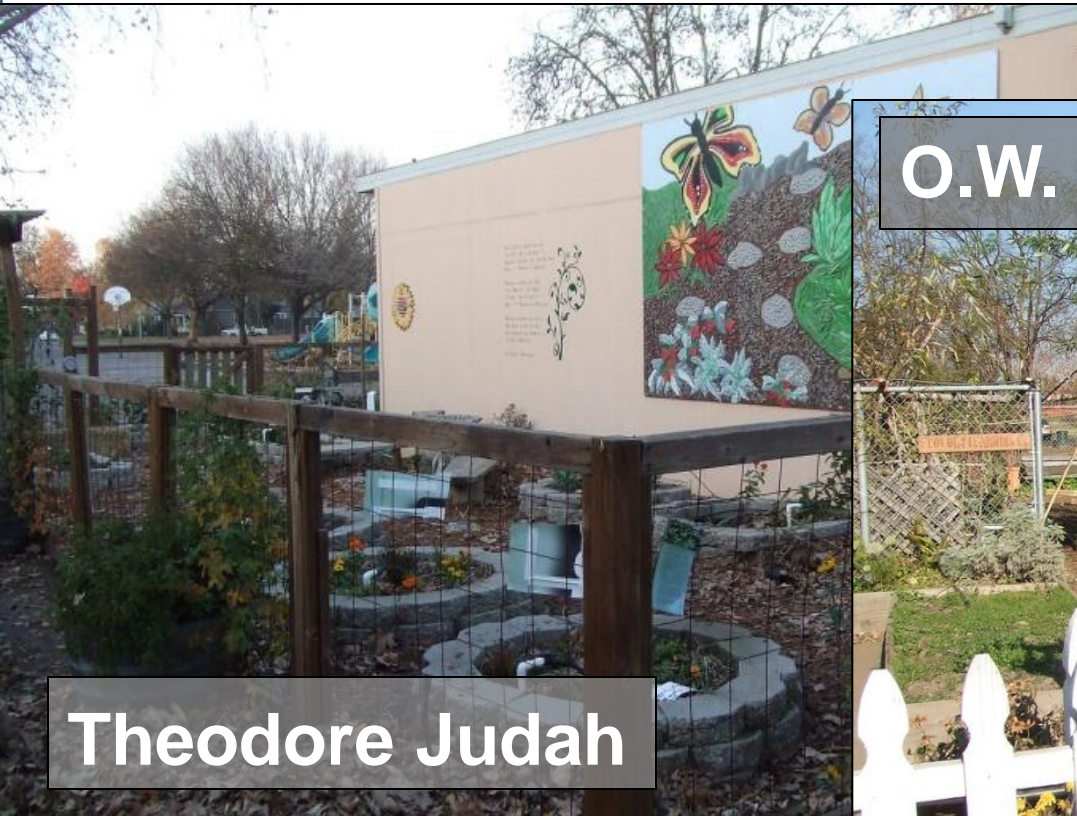
# Green to Date

46 Gardens across the District

District Garden Specifications

Healthy Foods Task Force

Every school has salad bars



Theodore Judah

O.W. Erlewine





# Green to Date

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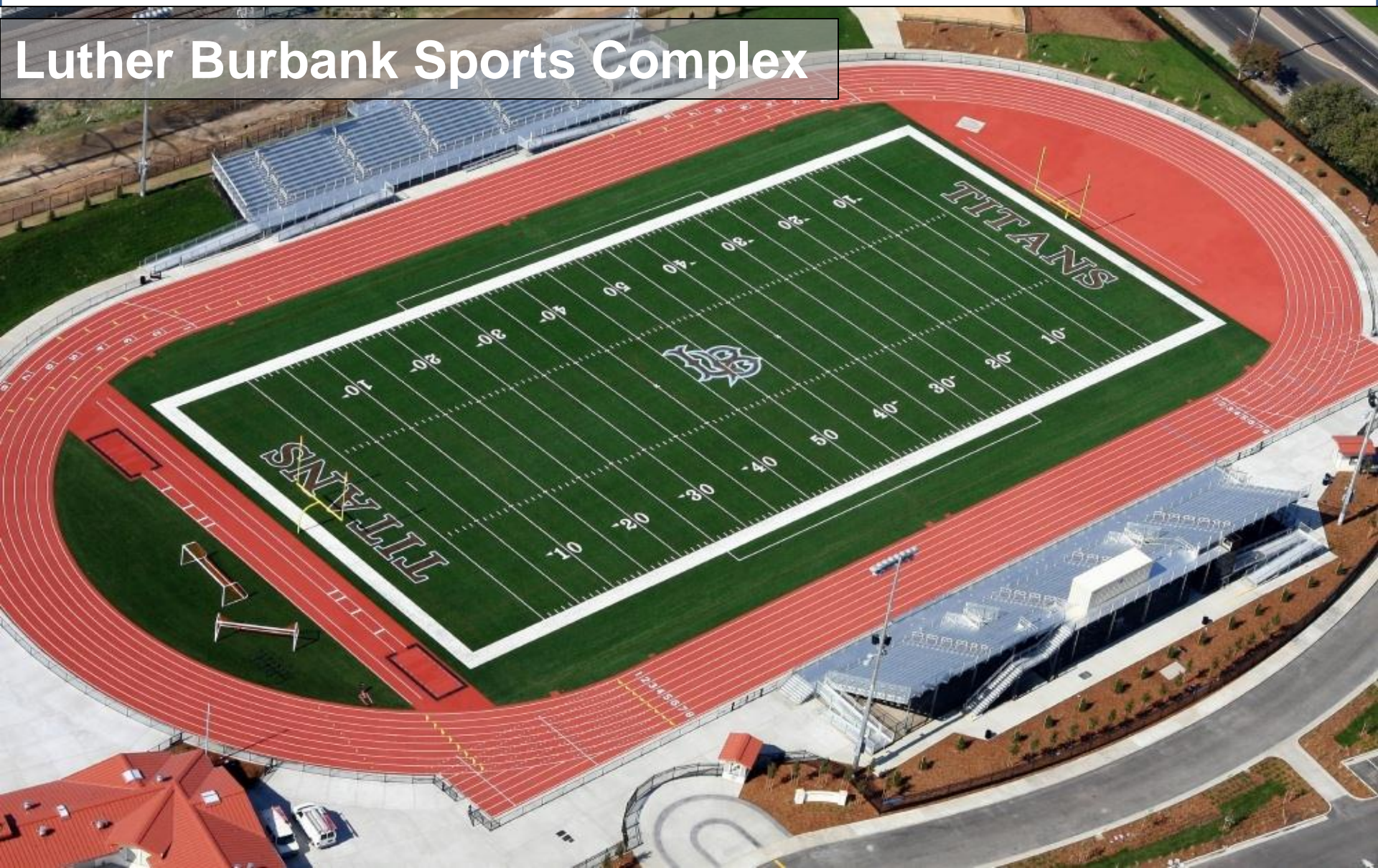
## **Board Policy 3511**

### **Grimes/Kennedy Green And Grid Neutral Model Schools Policy Initiative**

The Governing Board recognizes the importance of minimizing the district's energy dependence, carbon footprint, and use of natural resources and commits to providing a high quality learning environment that promotes health and productivity for its building occupants by endeavoring to produce at least as much energy as we consume (Grid Neutral) and implementing sustainable resource practices through its physical assets, operations, and curriculum for K-12 and adult education.

# Green to Date

## Luther Burbank Sports Complex





# Green to Date



**The MET High School**





# ProjectGreen

*Greening Sacramento one school at a time!*





# ProjectGreen

*Greening Sacramento one school at a time!*



February of 2011 School Board allocated  
**\$5,000,000** of redevelopment funds to  
student developed green school projects

**April 2011** Superintendent Raymond  
announced Project Green at an Earth Day  
event

Here is where I come in...



# ProjectGreen

*Greening Sacramento one school at a time!*



Four “simple” steps:

1. Student perform green school audits
2. Develop recommendations
3. Present to a “blue ribbon” panel
4. Award funding





# ProjectGreen

*Greening Sacramento one school at a time!*



1. Student perform green school audits
  - Gathered audit info from multiple sources to create an easy to follow audit process
  - Water, energy, indoor environmental quality, site sustainability, etc.
2. Developed recommendation
  - Worked with District and local professionals
    - Shop Supervisors
    - Architects, engineers, designers



# ProjectGreen

*Greening Sacramento one school at a time!*



3. Present to a “blue ribbon” panel
  - 5-minute presentation, 5-page paper
  - Representatives from local non-profits
  - Scoring rubric distributed to all teams
4. Award funding
  - Schools were awarded funding based on judges scores
  - Implement student recommended projects

# Project Green 2012



- 15-student led teams from across SCUSD performed Green School Audits
- Worked with District and local professionals
  - Shop Supervisors
  - Architects, engineers, designers
- Generated recommendations for improvement



# Project Green 2012

- Present recommendations to a “blue ribbon” panel of local experts on April 18<sup>th</sup>, 2012
  - Short written document explaining process and final recommendation
  - “Science Fair” style event



# Project Green 2012

- \$5 million of reallocated redevelopment funds support chosen projects
- Project executions to start during the Fall of 2012

Rosemont - \$500,000  
HVAC, recycling, pool pump



Washington - \$550,000  
Hand dryers, HVAC upgrades,  
outdoor classrooms



Erlewine - \$500,000  
Irrigation upgrades,  
outdoor classroom,  
shade structure





# ProjectGreen

*Greening Sacramento one school at a time!*



Theodore Judah – up to \$400,000 to upgrade cafeteria

❖ George Washington Carver – up to \$400,000 to build a rainwater catchment system

Isador Cohen – up to \$400,000 to install solar tubes

❖ Luther Burbank – up to \$300,000 for bathroom improvements

❖ Alice Birney – up to \$300,000 improved landscaping and daylighting

Will C. Wood – up to \$300,000 to replace windows

❖ John Sloat – up to \$200,000 upgraded irrigation and xeriscaping

❖ School of Engineering and Sciences – up to \$200,000 upgraded irrigation/outdoor classroom

❖ Maple – up to \$200,000 upgraded irrigation and playing field

❖ Sutterville – up to \$200,000 for bathroom improvements

Camellia – up to \$200,000 to replace windows

❖ McClaskey Adult Ed – up to \$100,000 to improve bathrooms



# November 2012 Election

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## The voters approved two bond measure

- Measure Q:
  - Core Academic Transformation
    - \$346 Million
    - Transform high schools, technology, fire and irrigation, and resource/energy conservation
- Measure R:
  - Health & Safety
    - \$68 Million
    - Improve playing fields and central kitchen

# Project Green 2013

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- Measure Q:
  - Project Green
    - \$1 Million/ year for 5 years
  - 2013 Project Green
    - 12 schools performed green school audits
    - Presented on May 23<sup>rd</sup>
    - \$1,000,000 awarded on June 12<sup>th</sup>

# Project Green 2013



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# Project Green 2013

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- ❖ C.K. McClatchy – Up to \$150,000 (low-flow, dual-flush toilets, motion sensor fixtures and hand dryers)
- Crocker/Riverside Elementary – up to \$120,000 (solar tubes and reflective paint)
- ❖ Fern Bacon Middle School – up to \$120,000 (low-flow, dual-flush toilets, motion sensor fixtures and hand dryers)
- A.M. Winn Elementary – up to \$100,000 (cool roof, skylights on multi-purpose room)
- School of Engineering and Sciences – up to \$100,000 (solar tubes and benches)
- Sutterville Elementary – up to \$70,000 (LED lighting)
- ❖ Washington Elementary (project at Sutter Middle School) – up to \$70,000 (outdoor classroom and xeriscaping)
- Luther Burbank High School – up to \$70,000 (recycling bins and equipment)
- McClaskey Adult Education Center – up to \$50,000 (air conditioning units in select rooms)
- ❖ H.W. Harkness Elementary – up to \$50,000 (low-flow, dual-flush toilets, motion sensor fixtures and hand dryers)
- American Legion High School – up to \$50,000 (exercise equipment and fencing for outdoor sports)
- ❖ Isador Cohen Elementary – up to \$50,000 (outdoor classroom and xeriscaping)



# Project Green 2014

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Year 2 of Measure Q bond funding - \$1,000,000

## **Estimated timeline of events:**

- Recruit advisors/student teams: Sept – Nov  
Do you know anyone interested?
- Student teams begin green school audits: Dec/Jan
- Develop recommendations: Jan – April  
Would you like to help advise/develop recommendations?
- Present recommendations: End of April (Earth Day Event)  
Would you like to be part of the “blue ribbon” panel?
- Award funding: May

# Thank you!!

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