

Texas Electric Transportation Resources Alliance

*Leading Texas Toward an
Electric Transportation
Future*

Michael J. Osborne
- Board Chair

Laura Morrison
- Director of Community Initiatives

The materials, positions and questions are the work of TXETRA staff and collaborators. They do not represent the formal positions of member companies. They are based on conversations in our working group.



TXETRA

October, 21 2020

What is TxETRA?

Texas Electric Transportation Resources Alliance

We are a non-profit group for utilities, manufacturers, charging companies, academics, environmentalists and owners.

Our mission is to guide and accelerate the development of electric transportation in all its forms to provide the maximum benefit to the citizens of Texas.



TxE TRA

Why are Electric Vehicles Transforming the Transportation Market so Rapidly?



Reduces ozone levels and climate change emissions



Lower and more stable fuel and maintenance costs



May increase grid stability



Brings new industries with jobs for Texans (e.g., Tesla)

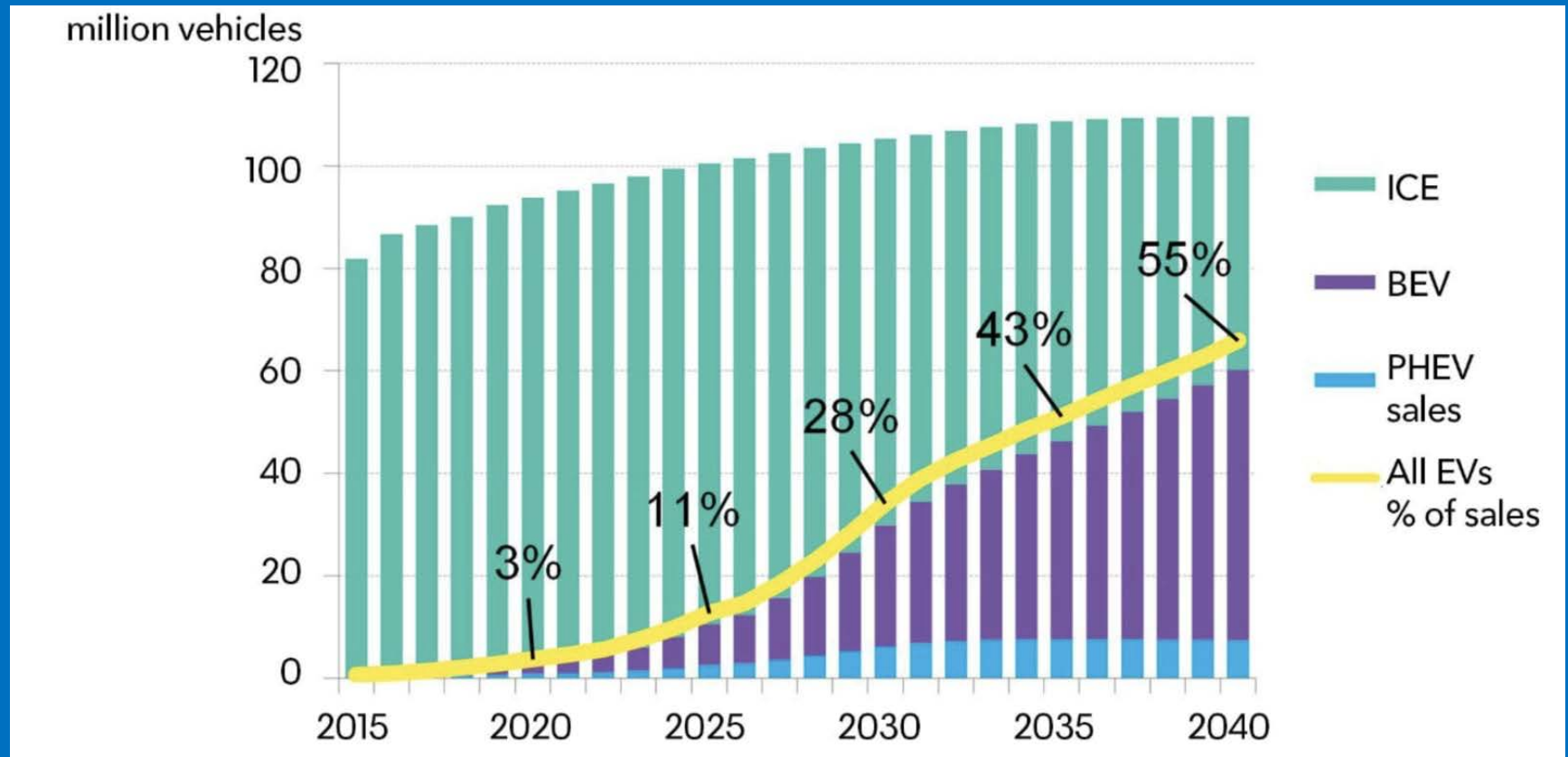


Powered with Texas' rapidly growing wind, solar & storage



TxETRA

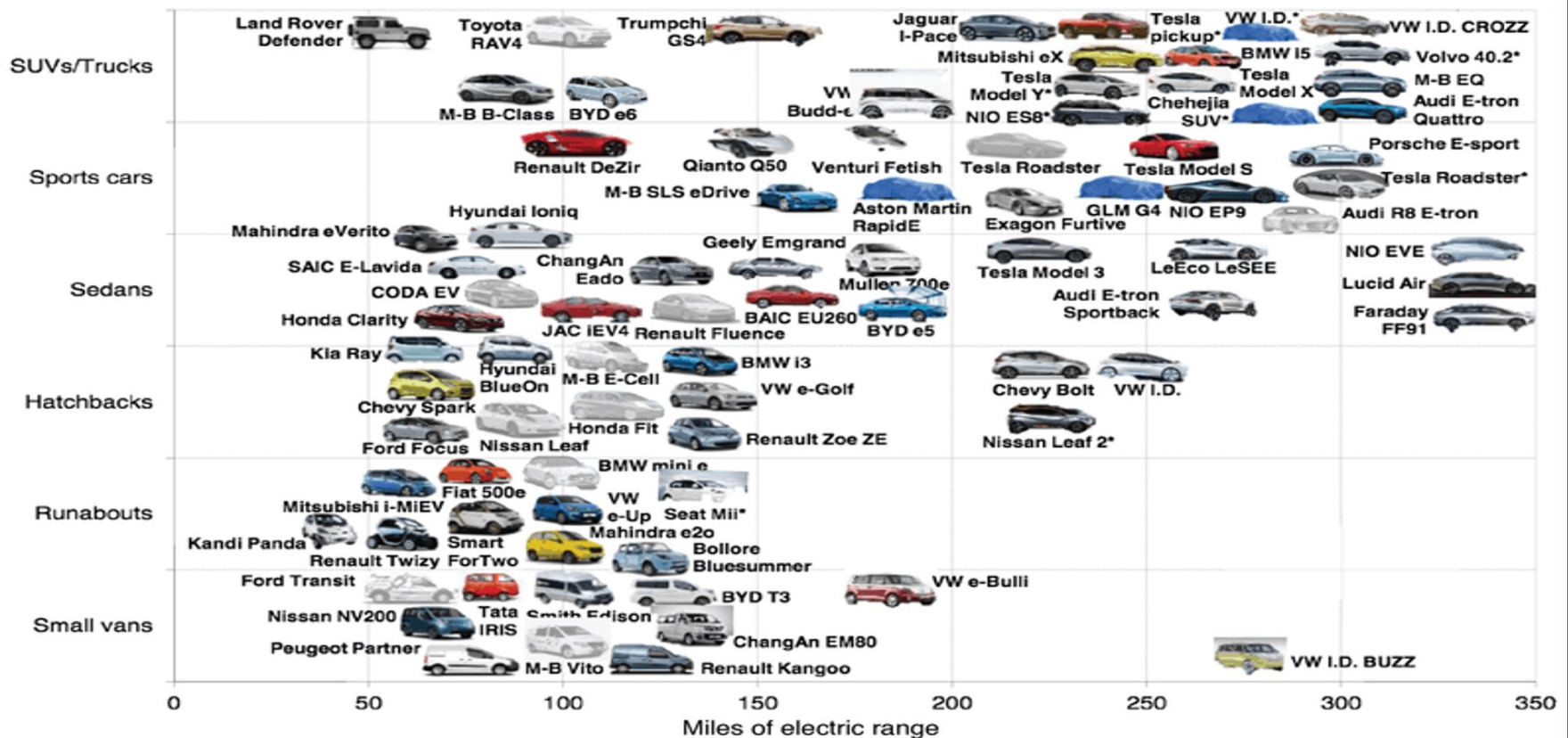
\$435 Billion In Global Investment



Over 200 EV Models Will Be On The Road by 2022

Electric-Car Boom

Models by style and range available through 2020



EVs Offer Big Savings Over Traditional Gas-Powered Cars

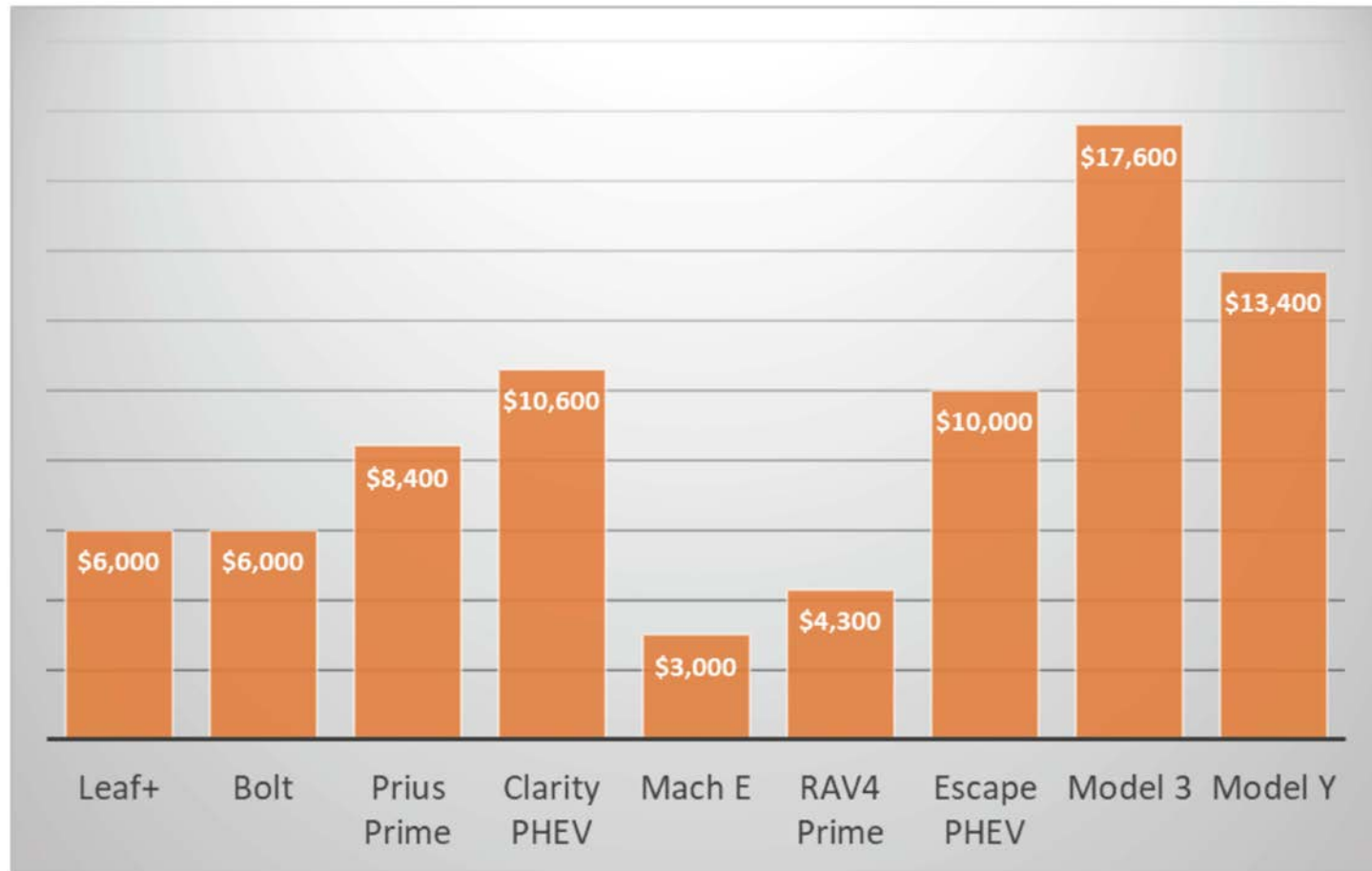


Figure 4.1. Lifetime Savings From EVs vs. Best-Selling ICE Vehicles in Class⁵⁴

<https://www.consumerreports.org/hybrids-evs/evs-offer-big-savings-over-traditional-gas-powered-cars/>
<https://advocacy.consumerreports.org/wp-content/uploads/2020/10/EV-Ownership-Cost-Final-Report-1.pdf>

Austin/San Antonio Regional Compact

A public/private partnership of government, large employers, and educational institutions to reduce **transportation-related emissions**

Co-Chairs

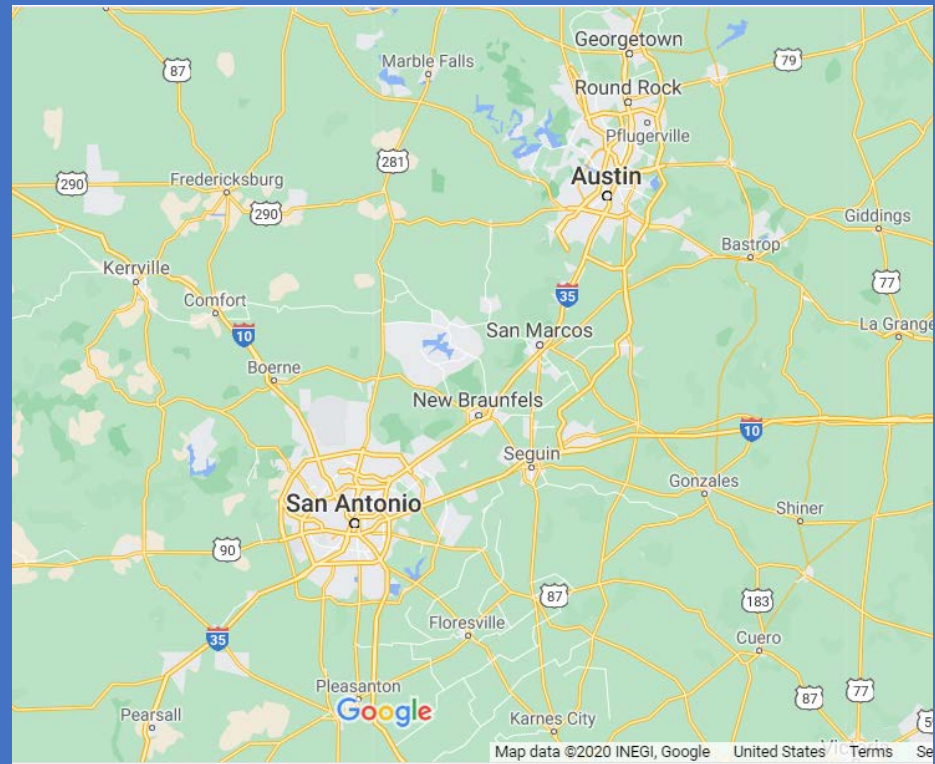
Travis County Commissioner

Brigid Shea

Bexar County Commissioner

Justin Rodriguez

Funded in part by a grant from
the Energy Foundation,
with additional foundations
indicating interest.



TXETRA

Reductions in Transportation-Related Emissions

Promotes Economic Vitality

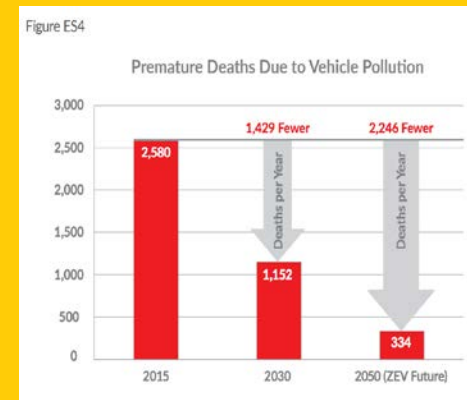
- Reduces cost of maintaining compliance with air quality standards
- Decreases cost of ongoing operations



Projected/San Antonio Nonattainment Impact

Ensures a Healthier Future

- Decreases respiratory & cardiovascular disease
- Diminishes premature deaths



Achieving Reductions in Transportation-Related Emissions

- Electrifying Fleets
- Promoting Alternatives to Employee Commutes in single occupancy ICE Vehicles
 - Mass or shared (electric) transit
 - Telecommuting & alternative scheduling
 - Encouraging transition to electric vehicles
 - Workplace charging
 - EV purchase/lease incentive programs



Partner Benefits

- Long-term **financial savings** in the cost of doing business by reducing fuel and maintenance cost
- Improved **quality of life and morale** of employees
- Organizational **branding** of the Partner's sustainability focus
- Cooperation and **information exchange** with other Partners
- Potential **monetization** of collective outcomes; sharing of proceeds subject to future contractual/legal agreements
- Identification of common barriers and **collaboration on their resolution**
- Access to resources of the **International Council for Local Environmental Issues**



Potential Initiatives

Fleet Electrification

- Listening Session for entities with large fleets
- Technical advising on equipment options and charging
- Life cycle cost analyses and finance planning
- Procurement collaboratives

Employee Emissions Reductions

- HR Workgroup on telecommuting & other commute solutions
- Employee outreach on benefits, options and financial incentives
- Financing Programs for EVs
- Webinars and advising on workplace charging



How the Corridor Council Can Help

Place a Corridor Council
Representative on the
Advisory Committee

Adopt the Electric
Transportation South Central
Compact as a Sponsored
Project

Become a Sponsoring Partner
with TxETRA



TxETRA

ETC

ELECTRIC TRANSPORTATION

COMPACT

SOUTH CENTRAL TEXAS

