



Business is Thriving in California

California's pioneering clean energy and climate law (AB 32) is advancing a strong economy and healthy environment – proof that a thriving, low-carbon economy is good for California. AB 32 encompasses the state's collective efforts to reduce carbon pollution and transition to a clean, efficient economy. After nearly a decade in effect, it's a powerful engine of innovation, creating a vibrant clean economy, growing efficiency savings for business, and leveling the playing field for renewable energy to compete fairly with polluting sources of energy.

"AB 32 is helping cement CA's leadership position in the clean energy and transportation sectors."

Eileen Tutt, California Electric Transportation Coalition

AB 32 is helping make California's economy more productive

- California's GDP has increased at a much faster rate than its energy use over the past 20 years and our **energy productivity has increased 36% since 1990**.ⁱ We currently produce **1.7 times as much economic activity** as the rest of the U.S. from the same amount of energy.ⁱⁱ
- California's economy is the **world's seventh largest** and continues to grow – expanding in 2014 by almost every measure.ⁱⁱⁱ
- California surpassed Texas in job growth in 2014, adding **498,000 jobs** between January 2014 and January 2015, **creating more positions than any other state in the nation**.^{iv}
- A **ambitious 2030 greenhouse gas reduction target** will create an additional **1 million jobs and a 6% increase in the gross state product**, to more than \$300 billion by 2050.^v

Bloomberg declared California the **#1 state to do business** in March 2015, with companies in the S&P 500 outperforming the rest of the nation, delivering returns **52% higher** than the nearest competitor. Why does California do so well? Bloomberg concludes it's because **places that prepare for big 21st-century challenges, such as climate change, are likely to be the most successful.**

Leading the nation, leading the world

- California has the **largest advanced energy industry in the United States** – and it just keeps growing^{vi}, set to reach **500,000 workers across 40,000 companies** in 2015.^{vii}
 - **Employment in the solar industry has increased 86% since 2010**, and California continues to dominate this market with nearly 65,000 workers this year.^{viii}
 - Contrary to fears that AB 32 would stifle manufacturing – **California leads the nation with the highest total manufacturing output of any state**^{ix}, producing \$239 billion.^x
 - Prior to 2010, before AB 32 began having positive economic impacts, the manufacturing sector was in a state of decline for a decade.^{xi}
 - The U.S. has a **15% share of the trillion-dollar global clean energy market**^{xii} and California is the epicenter of the U.S. clean-tech market.
 - California **dominates every clean-tech index category**, including clean electricity generation, electric/hybrid vehicle adoption, green buildings, policy outlook, solar power capacity, and venture capital.^{xiii}
 - Analysts forecast a **70% gain for Calif. clean-tech companies** in the next 12 months.^{xiv}
 - California's commitment to clean technology is resulting in more jobs, with a **median rate of employee growth in clean-tech jobs of 7.5%** in the past two years, **compared with 2.3%** for similar U.S. companies.^{xv}
 - **\$27 billion of venture capital** and other financing has flowed into California clean tech companies since 2006 – in part because policies like AB 32 drive demand for renewable energy and energy efficiency, shifting the emphasis of corporate investors.^{xvi}

"CA's pioneering policies have added up to opportunity – opportunity that didn't happen by accident."

Mike Mielke, Silicon Valley Leadership Group

California clean-tech companies account for the **most venture capital of any state**, with **\$1.6 billion** flowing into the sector in 2013 alone.

Energy efficiency brings savings to small business

- AB 32 has resulted in energy efficiency measures that save California consumers and businesses billions on utility bills.
- Small businesses especially benefit from energy efficiency policies with rebates, incentives and other programs that allow them to lower their energy costs significantly.^{xvii}
- California state economists suggest small service businesses – half of all small businesses in the state – will see **\$4.6 billion in increased revenues from efficiency**. That's an extra **\$1,115 per employee** for California small service businesses.^{xviii}

The economic advantage of carbon markets

- Business knows best how to adapt and be competitive, so AB 32's cap and trade program is the **perfect free market tool** to let businesses do what they do best, reducing carbon emissions at the least cost.
- By putting a price on carbon, AB 32 prices inefficiency and waste. As a result, California businesses are more efficient and innovative.
- A carbon market helps drive economic activity including hundreds of millions of dollars in private investment in California.
- The next industrial revolution – fueled by thoughtful investments from a cap and trade program – can help transform our energy system to one that's efficient, innovative, affordable, and diverse.

Climate Investments for CA

- 2014-15 = \$832 million
- 2015-16 = \$1.7 billion+
- Min. 25% to disadvantaged communities

California is rich in intellectual resources, which are already transforming the way clean energy products are manufactured and produced. We can lead the world on clean economic development, growing our economy while creating opportunities for the next generation.

California Delivers is supported by the following business associations and companies:

Business Associations & Companies

ABJ Water

A & A Auto Wrecking

Acerus Consultants, Inc.

Advanced Energy Economy

Agredano-Lozano and Associates

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American Sustainable Business Council

Argelia's Beauty Salon

Ben & Jerry's

Bowman Change, Inc.

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CA Business Alliance for a Clean Economy

California Electric Transportation Coalition

California Natural Gas Vehicle Coalition

CALSTART

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Hartman Energy Strategies

Hecho en Mexico Restaurant

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La Favorita Tortilleria

La 1st Street Taqueria

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La Imperial Tortilleria

Latin Business Association

Law Offices of Sarah V. Day

Law Offices of Antonio Gallo & Assoc.

Lena's Store

Le Sage Consulting

Light & Motion Industries

Los Angeles Business Council

Los Angeles Cleantech Incubator (LACI)

Lovemadly Clothing

Lucsol Discount Store

Lynwood Chamber of Commerce

Lyft

Maurice Robinson & Associates

The Meeting Guy

Moller Property Management

Montenegro Electrical Services

Moving Forward Coaching & Consulting

National Society for Legal Technology

Nettleton Strategies

Pacific Ethanol

Palo Alto Chamber of Commerce

Pez Cantina

Pico Rivera Chamber of Commerce

Rent A Green Box

Rincon-Vitova Insectaries, Inc.

River's End Restaurant & Inn

Rose Massage

Rustic Meatballs

San Francisco Chamber of Commerce

Sidel Systems USA Inc.
Sierra Business Council
Silicon Valley Leadership Group
Small Business California
Smart Grid Library
Super Cool Air Conditioning
Sustainable Napa County
Sustainable North Bay
Swann Communications
Technical College Online
Teresita's Restaurant
U.S. Green Building Council California
VCA Realty and Property Services
Verdin Consulting
Waste Management

Renewable Energy/Clean Tech

Alton Energy
Biodico Sustainable Refineries
California Wind Energy Association
CALSEIA
Center for Energy Efficiency & Renewable Technologies (CEERT)
Center for Sustainable Energy
Central Coast Energy Services, Inc.
ChargePoint
Clean Fuel Connection
Clean Power Campaign
Community Fuels
Continuum Industries
Edison Unlimited Clean Energy, Inc.
Efficiency.org
GRID Alternatives
Identity3, Solar Marketing

Leadership for a Clean Economy
Luminalt
Next Energy Technologies, Inc.
NRG Home Solar
Promise Energy
Propel Fuels
Renewable Energy Group, Inc.
Renewable Funding
Run on Sun
SeaWave Battery, Inc.
SK Solar
SolarCity
StoutPower Consulting, LLC
Sungevity
Vote Solar
Western Grid Group
Zero Net Energy, Inc

ⁱ California Green Innovation Index, 6th Edition," Next 10, May 2014 <http://next10.org/2014-california-green-innovation-index>

ⁱⁱ Ibid.

ⁱⁱⁱ Brown's California Overtakes Brazil with Companies Leading the World." Bloomberg Business. Jan, 2015. <http://bloom.bg/1uBcxqT>

^{iv} "California created half million jobs last year – most in U.S.," Chris Jennewein, Times of San Diego, March 17, 2015.

<http://timesofsandiego.com/business/2015/03/17/california-created-half-million-jobs-last-year-most-in-u-s/>

^v California Climate Policy to 2050: Pathways for Sustained Prosperity, David Roland-Holst, Next 10, May 2015.

<http://next10.org/emissionpathways>

^{vi} AEE Institute, <https://www.aee.net/articles/california-has-largest-advanced-energy-industry-in-u-s-with-over-430-000-workers-according-to-first-ever-state-employment-survey>

^{vii} <http://www.prnewswire.com/news-releases/california-has-largest-advanced-energy-industry-in-us-with-over-430000-workers-according-to-first-ever-state-employment-survey-300004990.html>

^{viii} May Policy Brief, DBL Investors, http://www.dblinvestors.com/wp-content/uploads/2015/05/DBLPolicyBrief_May2015.pdf

^{ix} 2014 State Manufacturing Data Table, National Association of Manufacturers. <http://www.nam.org/Data-and-Reports/State-Manufacturing-Data/2014-State-Manufacturing-Data/2014-State-Manufacturing-Data-Table/>

^x "Best State for Business? Yes, California". Matthew A. Winkler, Bloomberg View. 12 March, 2015.

<http://www.bloombergvew.com/articles/2015-03-12/best-state-for-business-yes-california>

^{xi} "California Zooms Past Russia, Italy and Soon Brazil in Economic Might", Michael B. Marois and Shin Pei, Bloomberg, Jan 15, 2015.

<http://bloom.bg/1Cu7ywx>

^{xii} "U.S. has a 15% share of trillion-dollar global clean energy market, report finds." Umair Irfan, March 11, 2015. Energy and Environment Reporting.

<http://cleandge.com/sites/default/files/CTLI-2013-Report.pdf>

^{xiii} "Best State for Business? Yes, California". Matthew A. Winkler, Bloomberg View. March 12, 2015.

<http://www.bloombergvew.com/articles/2015-03-12/best-state-for-business-yes-california>

^{xv} Ibid.

^{xvi} California Green Innovation Index, 6th Edition," Next 10, May 2014

^{xvii} "The Economic Impact of AB 32 on Small Business: An Update," The Brattle Group, October 2010.

http://www.brattle.com/system/publications/pdfs/000/004/795/original/Executive_Summary_2010_Update_to_The_Economic_Impact_of_AB_32.pdf?1378772130

^{xviii} Economic Opportunity for Small Business Under AB 32 http://www.smallbusinessmajority.org/energy/index_CA_AB-32.php