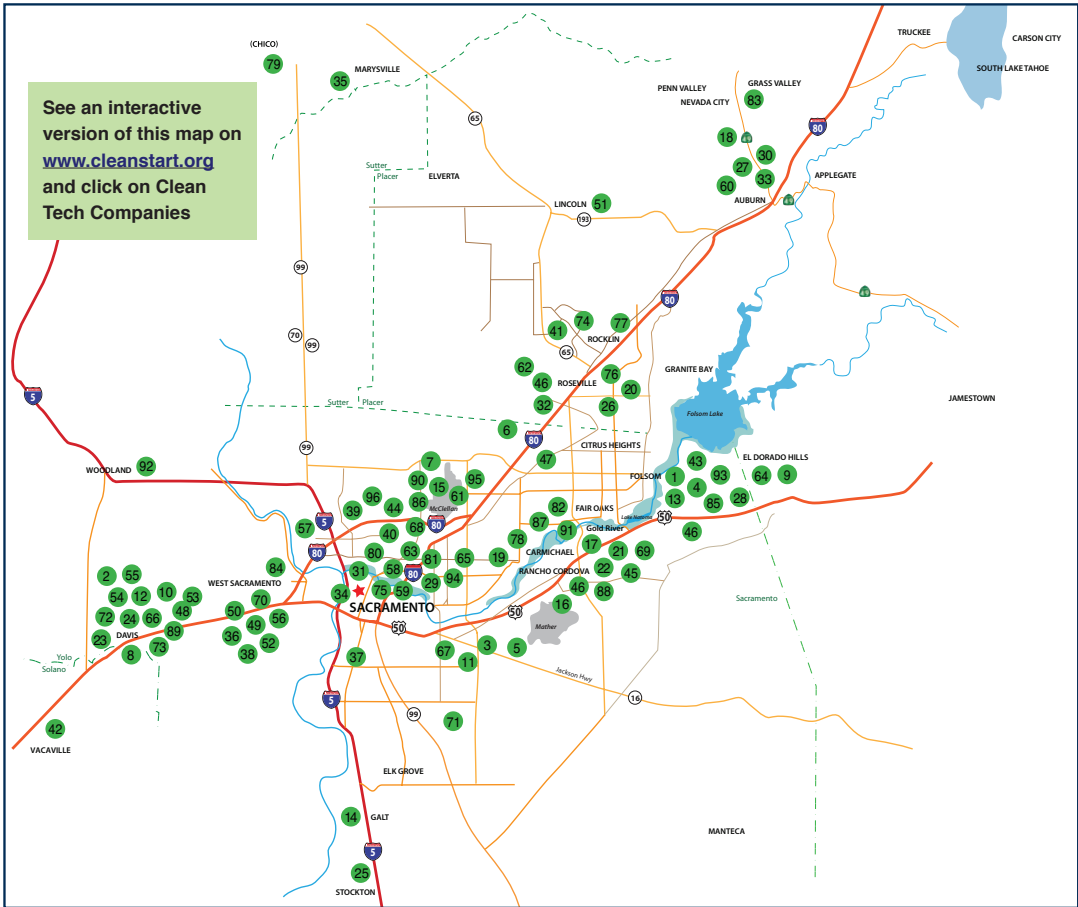


Sacramento's CleanTech Companies 2012



- | | | |
|------------------------------------|---|-------------------------------------|
| 1 8minutenergy Renewables LLC | 34 Greenleaf Power, LLC | 67 REC Solar |
| 2 Advanced Energy Products | 35 GreenTraks | 68 REO Mechanical |
| 3 Airco Mechanical | 36 GridSense Inc. | 69 RCS Technology |
| 4 Altergy Systems | 37 Henwood Associates, Inc. | 70 RIOS Solar Energy, Inc. |
| 5 Atlantis Energy Systems, Inc. | 38 Hydrovolt Energy Systems | 71 Siemens Mobility |
| 6 Battery M.D., Inc. | 39 Ice Energy | 72 Sierra Energy |
| 7 Beutler Corporation | 40 Innertech | 73 SiGNa Chemistry |
| 8 Biosciences | 41 Inspired Solar Technologies | 74 SMA America |
| 9 Bloo Solar | 42 Integrated Comfort | 75 Solar Depot, Inc. |
| 10 Blue Oak Energy | 43 Jadoo Power | 76 Solar Power, Inc. |
| 11 California Sunlight | 44 Jerico Energy | 77 Solarecity Electric |
| 12 Calynanomoly | 45 JMJ Natural Lighting | 78 SolarRoofs.com, Inc. |
| 13 Carbon Sequestration, LLC | 46 Johnson Controls Inc. | 79 Springboard Biodiesel, LLC |
| 14 Cardinal Glass | 47 Living Well Eco-Friendly Soft Water | 80 Sunoptics Skylights |
| 15 Cha Corporation | 48 Marrone Bio Innovations | 81 SunTechnics Energy Systems |
| 16 Clean Energy Systems, Inc. | 49 Meca Solar | 82 SunTrove |
| 17 Clean World Partners | 50 Micromidas | 83 Sustainable Energy Group |
| 18 Clipper Creek | 51 Mobius Technologies, Inc | 84 SVV Technology Innovations, Inc. |
| 19 Conversion Processes | 52 Mounting Systems - US | 85 SynapSense Corp. |
| 20 Corporate Design Group | 53 Novozymes, Inc. | 86 Synterra Energy |
| 21 Cybo Energy | 54 Octus Energy | 87 System 3, Inc. |
| 22 D3 LED | 55 Onsite Power Systems, Inc. (OPS) | 88 T3 |
| 23 Davis Energy Group | 56 OPDE Group | 89 Talbott Solar & Radiant Homes |
| 24 Draker Laboratories | 57 Opticlanes | 90 Technikon, Inc. |
| 25 Electric Vehicles International | 58 Organic Energy Corporation | 91 TNT Lighting and Solar |
| 26 Energy Exemplar | 59 Pacific Ethanol, Inc. | 92 Woodland Biomass |
| 27 Envirocycle USA | 60 Pacific Power Management, LLC | 93 Worley Parsons |
| 28 eZESystems | 61 Pacific Renewable Fuels, Inc. | 94 Youil Solar |
| 29 Frontier Wind | 62 Paramount Energy Solutions | 95 ZETA Communities |
| 30 Glide Cruisers | 63 Peak Demand Automation | 96 American River Packaging |
| 31 Global Solar Energy | 64 Premier Power Renewable Energy, Inc. | |
| 32 Granite Bay Energy Group, Inc. | 65 PureAire Technologies | |
| 33 Green Planet Solutions | 66 Putah Green Systems | |

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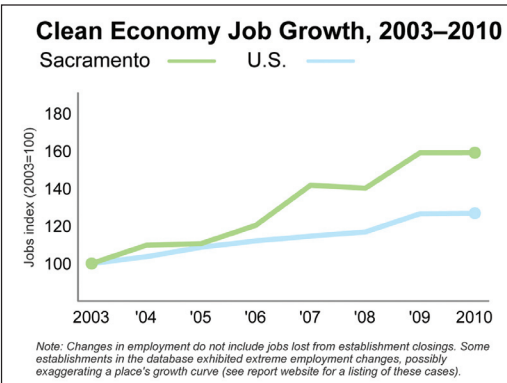
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sarta CleanStart PROGRESS REPORT 2012

SACRAMENTO RANKS WELL IN NATIONWIDE STUDY

The region ranked very well in the first ever county-by-county nationwide assessment of the green economy, published by the Brookings Institution, and clearly reflecting the success of the region-wide effort to grow our clean regional economy. Together with the Battelle Memorial Institute, Brookings' *Sizing the Clean Economy; A Green Jobs Assessment* concluded that the growth in the clean economy in the Sacramento region was significantly outpacing the growth in the same sector in the U.S. overall. This is great news, especially in the context of the general loss of jobs in the region's economy. Clean tech is an ongoing bright spot.



In the study, among the 100 largest metropolitan regions, Sacramento also ranked:

- 12th in the total number of jobs at 37,319, representing 4.5% of all jobs in the region
- 3rd on the concentration of green jobs relative to the rest of the economy
- 7th best in terms of green job growth, adding 13,857 jobs between 2003 and 2010.

For this study, Brookings took a very broad view of the jobs considered "clean". Other studies with a more restrictive definition - particularly from Next10 - have shown the number of clean tech jobs in the region as over 14,000, but likewise also concluded this region is among the fastest growing in the state.

To access the Brookings' and Next 10 reports directly, visit: brookings.edu and next10.org.

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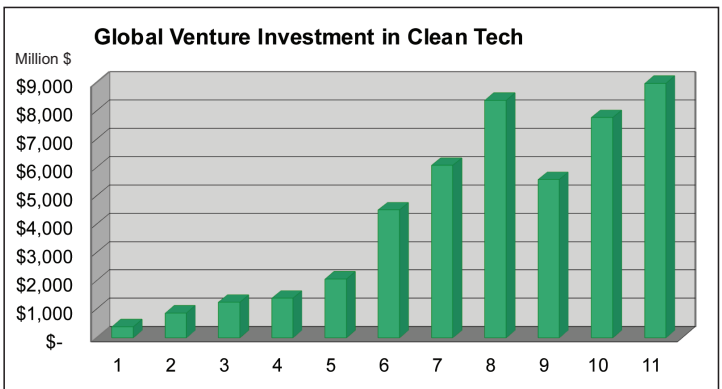


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RECORD INVESTMENT IN CLEAN TECH

Total investment in clean tech worldwide in the past year exceeded \$160 billion, a new record. Venture investment alone was \$8.67 billion in the past twelve months, also a new all-time high. While there is much talk of a decline in clean tech investing, the last 12 months show just the opposite, demonstrating that Solyndra, one very visible, half-billion-dollar failure in clean tech, while significant, does not constitute a trend.



REGIONAL CLEAN TECH REVENUES TOP \$1.5 BILLION

Based on our latest information, the region's clean tech companies brought in more than \$1.5 billion in revenues in the past year, along with more than 2,000 jobs. Revenue has more than doubled since our last detailed review three years ago when it stood at \$650 million. The region did see a net loss of 10 companies since last year, down from 106 to 96, as the economic downturn persisted. In this context, the revenue performance of the sector is even more impressive. In addition, many of the remaining companies report that they are now hiring as their business improves.

Sacramento CleanTech Showcase



Chevy Volt Electric Car



Conference visitors test drive a Mitsubishi "i" Car



Nissan Leaf Electric Car

The Fifth Annual Clean Tech Showcase was electric.....with cars that is. The event theme was "Green Innovation: Engine of Growth". Over 700 people came for a full day of educational speakers and sessions, seeing and touching technology in the exhibit hall as well as excellent networking during the end of the day mixer. The Exhibit Hall was packed and included the inaugural Smart Grid Showcase which was "a success beyond our expectation", said JD Stack of the California Smart Grid Center.

The Showcase hailed regional companies getting good traction in the marketplace including: Buetler Corporation, Sunoptics, Greenlight Solid State and Blue Oak Energy. In addition, the Showcase's Fresh Faces highlighted emerging new companies such as: Draker Labs, Glide Cruisers, Putah Green Systems, Smart Grid Billing, Sunverge Energy and Eco Catalytics.

Entrepreneur and investor, Neil Dikeman of Jane Capital, gave perspective on some of the smartest green companies and where the next innovations may come from. Brian Keane, President of SmartPower, provided insights on how other communities are organizing to become more green. And our own California Energy Commissioner, Carla Peterman, provided government policy perspective during an armchair discussion. Commissioner Catherine Sandoval of the CPUC also shared important insights about the actions of her agency on smart grid and clean energy.

"The CleanTech Showcase is a must attend event for anyone involved or interested in Sacramento's green economy who wants to expand their business with new customers, contacts or education." Clare Price, New Business Strategists.

Save the date for the 6th annual Clean Tech Showcase, October 22, 2012, to be held at Sacramento State.



Sacramento State Smart Grid Center Exhibit



Showcase Exhibit Floor



Bill Reaugh, Draker Labs



Chris Wiggins, Glide Cruiser



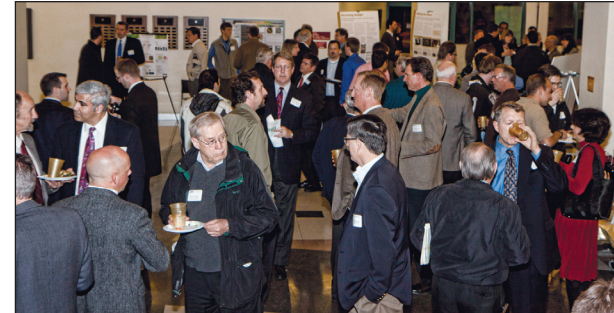
Keynote Speaker Carla Peterman, CEC, interviewed by Tom Kandris, American River Packaging



Keynote Speaker Neil Dikeman of Jane Capital with Gary Stalick, Gold River News



POWERSURGE: INNOVATION IN CLEAN TECH



PowerSurge in full swing

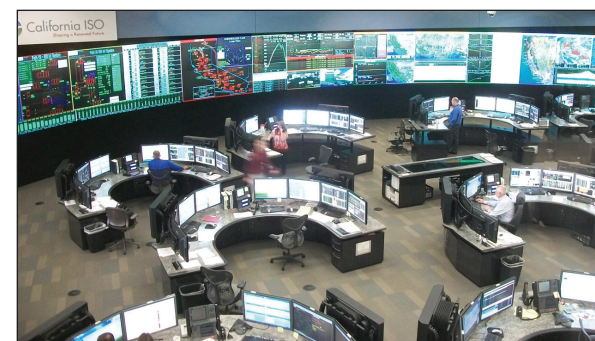
Over 200 attended PowerSurge: Innovation in Clean Tech on February 17, 2011 at Kemper Hall, UC Davis. UC Davis' Dean of the College of Engineering, Enrique Lavernia, welcomed the crowd and shared his excitement about all the innovation being developed locally and globally. We learned about some of the specific cutting-edge research programs underway in our region and interacted with a range of inventors and research scientists from UC Davis, Sacramento State, and University of the Pacific.



Mayor Joe Krovoza, Meg Arnold, Dean Enrique Lavernia, Gary Simon

EXECUTIVE ROUNDTABLES LAUNCHED

The Roundtables kicked off at SMUD in January, featuring Siemens Mobility's Becky Johnson, who provided insight to Siemens Mobility's operations and future plans. In May, Morrison Foerster hosted the group and in September we got a behind the scenes look at Cal ISO in Folsom, including its statewide control room, which includes the ability to track lightning strikes in real-time, as we saw happening that day in southern California....amazing.



MOMENTUM GROWING IN OUR SOLAR CLUSTER

In recent years, a growing number of solar companies have located their regional or U.S. headquarters in this area, thanks to the good work of SACTO, where clean tech companies represent about half of all the companies targeted for this region. The solar sector now includes nine companies that relocated to our region, with several more that have been homegrown. These companies now represent a significant number of employees and revenue in the overall clean tech cluster.

CITY OF SACRAMENTO PIONEERS COMMERCIAL BUILDING ENERGY EFFICIENCY RETROFIT PROGRAM

Sacramento is one of two pioneer cities to offer financing for efficiency retrofits, solar installations and other upgrades in commercial buildings. The Ygrene Energy Fund in Sacramento is putting up \$150 million of its \$650 million nationwide energy loan fund to focus here. Local company Octus Energy will be assisting in the contracting for specific upgrade projects using these funds. Loans will be repaid out of energy savings and payments will appear on the local property tax bill.

FIRST PHASE OF WEST VILLAGE OPENED



UC Davis' new West Village development is the largest zero-net-energy planned community in the country. The first of three phases of this breakthrough community opened in October as students moved in. The objective of this innovative development

was to cut the energy consumption of the mixed use community by more than half and to provide that energy with as much from on-site clean sources as possible, while keeping the costs affordable. It has drawn national attention as the largest scale project of its kind due both to its scale as well as to its successful, public-private partnership model.

SACRAMENTO SELECTED AS ONE OF 5 CITIES FOR US BETTER BUILDINGS INITIATIVE

Sacramento was chosen as one of the first five cities to benefit from President Obama's announced "Better Building Initiative", a plan to increase energy efficiency in commercial buildings by 20 percent and reduce building owners' annual energy bills by \$40 billion by 2020. Federal agencies are committing \$2 billion nationwide over the next two years and other sources have agreed to match that amount to upgrade 300 manufacturing plants and 1.6 billion square feet of commercial and industrial property. This federal program will amplify the Ygrene program already approved by the City and create even more local jobs.



Innovator Award: (left to right)
Meg Arnold, Raju Pandey, Renée Taylor, Al Rich

INNOVATORS OF THE YEAR

In 2011, SARTA launched an awards program for innovation in clean tech, to celebrate those individuals whose ingenuity has led to significant market opportunity. The inaugural award recipient was Dr. Raju Pandey, Associate Professor of Computer Science at UC Davis and co-founder of Folsom-based Synapsense. Dr. Pandey's software and wireless sensor network innovations have helped data centers gain significant improvements in energy efficiency, together with marked decreases in energy costs for cooling. In addition, the judges bestowed the Clean Tech Distinguished Achievement Award to Al Rich, founder of Solar Roofs and the inventor of a simple, lightweight and efficient solar water heating system. Mr. Rich's system has been in commercial use for 20 years and has been installed on thousands of facilities, both in the U. S. and abroad.

Photos courtesy of Riverview Media Photography

MARK YOUR 2012 CALENDAR!

April 4
April 26 & 27
October 22

PowerSurge at McClellan Business Park
Green California Summit at the Convention Center
Sacramento Clean Tech Showcase at Sacramento State