Regional Overview

July 22, 2010

CleanTECH San Diego

Background

CleanTECH San Diego was created in 2007 to:

- **Support Job Creation.** Advance and diversify the San Diego region's economic development goals

- **Build a Common Agenda.** Bring together the region's diverse clean tech Stakeholders around a common agenda

- **Prepare for the New Economy.** Help San Diego prepare for and benefit from California's proactive regulatory policies

- **Mission:** Accelerate the San Diego region as a world leader in the clean technology economy

The San Diego Clean Tech Economy

Top 10 | Cleantech Cluster Organizations for 2010!

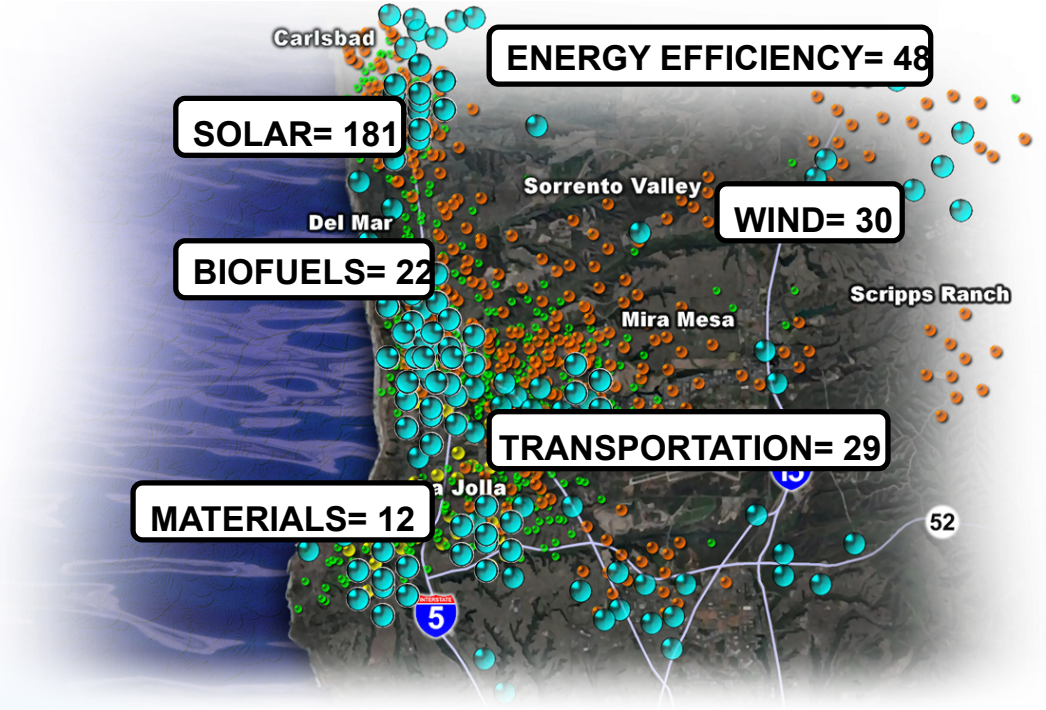
718 Clean Tech Companies and Counting

- Robust, upward trending new company growth

- Strong focus on innovation with over 50 world-class research institutions providing R&D venues and demonstration sites

- Active partnership culture with multiple market connectivity organizations

- Recent iHub designation from Governor's office for solar energy and storage



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Clean Renewable Energy Bonds (CREBs)

San Diego Scores Big Win with Clean Renewable Energy Bonds

- San Diego Region Secures $154 MM in CREBs
- Allocation is 19% of Total Moneys Available
- Financing Opportunities will Support New Jobs and 20 Megawatts of New Solar Power Projects. Winners Include:

City of Chula Vista	$29,648,926
City of Lemon Grove	$1,004,494
Fallbrook Public Utility District	$292,091
San Diego State University	$2,442,005
San Diego Unified School District	$74,290,010
San Dieguito Union High School District	$8,269,000
City of Santee	$3,081,420
Santee School District	$20,660,000
University of California, San Diego	$14,961,540
Total for San Diego Region	**$154,649,486**

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Solar Manufacturing

Key Market and Policy Considerations

- Need for strong and growing market to recoup manufacturing investment and grow business
- Desire to reduce costs and improve product quality
- Policy and market support for diverse products such as FiT and CREBs to ensure broad and competitive market that is available and affordable to all segments

Siliken Renewable Energy

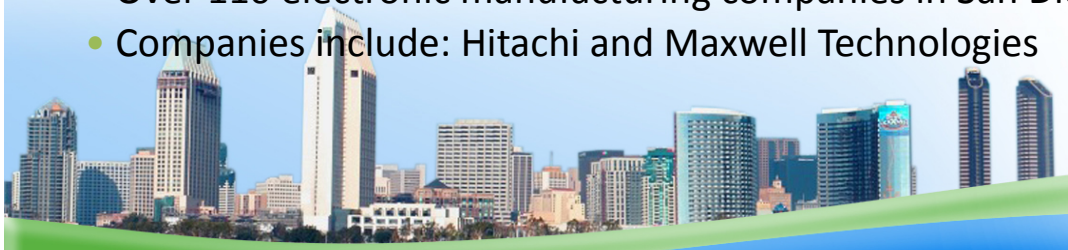
- Produce modules and integration modules
- Annual production capacity of **30 MW** with a workforce of 100

Kyocera Solar

- Newly expanded manufacturing facility will create **75 new jobs** with a projected annual production of **30 MW**

Large Contingent of High Tech Manufacturing

- Over 110 electronic manufacturing companies in San Diego
- Companies include: Hitachi and Maxwell Technologies



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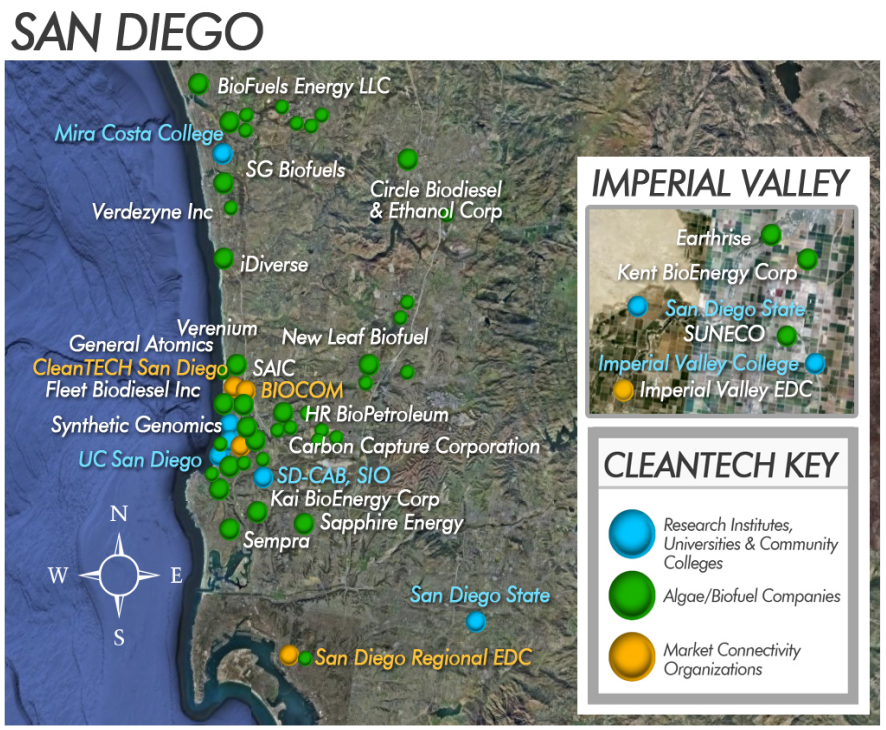
San Diego at its Best: Biofuels

- **Over 30 biofuels companies call San Diego home**
  - Strong research assets
  - Important Imperial Valley link
- **Already an economic contributor**
  - SANDAG study shows 410 direct jobs
  - $108 million in total economic activity
- **Growing manufacturing/commercial needs**
- **Skilled workforce is a key barrier**
- **Edge Initiative:**
  - Funded by a GoEd Challenge Grant
  - Collaborative between BIOCOM, CleanTECH, EDC, SD-CAB and Workforce Partnership
  - Total projected employees trained via EDGE through 2016: >1200



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