# Sustainability at Ventura County CCD

Fall 2014



### Lake Oroville, CA

#### July 20, 2011



August 19, 2014



### Lake Oroville, CA

#### July 20, 2011

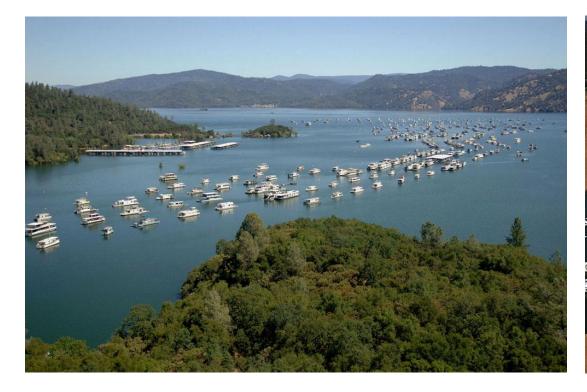


August 19, 2014



### Lake Oroville, CA

#### July 20, 2011



August 19, 2014



Lake Shasta, CA

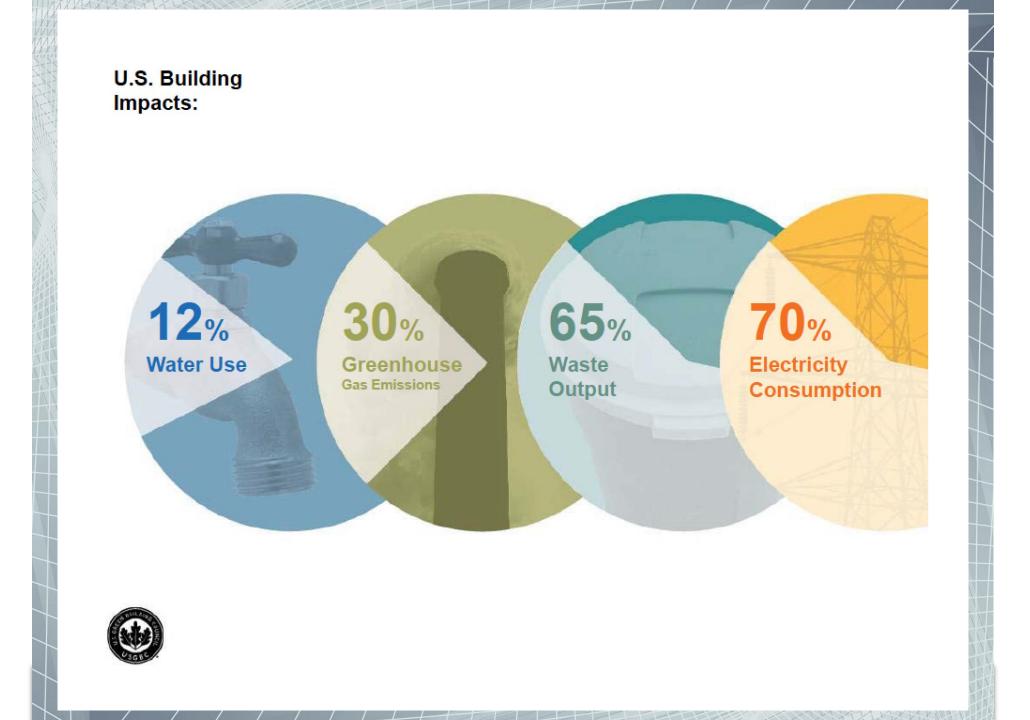
#### August 30, 2014



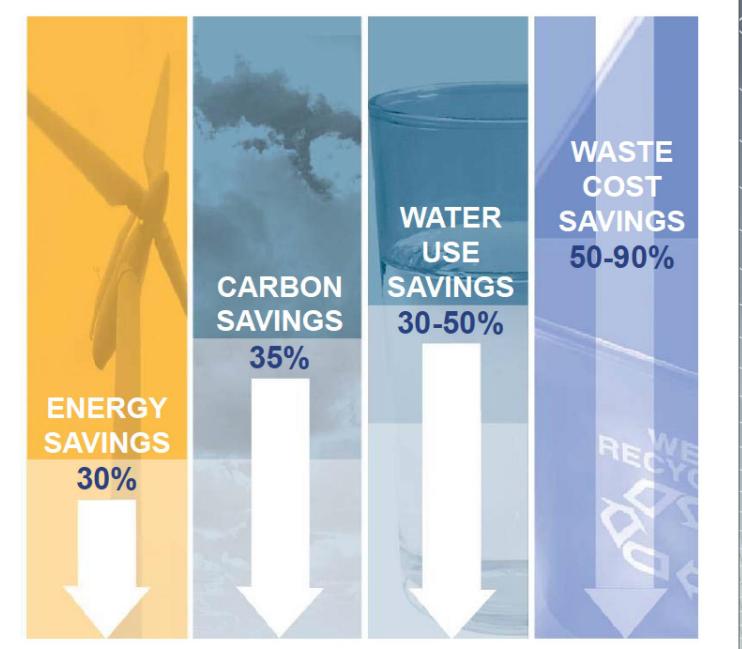
August 30, 2014







Average Savings of Green Buildings





Source: Capital E Results of the California Study: Average Bottom Line Savings



The William and Flora Hewlett Foundation Menio Park CA LEED Gold

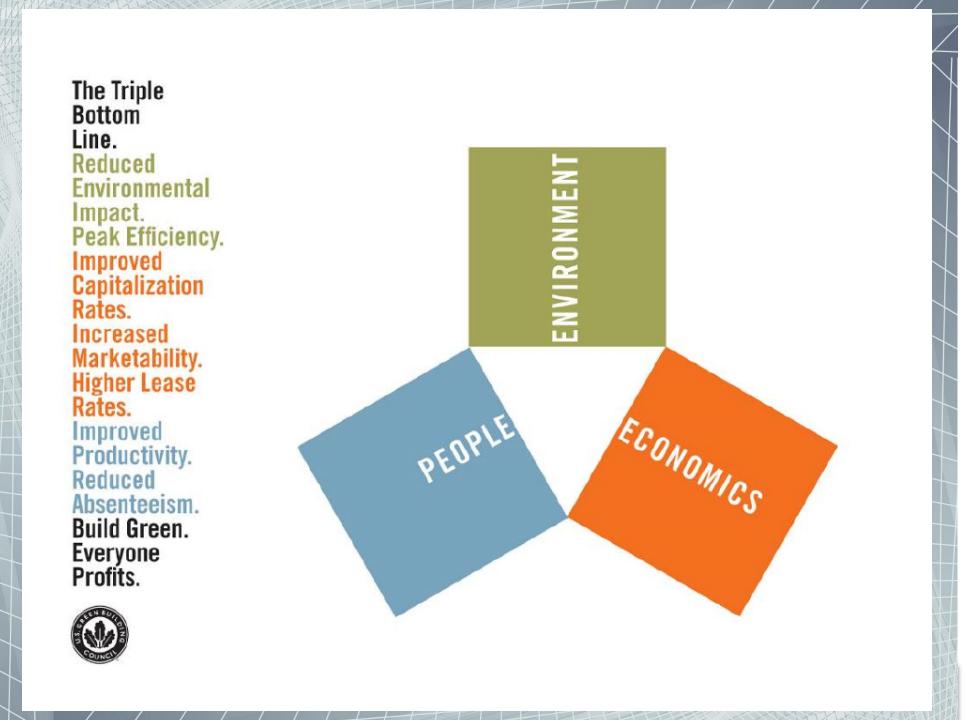
(ANNUAL RETURN ON INVESTMENT IS 25-40%)

1.1

**GREEN INPROVEMENTS PAY FOR** 

THEMSELVES IN YEARS





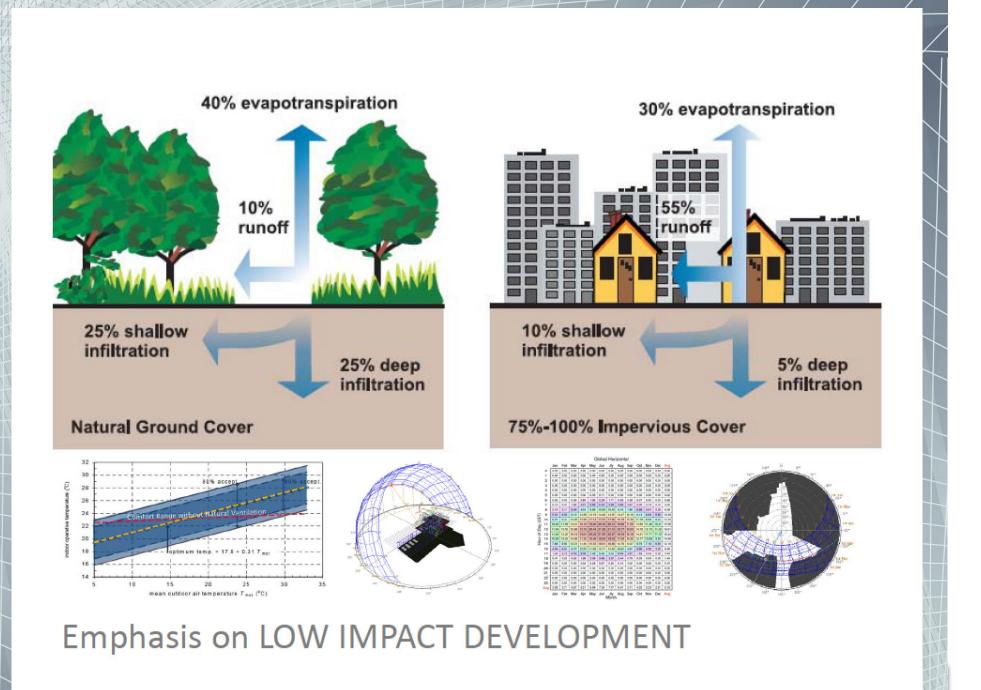
#### **Primary Goals**



### LEED – Leadership in Energy & Environmental Design



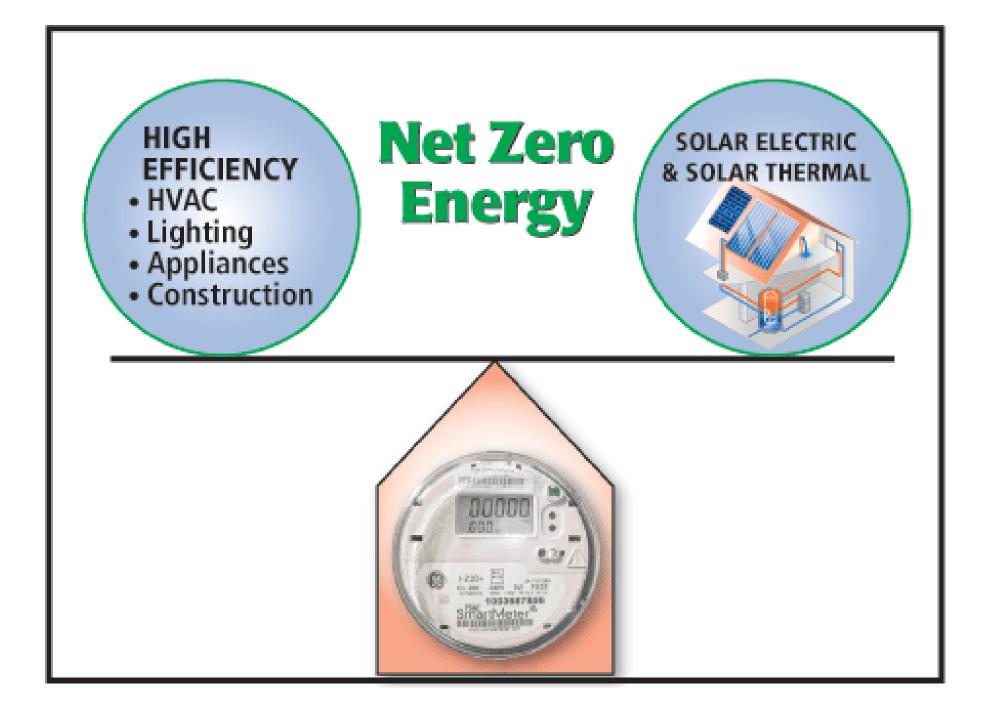
- Certification program that guides the design, construction, operations and maintenance.
- The most widely recognized green building program in the world
- 1.5 million sf/day certified in 135 countries
- >54,000 projects current LEED projects → 10.1 billion sf



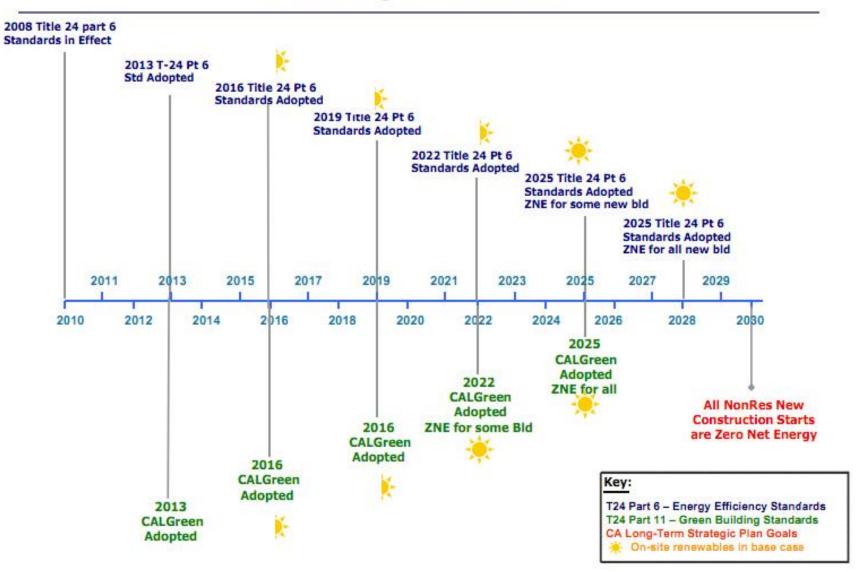
#### Additional Metering + Demand Response

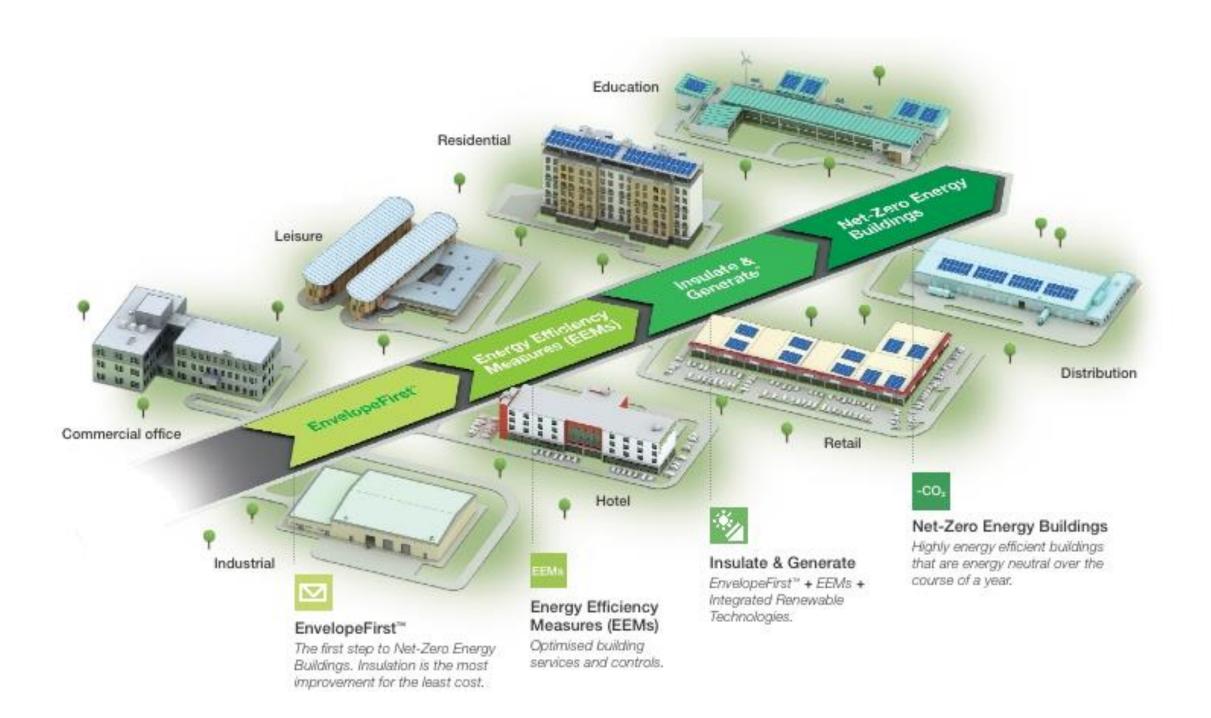


SIDEBAR: 2013 California Energy Code +/- 30% stricter than the current code postponed to July 1, 2014

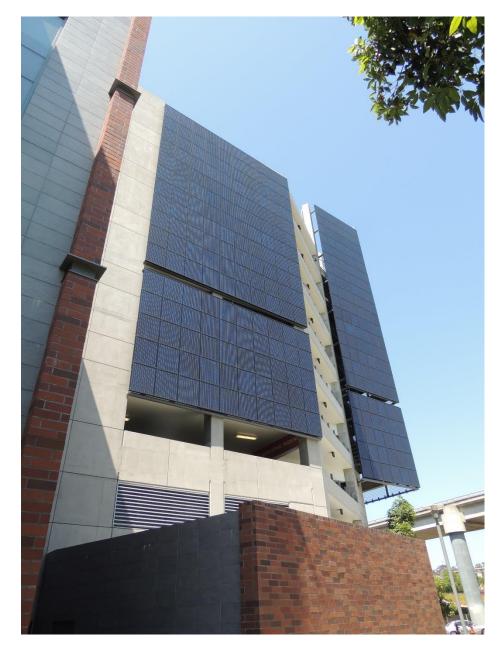


#### Title 24 Path to Net Zero – Nonresidential Building Standards





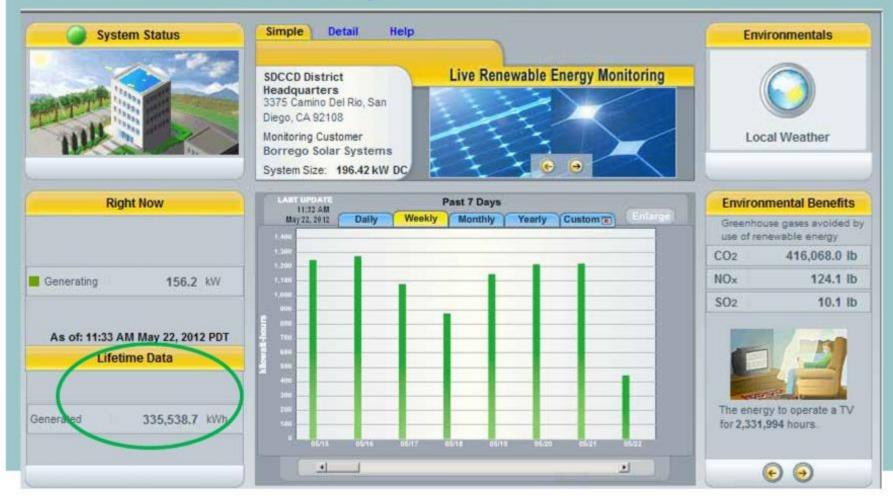






### **Solar PV Power Production Dashboards**

#### **SDCCD** District Headquarters

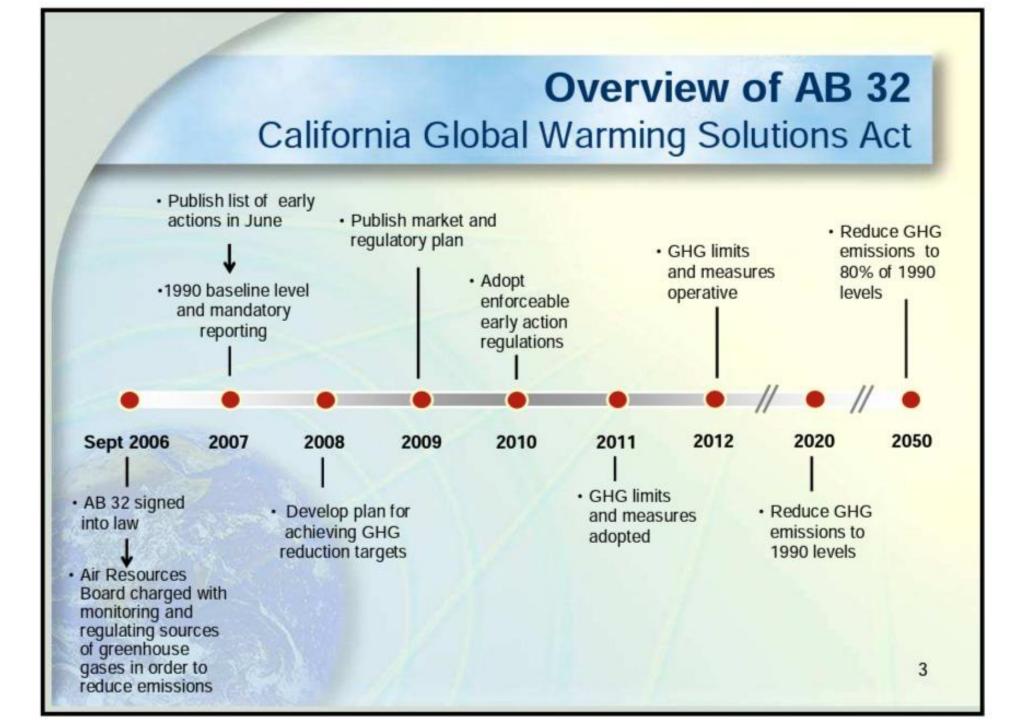




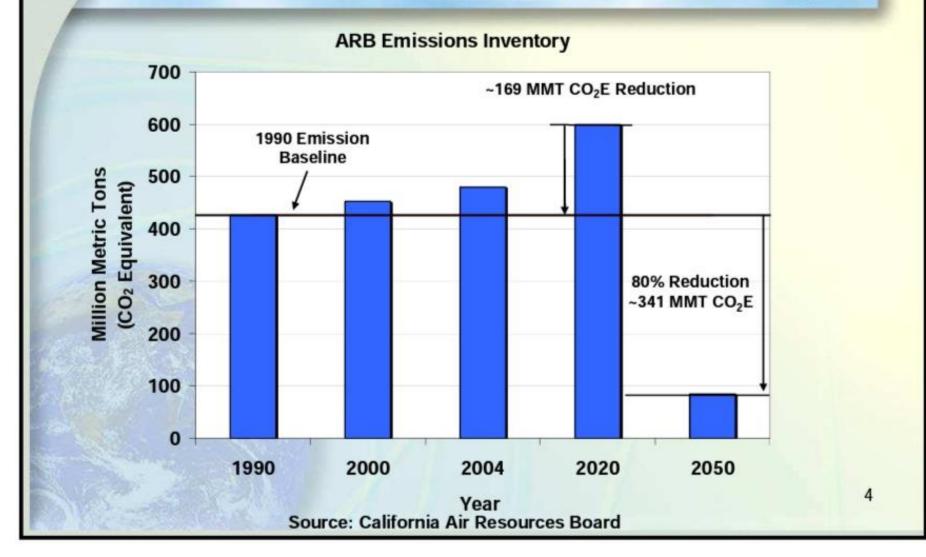
#### SAN DIEGO COMMUNITY COLLEGE DISTRICT

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### Magnitude of the Challenge California's GHG Reduction Targets



### **Green Building Strategy**

Solution for Cross-Sector GHG Reductions

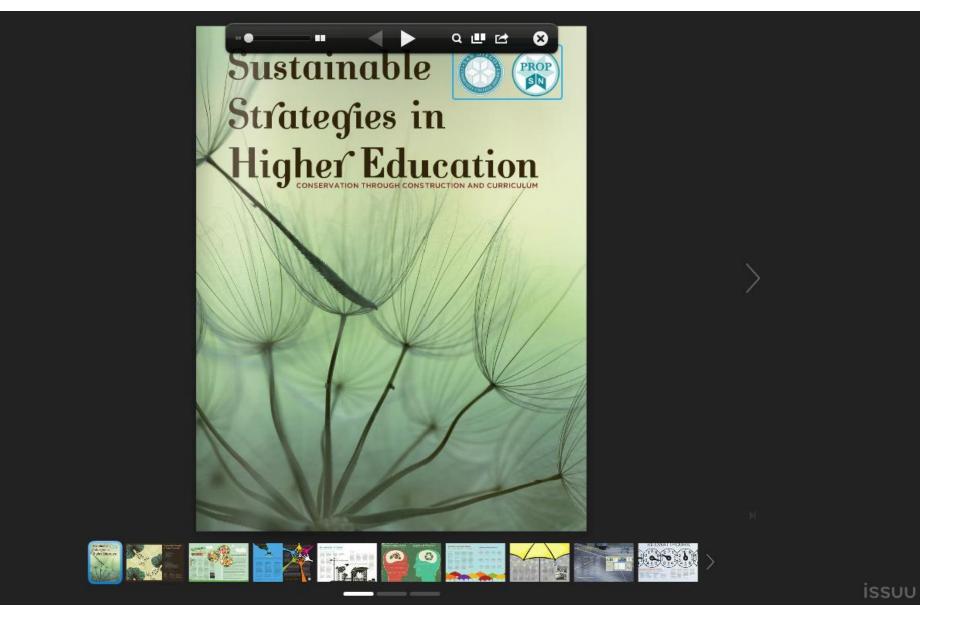
- Green Building Achieves GHG Emission Reductions from Multiple Sectors
  - Transportation, Energy, Waste, and Water Sectors
- Offers Increased Public Health Benefits
  - Due to Improved Indoor Air Quality
- Scoping Plan Goals to Reduce GHG Emissions
  - New Construction
    - Green Building Standards Code
    - Beyond Code: Local Government Goals to Exceed Standards
  - Existing Building Retrofits
- Represents 15% of the AB 32 2020 Target

## Sustainability Plan Outline

- Reduce, Reuse, Recycle
- Smart Metering
- Increased Energy Efficiency
- Reduced Water Usage
- Reduced Storm Water Impacts
- Production of Renewable Energy (Solar)
- Greenhouse Gas Reduction

### Moorpark College Your Opportunity for Input





http://issuu.com/sdccd/docs/sustainabilityreport?e=6723145/3387280