



## Texas Electric Transportation Resource Alliance

[txetra.org](http://txetra.org)

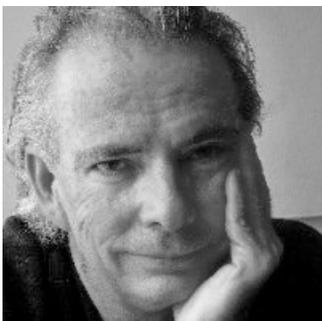
### WELCOME TO THE TxETRA NEWSLETTER

6.1.2018

Leading Texas Toward  
An Electrical Transportation Future,  
In All its Forms - In the Most Cost-Effective Way,  
Providing Maximum Benefit to the Citizens of this State



Texas has more roads than any other state. It's time for Texans to help shape the coming transportation transformation. What follows is a summary of TxETRA's recent activities.



#### A Message from TxETRA Board Chair, Michael Osborne

About a year ago, I came to the conclusion that the time for a statewide electric transportation advocacy group was just about here. Well, after a dinner in late October, a lunch in December, about 10 interim board meetings in Jan, Feb, and March, and a fabulous board meeting and founding reception at the Austin Club on April 6th, TxETRA was born.

Thank you to all of you who have helped make this happen. I'm especially grateful to **Mark Kapner, Dale Bula, Joep Meyer, Cary Ferchill, Austin Energy, The Wind Coalition, Public**

**Citizen, Janis Bookout of EarthDay ATX, and the Energy Foundation.** It goes without saying just how much rocket fuel our Executive Director, **Tom "Smitty" Smith**, has poured into this effort. We have also been blessed with the help of **Stacey Abel**, our Policy and Communications Director.

This spring alone, we have met or made presentations to **ERCOT, LCRA, CPS, AECT, OMCOR**, the Chairman of the **PUC, Plug-in Texas**, the national **Alliance for Transportation Electrification**, and a host of elected officials who will be critical to our effort in preparing Texas roads and infrastructure for the transportation transformation that is on the near horizon.

We are over 70 transportation professionals, utility execs, car and truck manufacturers, and academic thinkers, along with electric owners and activists who want to work together to shape the future.

**Our Mission** is to guide and accelerate the adoption of electrical transportation in all its forms in the most cost-effective way providing maximum benefit to the Citizens of Texas. If you haven't yet joined us, I hope you will.

Please enjoy the **4-minute video (below) from our TxETRA Launch** on April 6th where we were joined by Phil Jones, Executive Director of the national Alliance for Transportation Electrification, Austin Mayor Steve Adler, and a host of other distinguished leaders who are applauding our efforts. [\(Watch Video\)](#)





## A Message from TxETRA Exec. Director, Tom "Smitty" Smith

**We are at the frontier** of developing new ways of transporting ourselves across Texas and we need your help to make it happen. Electrified transportation is growing rapidly all over the world because it lowers operating costs and reduces emissions, while creating new business and manufacturing opportunities. It's already cheaper to own and fuel an electric vehicle - and it will be cheaper to buy an electric vehicle by 2025. The transformation in how we transport ourselves is largely being driven and developed in Asia and Europe, and so the change will occur with or without policy changes in the U.S. How Texas responds will determine whether we are in the driver's seat or in the back of the bus.

As Executive Director of **Public Citizen Texas** office for almost 30 years, I was part of a coalition that crafted renewable energy policies to address climate change and ensure energy independence for Texas and the nation. Our decision back then to get in the renewable energy game early-on paid off - and resulted in **Texas' current ranking as #1 in the U.S. and 5th in the world in wind energy production** (with solar energy growing exponentially). Today seven times more people work in renewable energy in Texas than in the coal industry. **Now - 20 years later - we are at a similar historical crossroads with respect to transportation electrification** - and I believe similar benefits await us as we move toward becoming a leader in this transportation revolution during the next several years.

Since the event of our April 6th kick off, we at **TxETRA** are helping Texas prepare for what many are calling a "**global electric transportation revolution.**" As battery technology continues to evolve at lightning speed, people are turning to electric vehicles for health, environmental and economic reasons. Moreover, a recent AAA customer survey revealed that 20% of American drivers indicated that their next car would be an electric vehicle. We believe it is our responsibility to put the infrastructure in place to be ready for this future that is racing quickly toward us.

Our board is comprised of stakeholders from global automakers such as **BYD America** and **Peterbilt, Austin Energy, Hunt Energy/ Sharyland Utilities, Smart Charge America, Texas Advanced Energy Business Alliance, Public Citizen, Capital Metro, Austin MEASURE**, and others domain leaders including visionaries from two of our major universities: **The University of Texas** and **Texas A&M**. We need your energy and experience on one or more of our technical and outreach **committees** to help carve out legislative and regulatory recommendations for the fall. We are working to develop policies **regarding Electricity Grid Impact, Charging Infrastructure, Public Transportation, Technology, Economic Development, Public Education, and EV Tax Policy.**

Please join us in driving this transition forward. This is the moment we have been waiting for and - like most of you - I am charged up and ready to go!

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# TxETRA News

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## **TCEQ Opens \$2500 Rebate Incentive Program for Texas Consumers to Purchase or Lease 'Light Duty' Electric Vehicles.**

The Texas Commission on Environmental Quality (TCEQ) is **now accepting applications** for funding under the LDPLIP portion of the **TERP (Texas Emissions Reduction Program)**. This program establishes that consumers can receive a **\$2500 rebate incentive** for purchasing or leasing qualifying electric vehicles. [TCEQ's website](#) provides useful information about the program, eligibility, and how to apply. The **deadline is May 31, 2019**.

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## **TxETRA Executive Director, Tom "Smitty" Smith, Joins Texas PIRG in Asking Austin's CapMetro Transit Authority (CMTA) to Convert to Electric Buses. ([Watch Video](#))**

A new report from the **TexPIRG Education Fund and Frontier Group**, "Electric Buses: Clean Transportation for **Healthier Neighborhoods and Cleaner Air**," shows that a full transition to electric buses in Austin could avoid an average of 22,644 tons of climate-altering pollution each year -- the equivalent of taking 4,371 cars off the road.



## **On May 24th, the Texas House Appropriations Committee Heard Public Testimony on the Texas Emissions Reduction Program (TERP).**

This voluntary program was first established in 2001 as part of the State's agreement with the **EPA** to achieve compliance under the **Federal Clean Air Act (FCAA)** and the **State Implementation Plan (SIP)**. It is funded through vehicle license and user fees and includes a myriad of measures to reduce toxic emissions. However, like many other worthy state programs, TERP is always under scrutiny by legislators and others looking for sources of funds to balance the budget or fund their favorite projects.

**TxETRA** joined advocates from **Texas Public Citizen, Lone Star Sierra Club**, and others in strongly supporting the program. We also urged committee members to reject removing the funding and supplanting it with Texas' portion of the **VW Settlement** monies (soon to be

designated by the Governor), which is strictly intended to address damage done to Texas air quality as a result of the "**Dieselpgate**" scandal.

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## Industry News

"The EV Revolution Will Hit the Car Market Even Harder and Faster Than Predicted A Year Ago."

-- *Bloomberg New Energy Finance*

*(...But Are Utilities Ready?)*



According to several recent forecasts, including **Bloomberg** and **SEPA (Smart Energy Power Alliance)**, the EV revolution is going to hit the car market even harder and faster than predicted a year ago:

- **By 2025 electric cars will be as cheap as gasoline vehicles** due to tumbling battery prices, which are set to fall by more than 70% by 2030.
- This will mean that EVs will have lower lifetime costs, and **be cheaper to buy than internal combustion engine (ICE) cars** in most countries **by 2025-29**.
- **By 2040**, it's estimated that **55% of all new car sales will be electric**.

[Read More](#)

"A zero-emissions world is possible."

-- General Motors Chairman and CEO, Mary Barra



## Mary Barra Gets It!

"At General Motors, we are steadfast in our vision of a world with zero crashes, zero emissions and zero congestion. This morning, I reaffirmed our stance on vehicle efficiency standards with the entire General Motors team. I hope you take the time to read the full letter and join us on our journey."

[Read Barra's Letter to Her Team](#)

[Watch Barra's Interview with CNBC: "We see an all-electric future."](#)

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## Volkswagen Just Ordered \$48 Billion in Electric Car Batteries from Tesla

**By 2025, VW plans to sell as many as 3 million all-electric cars per year,** Chief Executive Officer Herbert Diess told investors recently at the annual shareholder meeting in Berlin. Volkswagen called its battery tender "one of the biggest purchasing initiatives in the auto industry."



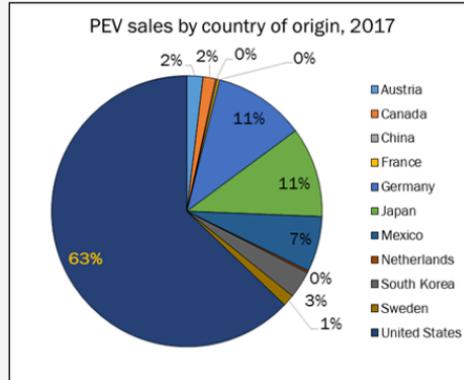
As of next year, the 12-brand group will roll out a **new battery-powered model "virtually every month,"** Chief Executive Officer Matthias Mueller said at the company's annual press conference. *"This is how we intend to offer the largest fleet of electric vehicles in the world."*

[Read More](#)

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## DID YOU KNOW?

Most EVs on the Road in the U.S. are  
Made In America?



EVs have become a central component to U.S. jobs and manufacturing. In fact, MORE Plug-In Electric Vehicles (PEVs) were assembled in the US than non-PEVs in 2017, according to a new report from the **Argonne National Labs**.

[Read More](#)



Advocates for Electric School Buses Hold Asthma Fair. **Asthma keeps more kids from attending school than any other illness. Arizona groups like Juntos: Our Air, Our Water, are lobbying state officials to buy zero-emission electric school buses with its share of the VW Settlement money.**

[Read More](#)



Utility Trade Groups Press EPA to Embrace EVs in Fuel Standard Rewrite. **Major utility trade groups joined with automakers on Tuesday to press the EPA to include electric vehicles as a compliance option for fuel economy standards under review by the agency.**

[Read More](#)



Norway Tops Global Sales of Electric Cars. **Sales of electric and hybrid vehicles have exceeded half of all new registrations in Norway** over the past 12 months. The new record was aided by generous subsidies and privileges enjoyed by EV owners.

[Read More](#)



Utilities Must Adapt Before Electric Cars Drive Off With their Business. **According to the World Energy Markets Observatory report, new registration of battery and plug-in hybrid electric vehicles recently reached a record high with more than 750,000 sales worldwide.**

[Read More](#)

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## Industry Events

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June 4-7, 2018 • Hotel Del Coronado, San Diego, CA

### ON-LINE REGISTRATION CLOSSES FRIDAY

AABC was founded to review the status of automotive battery technology and provide informed glimpses into the future. The AABC 2018 program uncovers the underlying technical and business issues that will impact the pace and path of vehicle electrification worldwide. Lithium-Ion batteries are the chief candidate for most xEV applications.

Network with Top Battery Technologists from **Tesla, GM, Toyota, Ford, Nissan, Volkswagen, Honda, Daimler, Fiat Chrysler, Subaru, Mitsubishi, Hyundai, Mazda, Hino Motors, Lion Electric, Faraday Future, NIO, Rivian Automotive, Uber**, plus the Entire Battery Supply Chain Next Week in San Diego.

[Check it Out!](#)

# iTEC2018

COMPONENTS, SYSTEMS, AND POWER ELECTRONICS-  
FROM TECHNOLOGY TO BUSINESS AND PUBLIC POLICY  
JUNE 13 TO 15, 2018 LONG BEACH, CA

ITEC is aimed at helping the industry in the transition from conventional vehicles to advanced electrified vehicles. The conference is focused on components, systems, standards, and grid interface technologies, related to efficient power conversion for all types of electrified transportation, including electric vehicles, hybrid electric vehicles, and plug-in hybrid electric vehicles (EVs, HEVs, and PHEVs) as well as heavy-duty, rail, and off-road vehicles and airplanes and ships.

[Check it Out!](#)



**FORTH**  
Empowering Mobility

# ROADMAP 11

Portland, OR | June 19-20, 2018

Title Sponsor: 

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## Roadmap 11, June 19-20, 2018

Sold out in 2017, with over 600 participants, the Roadmap Conference is **the nation's largest and most advanced annual conference on electric and smart mobility**. Held each summer in the Pacific Northwest, Roadmap includes nearly 100 national and international speakers, dozens of exhibits, regional smart mobility tours, and high-energy interactive sessions. Expect to make connections with a diverse mix of key leaders in the industry, government, and utilities.

[Check it Out!](#)



**September 11-13, 2018**

Suburban Collection Showplace  
Novi, MI

**Cutting-Edge Technologies  
In-Depth Industry Education**

The Electric & Hybrid Vehicle Technology Expo connects you with more than **8,000 automotive engineers and executives**, and more than **600 leading suppliers**, from across the H/EV manufacturing industry. A powerful end-to-end showcase, this mega-event delivers up-to-the-minute insights on **electric, hybrid, and plugin hybrid vehicle technology**, along with the latest **manufacturing solutions** along the supply chain including electrical powertrains and components, battery management systems, materials and equipment. Discover everything you need to make faster, smarter, and more cost-effective products at the most comprehensive event in North America.

[Check it Out!](#)



**Electric Vehicles**  
Everything is Changing

**E-mobility Reinvented**

**November 14 - 15, 2018 | Santa Clara Convention Center, CA, USA**

**Electric Vehicles: Everything is Changing** will reveal the latest advances and newest roadmaps in this radically changing industry. We balance the presentations from the giants with new faces revealing important breakthroughs. **IDTechEx** finds the companies and researchers that break the mold.

[Check it Out!](#)

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[txetra.org](http://txetra.org)