



## SacEV News Flash

### Coming EV Events

#### ECO-Challenge #3 - May 17, 2020

Are you going stir crazy locked in your home? Need a reason to get out without breaking physical distancing rules? This is a gathering for any EVs to test eco-driving skills and economy of operation. Winner will be the car/driver with lowest **watts/mile** for an ~31 mile course. This is a "physical distancing" appropriate chance for us to be in proximity with kindred environmental supporters to test our cars and skills to be the MOST efficient EV drivers.

All pure electric vehicles are welcome! This is a **free Event** and there are even gift certificate prizes, all supported by SacEV. **Note:** \$1 coffee here to prime the driver eco-nomically.

**Date:** May 17, 2020

**Time:** No later than 8:00am at the McDonald's at the entry to IKEA Ct. in West Sacramento, CA

**RESET trip odometer at McDonald's.** Cars staged at 2 minute intervals beginning 8:30am.

1. Drive to Woodland along the "Old River Road" (~15 miles). Cross Highway 102 overpass, returning on I-5 freeway to the exit to the Old River Road (~ 4.5 miles). Return to McDonald's where each driver takes photo of power operating display showing their watts/mile or similar info (translated to watts/mile).
2. Meet for scoring/ranking and bragging. This ECO-LOOP is ~31 miles and must be completed within 44 minutes of departure time. Drivers **MUST** average 45-50 mph **AND** keep actual "freeway speeds" for ~5 miles when entering I-5 In Woodland to Old River Road exit.
3. Charging is available in the IKEA Ct. area, both Level 2 and DC fast charging!
4. AWARDS/WINNERS: Gift Card(s)

Contact George Parrott for more info at [geo241@csus.edu](mailto:geo241@csus.edu)

### Regional EV News & Activities



#### EVs At the Drive-In

How long has it been since you have been to a drive-in movie? The Sacramento Bee has [featured](#) our local drive-in movie theater, [West Wind](#), which is one of the few drive-in theaters still operating.

It turns out EVs are great at the drive-in, since we can keep heaters, A/C, and defrosters going without polluting or fumes. Guy and Victoria took their 2011 Nissan LEAF to the drive-in a few years ago and it was great.

SacEV Board Member, Coline McNeil, proposes a SacEV night at the movies. Let her know if you are interested at [coline0527@gmail.com](mailto:coline0527@gmail.com).

#### Sacramento Piloting Chargers Along Streets

Sacramento is one of three California cities that is piloting chargers for EVs along streets, creating an additional strategy for charging. Read More [Here](#)





## Sacramento Region Graded in New State of the Air Report

California and Sacramento again had some of the poorest air quality in the nation, its skies made worse by the effects of climate change and years of catastrophic wildfires, with worrying implications for those most at risk of developing COVID-19.

Read the findings in American Lung Association's annual [State of the Air report](#) released Tuesday, and how the COVID-19 shelter-in-place order could inform a blueprint for a cleaner future.

## Webinars & Events of Interest

### How COVID-19 is impacting Auto Companies



Veloz is presenting a 1-hour conversation to discuss how the COVID-19 health and economic crisis is impacting business models around transportation electrification. Panelists include:

- **Ford Motor Company:** Cynthia Williams, Global Director, Sustainability, Homologation & Compliance
- **Mercedes-Benz Research & Development:** Amy Lilly, State Regulatory Principal Specialist
- **San Diego Gas & Electric:** Natasha Contreras, EV Customer Engagement Program Manager
- **Uber:** Adam Gromis, Global Lead on Sustainability and Environmental Impact
- **Flo:** Travis Allan, Vice-President of Public Affairs and General Counsel

**Date:** Tuesday, May 26 at 10:00 am

Register [here](#)

### Grid saturation lessons from Australia and Hawaii

With high solar adoption, Australia and Hawaii have experienced serious grid saturation issues. Both locations are using curtailment to manage voltage volatility and Distributed Energy Resources saturation, resulting in limits to the size of solar+storage installations. As DER saturation increases around the US, with California and New York at the forefront of this trend, we can learn valuable lessons from Australia and Hawaii.

Unsustainable grid upgrades and curtailment are avoidable. Technology available now, combined with the right policies and market mechanisms, can help chart better courses for reaching renewable goals.

The recording and slides from Tuesday's webinar are online. Presentation slides are available in [PPT](#) and [PDF](#) format. [View webinar](#)

Webinar details:

- How cost-effective inverter-based solutions can provide reactive power for voltage balancing that allows much higher penetrations of renewables
- How Planet Ark Power's eleXsys™ technology solves the problems of voltage instability and limited hosting capacity, which are at the root of challenges with increased DER saturation
- Policies needed with this tech to quickly and cost-effectively decarbonize the electricity sector

## The Cleaner Air Partnership

A joint project of Breathe California of Sacramento-Emigrant Trails, the Sacramento Metropolitan Chamber of Commerce and Valley Vision to help the Sacramento region meet clean air standards that protect health and promote economic growth

### The Business of Air Quality: Why State and Federal Policy Matters to Business

[Full video](#) of the Cleaner Air Partnership Presentation from May 1, 2020

Additional items:

**May Is Bike Month:** May is Bike Month, your chance to replace car trips with bike trips. Make a pledge for how many trips you will make by bike in May.

**Slow Streets Sacramento:** Over 30 cities around world have prioritized streets for pedestrians and cyclists in response to COVID-19 pandemic. It's time for Sacramento to join.

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## Scooters in Cities: The Story So Far



In their first two years of existence, shared e-scooter systems have attracted a lot of attention, both positive and negative. A Los Angeles Times editorial lauded scooters' potential to provide "convenient, affordable ways to travel short distances without getting in a car and driving." Others have been far more skeptical, with some calling scooters a "menace" and an "imminent threat" to bystanders. In this presentation we will explore some of the most prominent controversies surrounding scooters, such as safety, parking, and appropriate regulations, and what some of the early research on scooters has found about these issues. [Seminar Online](#)

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## State Automated Vehicle Policy: Is it Keeping up with Technology?



Automated vehicle technologies have rapidly developed in the last decade, and fully driverless vehicles are highly anticipated to disrupt the transportation system. Despite recent development, the federal government has failed to implement policies in the transition from human-driven transportation and automated drivers. In the absence of federal leadership, states have taken on the role of regulating and incentivizing the use of automated technologies. We categorize the bills legislatures are considering and which steps need to be taken to ensure that the vehicles are safe, and beneficial to society in terms of congestion, emissions, and accessibility.

You can watch the webinar recording [here](#).

ITS has also created the issue paper, [Technology is Outpacing State Automated Vehicle Policy](#). View presentation slides [here](#).

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## Up to Code? Planning for ZEV Infrastructure



Veloz invites you to a [Zero-Emission Vehicle Permit Streamlining Workshop](#). The workshop is also available via webinar, and is presented by the Governor's Office of Business and Economic Development (GO-Biz) and the Southern California Association of Governments (SCAG).

[GO-Biz's Electric Vehicle Charging Station Permitting Guidebook](#)

More information and registration [here](#).

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## Why Workplace Charging?

Health insurance packages, parental leave, napping pods, kombucha on tap, and bike storage have not been amenities traditionally offered by employers, but many of these have become standard. When will workplace charging be added as a common feature? Workplace charging is an enormous [benefit](#) for both employees and employers. This webinar discussed the benefits of workplace charging, considerations when providing workplace charging, and best practices.

View [Eric's](#), [Anne's](#) and [Andrew's](#) presentations.

Full webinar recording [here](#).

### **Additional Resources**

Oregon Food Bank Workplace Charging [Pilot](#)

Avista Electric Vehicle Supply Equipment Pilot [Final Report](#)

Burns and McDonnell - [Power Up With Electrification](#)

[EMobility Equity Conference](#) presented by EVNoire and Forth will take place on June 18.

Pacific Power Charging Station [Grants](#)



## Join the National Electric Auto Association



Join other SacEV members as national Electric Auto Association members, you are joining the national grass-roots community advocating for EVs in the USA. The national EAA is critically important to SacEV as it handles our administrative chores (tax filings, non-profit status, banking service, insurance, legal help, etc.) and provides value, such as webinars and the two nationwide events: National Drive Electric Week and Drive Electric Earth Day.

Your SacEV leadership team relies on these services, so we encourage you to join the national organization for the small sum of \$35 annually. You will also be able to keep current with the latest developments in the rapidly changing world of electric vehicles in our monthly Current Events e-magazine. This beautiful publication is a full-color, printable magazine, available 24/7 on-line from your desktop, laptop, smartphone, or however you access the internet.

Your membership provides value to you, our local SacEV chapter, and you become a member of this critical national movement. **Please join [NOW](#).**

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### More SacEV Events Are Coming Up

Check the [SacEV calendar](#) for the latest EV-related activities.

If you've missed a Newsletter and for more information about the Sacramento Electric Auto Association visit our [website](#).

