

California Energy Commission

Zero-Emission Vehicle (ZEV) and ZEV-Related Manufacturers in California

As of February 2024

Company Name	Company Website	Description	ZEVs <sup>1</sup>	ZEV Components <sup>2</sup>	ZEV Infrastructure <sup>3</sup>	ZEV Batteries <sup>4</sup>	City	Zip	Year Incorporated
Altec Industries	<a href="https://www.altec.com/locations/dixon-operations/">https://www.altec.com/locations/dixon-operations/</a>	Design and manufacture class 6-8 commercial BEVs. Finally assembly plant in Dixon.	Yes	No	No	No	Dixon	95620	1929
Altergy Systems (acquired by Phoenix Motor)	<a href="https://www.altergy.com/">https://www.altergy.com/</a>	Design and manufacture hydrogen fuel cells and fuel cell power systems.	No	Yes	Yes	No	Folsom	95630	2001
American Lithium Energy Corporation	<a href="https://www.americanlithiumenergy.com/">https://www.americanlithiumenergy.com/</a>	Design and manufacture battery cells and battery packs for a variety of sectors, including transportation.	No	No	No	Yes	Carlsbad	92008	2009
Analog Devices Inc.	<a href="http://www.analog.com/">http://www.analog.com/</a>	A Massachusetts based company that designs and manufacturers semiconductors, battery management systems, Inverter & E-Motor System Solutions.	No	Yes	No	No	San Jose	95134	1995
Andromeda Power, LLC	<a href="http://www.andromedapower.com/">http://www.andromedapower.com/</a>	Design and manufacture EVSEs.	No	No	Yes	No	Long Beach	90815	2012
Applied Materials, Inc.	<a href="https://www.appliedmaterials.com">https://www.appliedmaterials.com</a>	Design and manufacturer of a variety of specialty materials and products. Have production of lithium anodes for electric vehicle batteries in California.	No	No	No	Yes	Santa Clara	95054	1967
<b>Archer Aviation Inc.</b>	<a href="https://www.archer.com/">https://www.archer.com/</a>	Design and manufacture vertically integrated all-electric small-passenger airplanes.	Yes	No	No	No	San Jose	95134	2018
<b>Atlas Copco Compressors LLC</b>	<a href="https://www.atlascopco.com/en-us">https://www.atlascopco.com/en-us</a>	Provider and manufacturer of H2 refueling station components. Are based in Sweden with manufacturing operations in Santa Maria, CA.	No	No	Yes	No	Santa Maria	93455	2007
BEAM Global	<a href="https://beamforall.com/">https://beamforall.com/</a>	Manufacture and install solar powered EVSE and storage.	No	No	Yes	No	San Diego	92121	2011
BTC Power, Inc. (acquired by innogy SE)	<a href="http://www.btcpower.com/">http://www.btcpower.com/</a>	Design and manufacture EVSEs.	No	No	Yes	No	Santa Ana	92705	1999
Calex Manufacturing Co., (subsidiary of Murata Power Solutions, Inc.)	<a href="https://calex.com/company/">https://calex.com/company/</a>	Design and manufacture DC-DC power converters and other vehicle components.	No	Yes	No	Yes	Concord	94520	1962
ChargePoint, Inc.	<a href="https://www.chargepoint.com/">https://www.chargepoint.com/</a>	Develop, manufacture, and install EVSEs.	No	No	Yes	No	Campbell	95008	2008

<sup>1</sup> Refers to manufacturing of zero-emission vehicles. A “Yes” indicates that the company has that type of manufacturing operations in California.

<sup>2</sup> Refers to manufacturing of the primary components, parts, and/or systems used in zero-emission vehicles. A “Yes” indicates that the company has that type of manufacturing operations in California.

<sup>3</sup> Refers to manufacturing of 1) the electric vehicle charger components, parts, and/or systems, and 2) hydrogen refueling station components, parts, and/or systems. A “Yes” indicates that the company has that type of manufacturing operations in California.

<sup>4</sup> Refers to manufacturing of battery and battery components primarily for the purpose of integrating into a zero-emission vehicle and related systems. A “Yes” indicates that the company has that type of manufacturing operations in California.

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Complete Coach Works Corp.	<a href="https://completecoach.com/">https://completecoach.com/</a>	Manufacturer and remanufacturer of battery electric transit buses.	Yes	Yes	No	No	Riverside	92507	2007
Cuberg (acquired by Northvolt)	<a href="https://cuberg.net/">https://cuberg.net/</a>	Design and manufactures battery cells and systems targeted at the transportation market.	No	Yes	No	Yes	San Leandro	94506	2015
DRÄXLMAIER Automotive of America LLC	<a href="https://us.draexlmaier.com/">https://us.draexlmaier.com/</a>	Manufacture and design complex wiring harness systems, central electrical and electronic parts for a variety of vehicles, including ZEVs. Are based in Vilsbiburg, Germany and have a manufacturing site in Livermore.	No	Yes	No	No	Livermore	94551	1958
Energica Motor Company, Inc. (owned by Ideanomics)	<a href="https://www.energicamotor.com/us/">https://www.energicamotor.com/us/</a>	Design and manufacture battery electric motorcycles. Final assembly in San Francisco for US customers. Are based in Modena, Italy.	Yes	No	No	No	San Francisco	94080	2014
Enevate	<a href="https://www.enevate.com/">https://www.enevate.com/</a>	Engineer and manufacture primarily silicon-based lithium batteries for use in BEVs.	No	No	No	Yes	Irvine	92617	2005
Enovix Corporation	<a href="https://www.enovix.com/">https://www.enovix.com/</a>	Design and manufacturer of lithium ion batteries for a variety of applications	No	No	No	Yes	Fremont	94538	2007
Evercharge	<a href="https://evercharge.com/aboutus">https://evercharge.com/aboutus</a>	Develop, manufacture, and install EV charging hardware and management systems.	No	No	Yes	Yes	Hayward	94545	2013
Faraday Future, Inc.	<a href="https://www.ff.com/">https://www.ff.com/</a>	Design and manufacture of ZEVs.	Yes	No	No	No	Hanford	93230	2014
FirstElement Fuel	<a href="https://www.firstelementfuel.com/">https://www.firstelementfuel.com/</a>	Provider and manufacturer of H2 refueling station modules and components.	No	No	Yes	No	Santa Ana	92705	2015
Freewire Technologies, Inc.	<a href="https://freewiretech.com/">https://freewiretech.com/</a>	Design and manufacture EVSEs.	No	No	Yes	No	San Leandro	94577	2014
GILLIG LLC	<a href="https://www.gillig.com/">https://www.gillig.com/</a>	Design and manufacture zero-emission electric buses.	Yes	No	No	No	Livermore	94551	2008
Gotion	<a href="https://www.gotion.com/">https://www.gotion.com/</a>	Global maker of batteries and power storage solutions.	No	No	No	Yes	Fremont	94538	2014
GreenPower Motor Company, Inc.	<a href="https://www.greenpowerbus.com/">https://www.greenpowerbus.com/</a>	Manufacture and assemble commercial BEVs.	Yes	No	No	No	Porterville	93257	2016
Intel Corporation	<a href="https://www.intel.com/content/www/us/en/transportation/overview.html">https://www.intel.com/content/www/us/en/transportation/overview.html</a>	Design and manufacturer of a variety of chips, including microcontrollers, power management chips, and image sensors. Are based out of New York state with manufacturing operations in Folsom, California.	No	Yes	No	Yes	Folsom	95630	1968
Joby Aviation	<a href="https://www.jobyaviation.com/">https://www.jobyaviation.com/</a>	Design and manufacture vertically integrated all-electric small-passenger airplanes.	Yes	No	No	No	Marina	93933	2009

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Karma Automotive LLC (Acquired by Wanxiang Group)	<a href="https://www.karmaautomotive.com/">https://www.karmaautomotive.com/</a>	Design and manufacture luxury electric vehicles.	Yes	No	No	No	Moreno Valley	92551	2014
KIGT, Inc.	<a href="https://www.kigtinc.com/">https://www.kigtinc.com/</a>	Manufacture and install EVSEs.	No	No	Yes	No	Ontario	91764	2014
LiCAP Technologies, Inc.	<a href="https://www.licaptech.com/">https://www.licaptech.com/</a>	Design and manufacture dry electrode ultracapacitors for batteries.	No	No	No	Yes	Sacramento	95827	2016
Lightning Motorcycle Corp.	<a href="https://lightningmotorcycle.com/">https://lightningmotorcycle.com/</a>	Design and manufacture battery-electric motorcycles.	Yes	No	No	No	San Carlos	94070	2011
<b>Lithos Energy</b>	<a href="https://lithosenergy.com/">https://lithosenergy.com/</a>	Engineer and manufacture lithium battery and battery systems for use in BEVs.	No	Yes	No	Yes	Hayward	94545	2015
Lucid Motors	<a href="https://lucidmotors.com/">https://lucidmotors.com/</a>	Design and manufacture ZEVs.	Yes	No	No	No	Newark	94560	2007
Luxfer Gas Cylinders	<a href="https://www.luxfercylinders.com/">https://www.luxfercylinders.com/</a>	Manufacture hydrogen storage cylinders and hydrogen fuel systems.	No	No	Yes	No	Riverside	92507	1897
Microsemi Corporation (subsidiary of Microchip Technology Inc.)	<a href="https://www.microsemi.com/company/about-us">https://www.microsemi.com/company/about-us</a>	Design and manufacture a variety of semiconductor products including BEV charging components and systems.	No	Yes	Yes	No	San Jose	95134	1989
Monarch Tractor	<a href="https://www.monarchtractor.com/">https://www.monarchtractor.com/</a>	Develop and manufacture a BEV tractor for agricultural purposes.	Yes	No	No	No	Livermore	94551	2017
Motiv Power Systems, Inc.	<a href="https://www.motivps.com/motivps/">https://www.motivps.com/motivps/</a>	Develop and manufacture medium and heavy duty ZEVs and electric powertrain controls.	Yes	Yes	No	No	Hayward	94545	2014
Moxion Power Co.	<a href="https://www.moxionpower.com/">https://www.moxionpower.com/</a>	Manufactures battery-powered mobile charging units that can power BEVs.	No	No	Yes	Yes	Richmond	94804	2020
Phihong USA Corp (subsidiary of Phihong Corporation)	<a href="https://www.phihong.com/">https://www.phihong.com/</a>	Manufactures a wide range of electronic products, including BEV chargers. Is headquartered in Taiwan and has a manufacturing and operations center in Fremont, California.	No	No	Yes	No	Fremont	94538	1972
Phoenix Motorcars	<a href="http://www.phoenixmotorcars.com/">http://www.phoenixmotorcars.com/</a>	Develop and manufacture battery electric medium-duty vehicles and busses.	Yes	No	No	No	Anaheim	92807	2009
QuantumScape	<a href="https://www.quantumscape.com/">https://www.quantumscape.com/</a>	Engineer and manufacture solid-state lithium batteries for use in BEVs.	No	No	No	Yes	San Jose	95110	2010
RIDE Coach and Bus Factory	<a href="https://en.byd.com/contact/">https://en.byd.com/contact/</a>	Develop and manufacture medium- and heavy-duty electric vehicle technologies.	Yes	Yes	Yes	Yes	Lancaster	93534	2013
<b>Ryvid Inc.</b>	<a href="https://ryvid.com/">https://ryvid.com/</a>	Design and manufacture battery-electric motorcycles.	Yes	No	No	No	San Bernadino	92346	2020
Sensata Technologies	<a href="http://www.sensata.com/">http://www.sensata.com/</a>	Design and manufacture BEV battery management systems and other vehicle components. Headquartered in Massachusetts with	No	Yes	No	No	Thousand Oaks	91320	2006

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		manufacturing operations in Thousand Oaks, California.							
Siemens Mobility, Inc.	<a href="https://new.siemens.com/us/en/company/siemens-in-the-usa.html">https://new.siemens.com/us/en/company/siemens-in-the-usa.html</a>	Siemens Mobility, Inc. is a leading provider of rail transportation solutions. Operates a number of manufacturing and engineering facilities around the world with light rail car manufacturing in California.	Yes	No	No	Yes	Sacramento	95828	1847
<b>Sila Nanotechnologies</b>	<a href="https://www.silanano.com/">https://www.silanano.com/</a>	Engineer and manufactur silicon-based battery anode and other battery materials.	No	No	No	Yes	Alameda	94501	2011
SMTC Manufacturing Corporation of California	<a href="https://www.smtc.com/">https://www.smtc.com/</a>	Contract manufacturer and supplier of EVSE components.	No	No	Yes	No	San Jose	95035	1994
SolecTrac (acquired by Ideonomics)	<a href="https://solectrac.com/">https://solectrac.com/</a>	Design and manufacture battery electric tractors for the agricultural sector.	Yes	No	No	No	Windsor	95492	2020
South 8 Technologies	<a href="https://www.south8technologies.com/">https://www.south8technologies.com/</a>	Develops and manufactures next-generation electrolytes for electrochemical energy storage devices, including lithium batteries and electrochemical capacitors.	No	No	No	Yes	San Diego	92109	2015
Tellus Power Green	<a href="http://telluspowergreen.com/">http://telluspowergreen.com/</a>	EV infrastructure manufacturing company that manufactures and install EVSE.	No	No	Yes	No	Laguna Hills	92653	2011
Tesla Motors, Inc.	<a href="https://www.tesla.com/">https://www.tesla.com/</a>	Design and manufacture ZEVs, EVSE, and on-site energy storage.	Yes	Yes	Yes	Yes	Fremont	94538	2003
Tritium Technologies LLC	<a href="https://www.tritium.com.au/">https://www.tritium.com.au/</a>	Design and manufacture EVSEs.	No	No	Yes	No	Torrance	90503	2001
Trojan Battery Company	<a href="https://www.trojanbattery.com/">https://www.trojanbattery.com/</a>	Manufacturer of deep-cycle batteries primarily used in smaller off-road vehicles such as golf carts. Also make lithium-ion based batteries for work equipment.	No	No	No	Yes	Santa Fe Springs	90670	1925
US Hybrid Corp. (acquired by Ideanomics)	<a href="https://ushybrid.com/">https://ushybrid.com/</a>	Design and manufacture ZEV powertrains and fuel cell components.	No	Yes	No	No	Downey	90242	1999
Vantage Vehicle International Inc. (dba MPAK Motor Co, Inc.)	<a href="https://www.vantagevehicle.com/">https://www.vantagevehicle.com/</a>	Design and manufacture low-speed utility and medium-duty electric vehicles.	Yes	No	No	No	Corona	92879	2002
<b>Volvo Group (acquired Proterra Powered)</b>	<a href="https://www.volvogroup.com/en/">https://www.volvogroup.com/en/</a>	Design and manufacturer of light, medium, and heavy-duty vehicles and related components. Acquired battery production operations in Burlingame.	No	No	No	Yes	Burlingame	94010	1927
Waev Inc.	<a href="https://www.waevinc.com/">https://www.waevinc.com/</a>	Design and manufacture battery electric shuttles and other low-speed vehicles for commercial applications.	Yes	No	No	No	Anaheim	92804	2021

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Wiggins Lift Co Inc	https://wigginslift.com/	Develop and manufacture a BEV forklift for commercial purposes.	Yes	No	No	No	Oxnard	93036	1960
Zero Motorcycles, Inc.	https://www.zeromotorcycles.com/	Design and manufacture battery-electric motorcycles and off-road vehicles.	Yes	Yes	No	No	Scotts Valley	95066	2008
Zero Nox, Inc	https://www.zeronox.com/	Design and manufacture powertrains, batteries, off-road vehicles, forklifts and other battery electric vehicles.	Yes	Yes	Yes	No	Porterville	93257	2017

Sources: California Energy Commission staff research, company websites, LinkedIn, Crunchbase, Pitchbook, and Yahoo Finance. For more information visit our CEC webpage at <https://www.energy.ca.gov/programs-and-topics/programs/zero-emission-vehicle-related-manufacturing>. A company name in **Bold** text indicates a new addition from the prior update.