Cody Becker
Director of Programs
Cleantech San Diego
www.cleantechsandiego.org

MISSION
To accelerate clean technology innovation and adoption of sustainable business practices for the benefit of the economy and the environment.

What do we do?
Position the greater San Diego region, including Imperial County and Baja California, as a global leader in the cleantech economy.

How do we do it?
Foster collaborations across the private-public-academic landscape, leading advocacy efforts to promote cleantech priorities, and encouraging investment in the San Diego region.

Who’s with us?
More than 100 local businesses, universities, governments, and nonprofits committed to advancing sustainable solutions for the benefit of the economy and the environment.
Private Sector Members

Sapphire Energy
Intel
RENOVATE AMERICA
OSIsoft
CAR2GO
Qualcomm
Black & Veatch
Iberdrola Renewables

Bank of America Merrill Lynch
Dell
GE
Procopio
Greencharge Networks
Cisco
Measurabl
Latham & Watkins LLP

Envision Solar
The Gildred Companies
Public Sector Members

- SDGE
- Unified Port of San Diego
- UC San Diego
- City of Santee, California
- The City of San Diego
- San Diego State University
- County of San Diego
- University of San Diego
- City of Chula Vista
- San Diego International Airport
INITIATIVES
Advocacy

- Shape state, local and federal policies
- Advance member priorities
- Host policymaker visits
Leadership Series

Chell Roberts
Dean, Shiley-Marcos School of Engineering, University of San Diego

Senator Ben Hueso
Representative for the 40th Senate District

Deb Frodl
Global Executive Director, GE ecomagination

Jeff Martin
CEO, SDG&E

Margaret Leinen
Director, Scripps Institution of Oceanography at UC San Diego

Dennis McGinn
Assistant Secretary of the Navy, Energy, Installations & Environment

Stephen Berberich
President and Chief Executive Officer, California ISO

Robert B. Weisenmiller
Chair, California Energy Commission
Events

Education Series

Tours

Screenings

Meet and Greets
Engaging San Diego’s 45 school districts to:

• Gain maximum benefit from Prop 39
• Share best practices
• Help expedite application process
• San Diego is leading the state with:
  • $51.8 M granted to San Diego schools
  • 14.8 million kWh of annual energy savings
  • 185 job-years created
• Quarterly business pitches from local cleantech startup companies
• Title sponsor: Moxie Foundation
• Public - Private - Academic collaboration
• Develop and implement sustainability initiatives
• Drive economic growth
• Address San Diego’s 21st Century energy needs
• Solar-to-EV at San Diego Zoo – First of its kind
• HG Fenton Eco-Luxury Apartments – Nation’s first multifamily complex with “net zero” living
San Diego’s Cleantech Economy

- 850+ cleantech companies
- San Diego ranked among the top ten cities in the world aiming for 100% clean energy
- Cleantech among top 10 industries most likely to grow San Diego’s economy
- Clean energy named a top five field prime for job growth in San Diego
- *Forbes* ranks San Diego the nation’s #1 best place to launch a startup
San Diego’s goal to establish a thriving cleantech ecosystem took us from #11 in 2012 to the top tier of metros in recent years.
San Diego a top 10 metro in three of four Index categories:
- #4 in Clean Electricity and Carbon Management
- #5 in Advanced Transportation
- #6 in Cleantech Investment, Innovation & Workforce
- #14 in Green Building

San Diego Region has the 3rd highest number of clean economy jobs in the state (Appx. 25,000 as of Jan. 2014)
Mostly in:
- Energy Generation (7,200)
- Air & Environment (5,400)

California is #1 in solar jobs
- 54,690 solar workers
- Up 16% from 2013
- 11,570 solar workers in SoCal
• San Diego is #2 in the nation in solar installations
• 11,570 solar workers in SoCal
• California leads the nation:
  • #1 in solar jobs
  • 54,690 solar workers
  • Up 16% from last year
Alternative Transportation

- 16,795+ EVs
- 859 public charging stations at 321 locations
- 44 DC fast chargers
- 400 cars in car2go’s all-electric car share fleet
- 7 hydrogen fuel cell vehicles
Nearly 6,000 EVs
EV sales up 130% over last year
600 public charging stations (up 60%)
Savings = 10,000 metric tons of greenhouse gas

Intelligent Street Lights

- 75,000 San Diego regional streetlight retrofits completed by end of 2015
- Downtown LED post-top streetlights among the nation’s first remotely monitored and wirelessly controlled
- $4 million in annual energy savings
- Eliminates 12,700 metric tons of carbon emissions annually
Internet of Things: Smart Buildings

- Port of San Diego: Smart building pilot site
- Sensors detect energy consumption
- Real-time data for building operators
- Early findings resulting in energy and cost savings of $5,000 annually
• Largest waterfront development opportunity on the West Coast
• Leverage energy- and cost-saving technologies for maximum energy-efficiency and sustainability outcomes
• Make Chula Vista a model smart city
• One of the first major U.S. airports to implement a sustainability policy
• $1 billion Green Build completed in 2013
• World’s first LEED Platinum commercial terminal
World-Renowned Microgrid

- Generates 92% of campus electricity
- $8 Million+ in annual savings
- One of the world’s most advanced microgrids
San Diego has the largest concentration of military in the world
Aggressively committed to advancing its renewable energy portfolio
Navy buying biofuel for warships and jets
Camp Pendleton’s advanced microgrid
Goal of energy and water security
National Geographic Smart Cities

• 50-minute documentary
• Airing globally on National Geographic Channel
• San Diego is the only U.S. city chosen to be profiled
• Cleantech featured prominently