

# Green Careers

June 13 - 17, 2011

## Technical Education Summer Workshop



Sponsored by  
Chevron Energy Solutions  
Santa Clara County Construction Careers Association (S4CA)

# OBJECTIVES & ACTIVITIES

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- ★ **See the California ISO in action**
- ★ **Visit an energy company & and a green community**
- ★ **Learn about emerging careers in renewable energy**
- ★ **Network with industry professionals and other instructors**
- ★ **Design classroom lessons that connect student coursework with careers**
- ★ **Leave with new ideas and concepts for introducing students to green careers**

## **17 Teachers**

- **Santa Teresa High School**
- **Sheppard Middle School**
- **Homestead High School**
- **Fremont High School**
- **Painter Elementary School**
- **Monta Vista High School**
- **Piedmont Hills High School**
- **Santa Clara High School**
- **Yerba Buena High School**

# California ISO

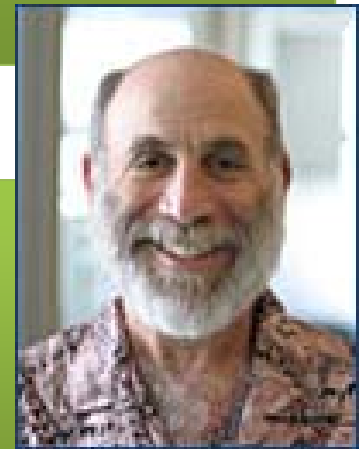


Managing the grid  
and operating the market 24/7  
to deliver the energy needed for  
the world's 8th largest economy

# Chevron Energy Solutions

- **Defining renewable energy & energy efficiency**
- **Policies and economics of energy**
- **Emerging careers – technical & professional**

**Job Shadow**



# First Community Housing



- **Populations**
- **Architectural Design & Sustainability**
- **“Green Materials & construction**
- **Benefits to community**

# **Steinberg Architects**

- **Architectural design**
- **New approaches to design**

# Electrical Joint Apprenticeship Training Center

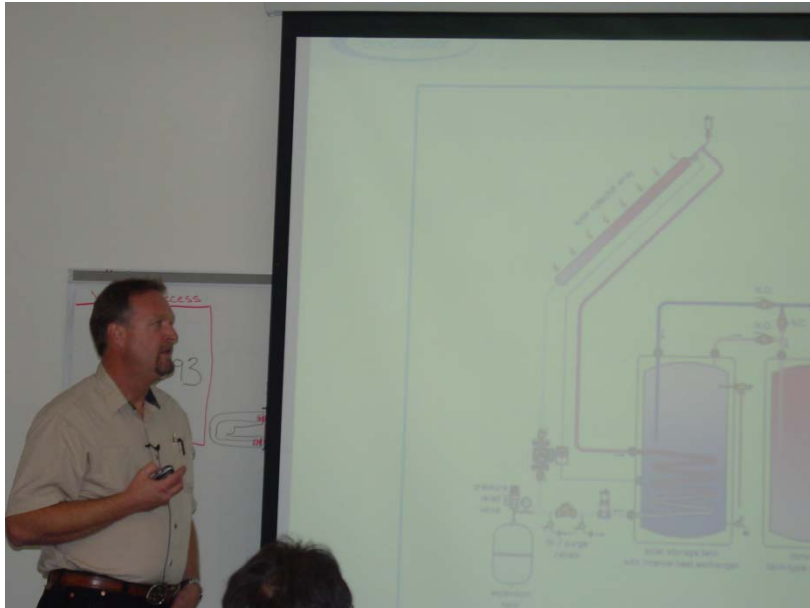


- **Overview of PV**
- **Advanced Lighting Controls**
- **Energy Auditing**
- **Careers**





# Pipe Trades Training Center



- **Overview of solar hot water**
- **Water conservation**
- **Overview of HVAC**



# PROJECTS

- ✓ **Building Sustainable Communities**
- ✓ **Green Technology for Students**
- ✓ **Career Research Project**
- ✓ **Green Energy Data Analysis (math)**
- ✓ **Green Floor Plan – lesson plan  
(CADD)**

# Evaluation Survey

- **provide better information before the workshop**
- **more hands on**
- **slow down pace of workshop**
- **more job shadowing**
- **this was great!**
- **more site visits**
- **wireless access for work time**
- **take away “hands-on” activity**
- **more time to collaborate**
- **donated materials for labs & projects**
- **A-ok**
- **visit solar panel manufacturing company**
- **more information on carbon capture, energy storage systems, photovoltaics**