In 2005 a number of publicly owned electric utilities realized their sales were declining with more efficient appliances and houses.

They began to look for ways to increase electric sales—and began to look at electric vehicles.

They put together 13,000 soft orders and 5 years later the Volt was on the street.

Today there are 18 companies making 38 models of electric cars

- By 2022 Ford Motor Company will roll out 16 fully electric cars within five years, the first of which would arrive in 2020.
- GM has said it plans to roll out at least 20 new electric cars by 2023.
- There are 7 electric HD trucks and 8 models that have been announced.

Let’s set aside $100 million to pull new zero emissions technologies into the market in 5 years.
By 2030 More Electric vehicles will sold than ICEs

- Electric vehicles (EVs) will cost less than internal combustion engines (ICEs) between 2022 and 2025.
- The *majority* of vehicles sold in the U.S. by 2029-2040 will be electric vehicles (EV)
- 6.2 million electric vehicles will be sold annually in Texas in 2033 and 21.3 million electrified vehicles will be on the road by 2033 in Texas.
- 10.5 million autonomous vehicles will be on the road by 2035 in Texas
Will Electric Vehicles be Built in Texas?

Will GM Beat Tesla To Market For An Electric Pickup Truck? Will Toyota play?

- Manufacturers such as Toyota, GM, and Peterbilt have manufacturing already located in Texas. A sufficient number of bulk orders could induce them to begin manufacturing electric versions of their heavy duty vehicles in Texas.

- Electric vehicle components are already being manufactured here:
  - electric motors and batteries by Toshiba and Actacell
  - KLD systems controllers,
  - variable speed transmissions by Turbo-Track-Systems.
Using VW funds as an investment can create a market for new electric technologies, create local jobs and reduce ozone by 75%.

Set aside $100 million for five years and fund new Texas manufactured zero emissions technology.

10,000 vehicles at $10,000 per incentive

For examples:

- **Autonomous electric passenger shuttles or delivery trucks**
  Why not build “Last Mile” shuttles here?
  Or delivery vehicles on similar chassis

- **Batteries**
  - Goodenough II
  - Toshiba vehicle batteries made in Houston

- **Electric vehicles engines at** Toyota, GM or Peterbilt

Tom “Smitty” Smith - citizen.smitty@gmail.com
We created the nation’s largest renewable energy boom and reduced electricity costs

Texas now leads the nation in wind production

- More than 21,000 MW of wind
- Wind Industry Employment: 22,000
- Wind Manufacturing Facilities: 40

Solar is expected to grow

- from 14,500 megawatts (MW) to 28,100 MW by 2031

We created the Texas Emissions Reduction Program and reduced diesel pollution

- Spent of $1 billion
- Replaced 17,692 old dirty diesels
- Reduced 171,945 tons of NOx
- At a fraction of the cost of adding top of the stack emissions controls at industrial facilities

Data AWEA Texas state facts
ERCOT LTSA Dec 2016

Biannual TERP report

Tom 'Smitty' Smith - citizen.smitty@gmail.com
Together We Can:

- Create a vision for a cleaner future
- Make big emissions reductions
- Set tough but attainable goals for using VW funds
- Set tougher 5 year goals
- Do bulk buys to reduce costs
- Work to lure new manufacturers and create jobs to Texas

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