



# The Plug and the Nozzle

- ZEV Infrastructure Permitting Newsletter No. 2 -

Dear ZEV Stakeholder,

Welcome to our second newsletter. This new decade is poised to be a major turning point in the history of Zero Emission Vehicles (ZEVs). The Plug and the Nozzle will unpack these exciting developments as we prepare California for a zero-emission future.

A screenshot of the California Governor's Office of Business and Economic Development website. The top navigation bar is dark blue with white text for "CA.GOV", social media icons (home, Facebook, Twitter, YouTube, LinkedIn), "Contact Us", a "Select Language" dropdown menu, and a "Settings" gear icon. Below the navigation bar is a white header with the state seal on the left and a menu of links: "Advantages", "Industries", "Newsroom", "About", "Apps", and "Search". The main content area features a large, vibrant night-time photograph of a city skyline, likely San Francisco, with the text "CALIFORNIA INNOVATES" overlaid in large, white, bold, sans-serif capital letters. Below the image are three columns of statistics: "5th Largest Gross Domestic Product in the World<sup>1</sup>", "#1 in New Business Starts<sup>2</sup>", and "#1 State in Access to Venture Capital Funding<sup>3</sup>".

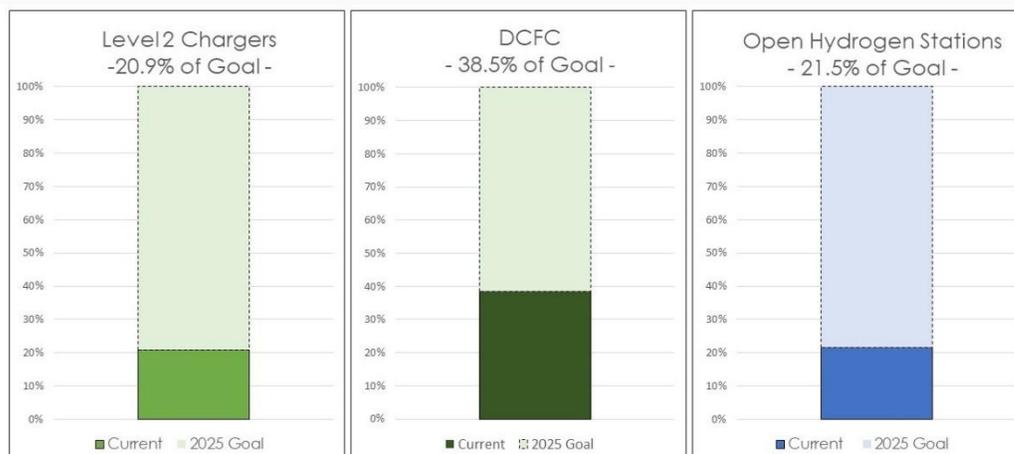
## New GO-Biz Website

We are thrilled to announce our new [GO-Biz Website](#), which contains information on GO-Biz’s many programs that support economic development in our state. Our website contains many great statistics and informative nuggets that clearly show California is the best state in the nation to design, produce and sell zero emission technology. Please check out the [ZEV Page](#) to find this information and learn how the ZEV team is addressing barriers to ensure California’s ZEV market continues to develop and grow. We always welcome recommendations to improve our website to better help the communities of California and our stakeholders.

## By the Numbers: February 2020

Source: Alternative Fuels Data Center	Type of Charger/Station	# of Charge Ports/Stations	2025 Goal
EV Chargers	Public Level 2 Chargers	20,168	240,000
	Private Shared Level 2 Chargers	Over 30,000*	
	DCFC	3,853	10,000
Open Hydrogen Stations	H <sub>2</sub>	43	200

\* Information provided by charging station developers in California. Our team is engaged in ongoing outreach to charging station developers to arrive at a more accurate number. Private Shared Level 2 Chargers refers to charging stations that are not available to the public for any period of time, but exist to serve more than one vehicle per day, such as at workplaces and multifamily dwellings with shared parking.



## EVENTS

### **Zero Emission Vehicle Permit Streamlining Workshop: March 10th, 10:00 am - 4:30 pm, Los Angeles, CA.**

Join GO-Biz and the Southern California Association of Governments (SCAG) in Los Angeles on March 10th in person or via webinar to discuss ZEV permit streamlining. We will have experts from across the field to discuss electric vehicle charging and hydrogen refueling stations, working with utilities, permitting best practices, funding opportunities and Americans with Disabilities Act compliance. If you want your city or county to streamline their permitting, this workshop is for you.

Lunch will be provided and there will be ZEVs to test-drive at this event.

If you like this newsletter you will love this workshop. [RSVP here.](#)

### **Veloz Workshop: Electric Transportation 2030: Policy, Power & Plugs: March 4th, 10:00 am – 4:30 pm, Sacramento. CA.**

Veloz invites you to join key corporate, nonprofit and government representatives at a March 4th forum sponsored by Electrify America in Sacramento to discuss what's next for electric cars in California. [RSVP here.](#)

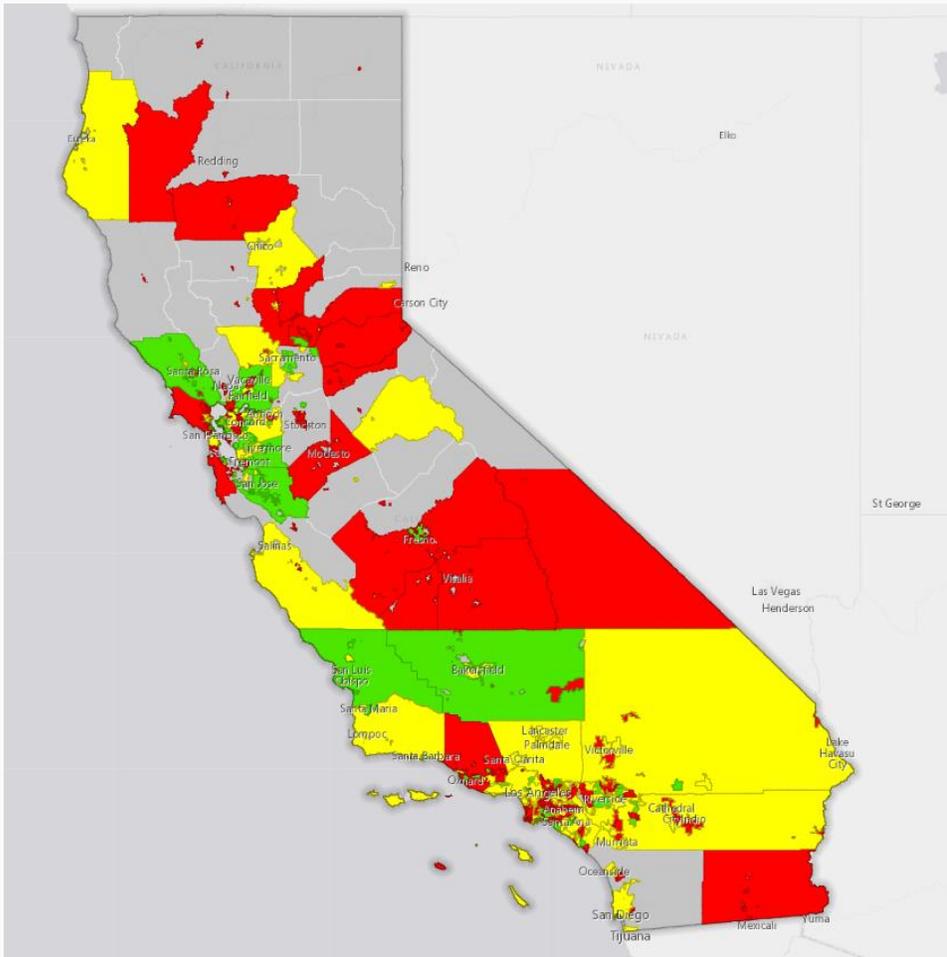
### **California's Lithium Recovery Initiative: February 12th, 1:00 pm – 5:00 pm. Stanford, CA.**

The California Energy Commission and GO-Biz are co-hosting California's Lithium Recovery Initiative. [RSVP here](#) to learn more about the exciting lithium recovery development taking place in California to power the next generation of zero emission technology.



# Status of California's EVCS Permitting: Have We Streamlined Yet?

As of today, GO-Biz has evaluated 366 jurisdictions in California. Of the two thirds state that has been graded, 62 cities or counties have been deemed “Streamlined,” 113 are “Partially Streamlined” and 191 are considered “Not Streamlined.” Only 16.9% of the jurisdictions we have evaluated in California are streamlined based on the requirements of AB 1236. The GO-Biz Team is here to support cities and counties on their path to permit streamlining to scale the ZEV market in California. If we can provide any assistance or if you would like us to add your jurisdiction to the map, please email [zev@gobiz.ca.gov](mailto:zev@gobiz.ca.gov)

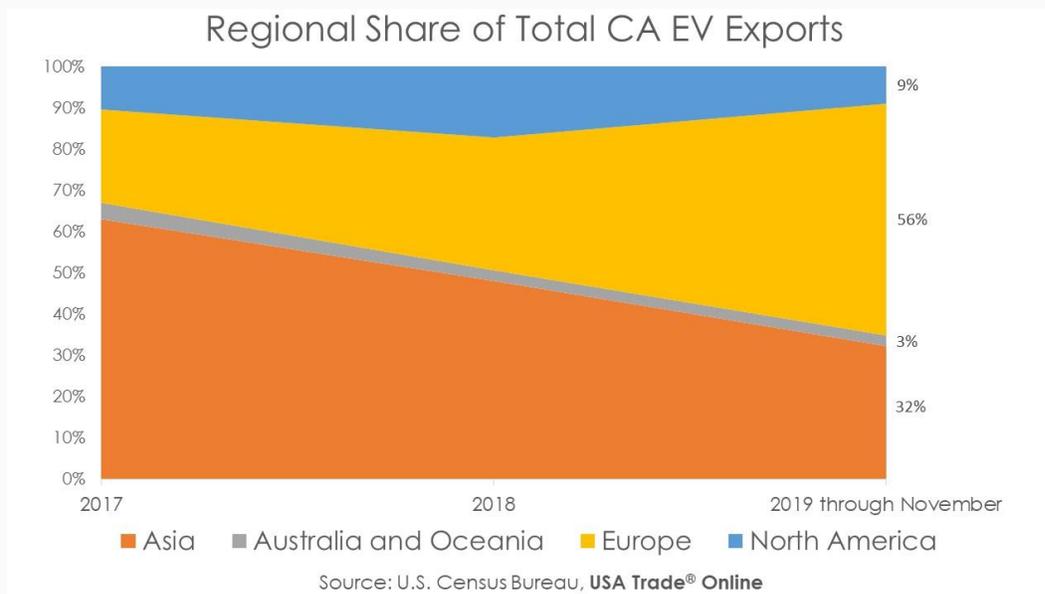
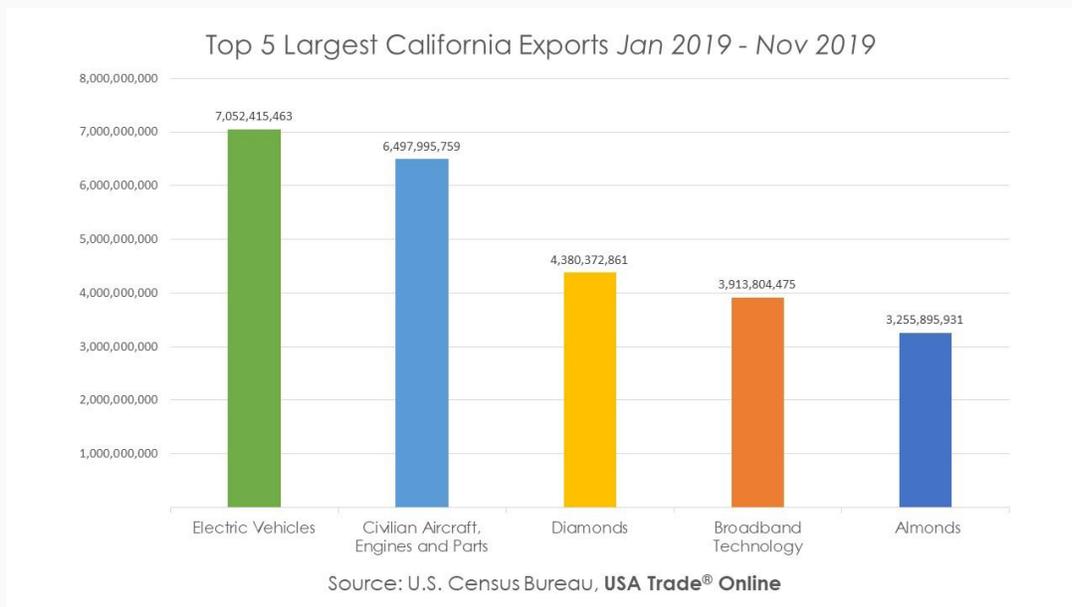


The GO-Biz ZEV Team launched a new page on our website this week, dedicated to providing local jurisdictions additional tools to become **Streamlined**. The new page includes specific best practice examples of permit streamlining ordinances and checklists, which are in addition to the [Electric Vehicle Charging Station Permitting Guidebook](#). Check it out here: [Permitting Electric Vehicle Charging Stations: Best Practices](#).

## California's ZEV Exports: EVs Going Global

In a year in which global instability and trade wars reduced global trade growth by more than half, California's electric vehicles defied all trends. After shipping out approximately \$2.9 billion worth of electric passenger vehicles in both 2017 and 2018, California more than doubled its ZEV exports in 2019 to over \$7 billion (and that is just through November; December's numbers aren't even in yet!). That brings electric vehicles' ranking in California's exports from #8 last year all the way to #1 by over half a billion dollars.

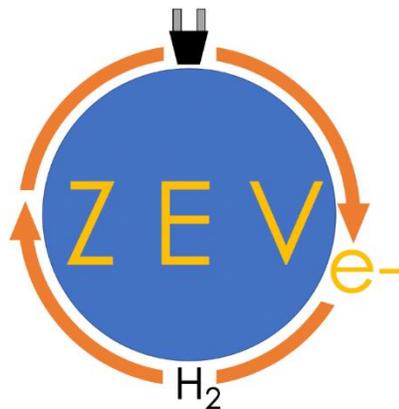
ZEV exports to Asia and China nearly doubled compared to last year, with European demand accounting for over half of total exports. In fact, exports to Europe alone (nearly \$4 billion) were 25% higher than California's total EV exports last year.



## ZEVe- Awards:

California's ZEV market is thriving for a number of reasons: strong policy and business leadership; a diverse, talented workforce; an educated and conscientious consumer base; and a can-do culture of innovation. Ongoing success hinges on our ability to scale the market – from exports to right in our own communities.

GO-Biz is honoring 6 local ZEV champions throughout California for their leadership and dedication to improving the ZEV infrastructure approval process. As a state, we cannot accomplish our ambitious climate goals without the talented individuals who are preparing California cities for our zero-emission future.



**Cameron Gray, Transportation & Climate Program Manager at the Community Environmental Council and Garrett Wong, Climate Program Manager at Santa Barbara County** – Cameron began supporting charging station permit streamlining long before GO-Biz developed our AB 1236 map to support the implementation of EV readiness plans in the Central Coast region. As if he knew the mapping initiative were coming, Cameron worked with Electric Drive 805 partners in 2018 to assess the status of EVCS permit streamlining for 12 local governments across the “805 region” (includes Santa Barbara, San Luis Obispo, and Ventura counties that share the 805-area code). ZEV Readiness Implementation grant funding from the California Energy Commission made this early work on EVCS permit streamlining possible. Garrett Wong joined the County of Santa Barbara in August 2019 and immediately stepped forward to accelerate permit streamlining with local governments in the County that had not yet achieved “EVCS Permit Ready Status” with GO-Biz. Garrett’s swift action has helped the region’s local governments streamline their permitting during a critical period. Before he joined the County of Santa Barbara, Garrett developed the City of Santa Monica’s EV Action Plan setting a goal to triple the city’s public charging stations within three years. Because of Garrett and Cameron’s great work and advocacy, Santa Barbara County and the broader region will be prepared for rapid infrastructure development that can help meet the growing demand for charging. The Community Environmental Council, Electric Drive 805, and the County of Santa Barbara continue to collaborate on EV Readiness Plan implementation and permit streamlining for the region.

**Suzanne Loosen, Zero Emission Vehicle Coordinator at the San Francisco Department of the Environment** – Suzanne has led the charge to adopt streamlined procedures to develop and open hydrogen refueling stations in our state's most densely populated metropolis. Her efforts opened the door for 3 hydrogen stations in San Francisco, increasing access to zero emission driving for apartment dwellers in particular. For some, it starts with one station. For Suzanne, it starts with three.

**Natalie Arreaga, Amanda Caswell and Vannesa Reyes Salazar, CivicSpark Climate Fellows at the Southern California Association of Governments (SCAG)** – Natalie, Vannesa and Amanda have moved bureaucratic mountains to evaluate the EVCS permitting status of every jurisdiction in Southern California. They successfully tracked down the ordinances, checklists and all relevant information about EVCS permitting across the 6-county SCAG region. Where no information was to be found, they took the extra step of directly contacting planners and building officials, leading to many enlightening conversations and sharing of resources including the [Electric Vehicle Charging Station Permitting Guidebook](#). Their work is invaluable in making sure that Southern California is ready for the millions of ZEVs that will soon be on the road. Their next effort will be to update SCAG's [Green Region Initiative \(GRI\)](#) which maps sustainability indicators across the SCAG region.

To nominate a local zero emission hero in your community for a ZEVe- award please email: [zev@gobiz.ca.gov](mailto:zev@gobiz.ca.gov).

**\*\*\*NEW\*\*\* Grant Funding Opportunity:  
Hydrogen Refueling Infrastructure ([GFO-19-602](#))**

The California Energy Commission recently announced the availability of \$45.7 million currently (and up to \$115.7 million from 2021-2024) for development of infrastructure that will expand California's growing light-duty hydrogen refueling and fuel cell vehicle markets.



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