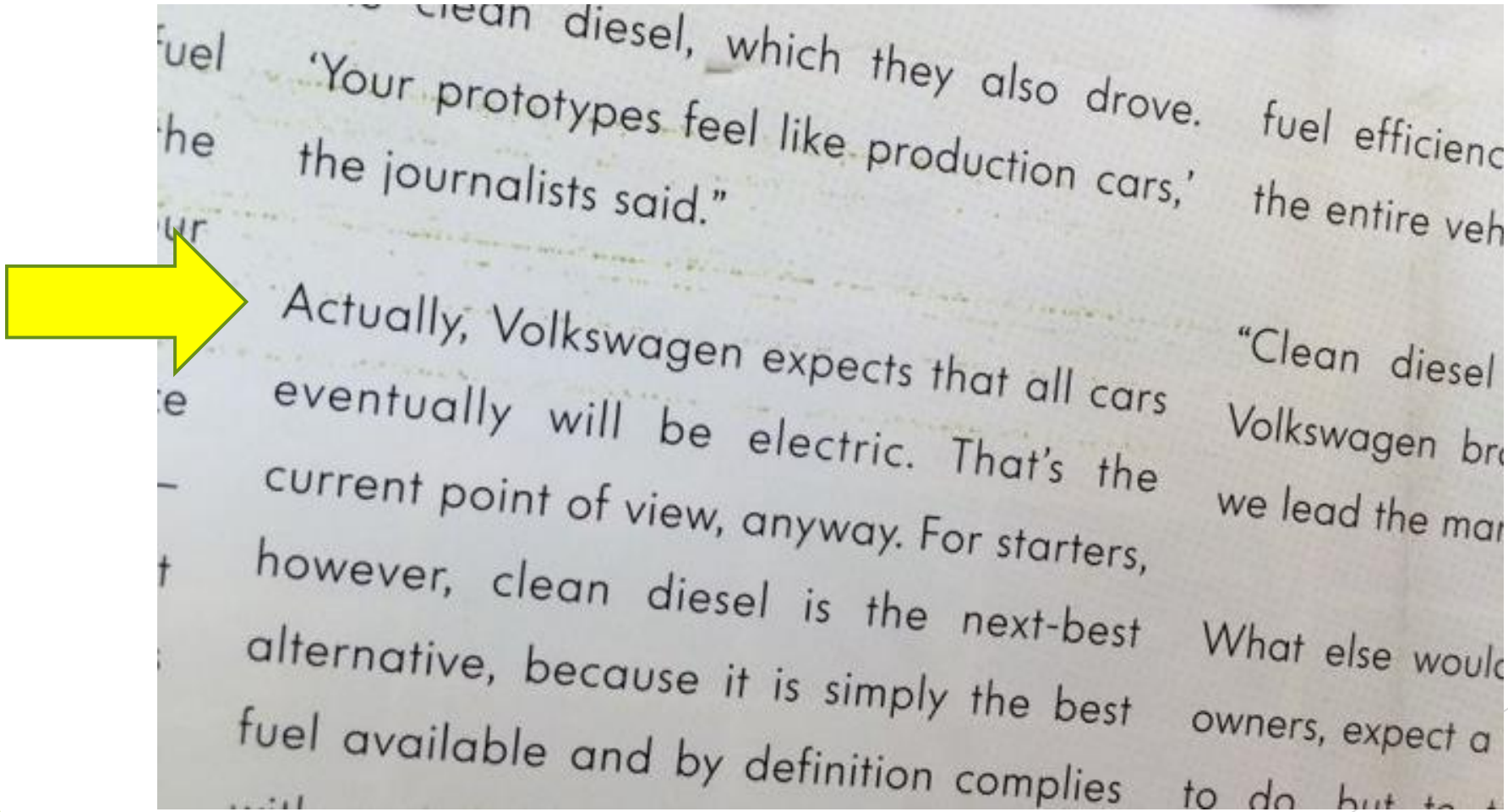
The Gasoline-Powered Automobile Is Obsolete

Electric Drivetrains Simply Make the Most Sense and Are Now More Practical and Affordable for Cars & Trucks

Volkswagen said as much back in 2007:

(from the Spring/Summer 2007 issues of "VW Driver")



clean diesel, which they also drove. fuel efficienc

uel 'Your prototypes feel like production cars,' the entire veh

he the journalists said."

ur

Actually, Volkswagen expects that all cars "Clean diesel

e eventually will be electric. That's the Volkswagen br

current point of view, anyway. For starters, we lead the mar

t however, clean diesel is the next-best What else would

alternative, because it is simply the best owners, expect a

fuel available and by definition complies to do but to t

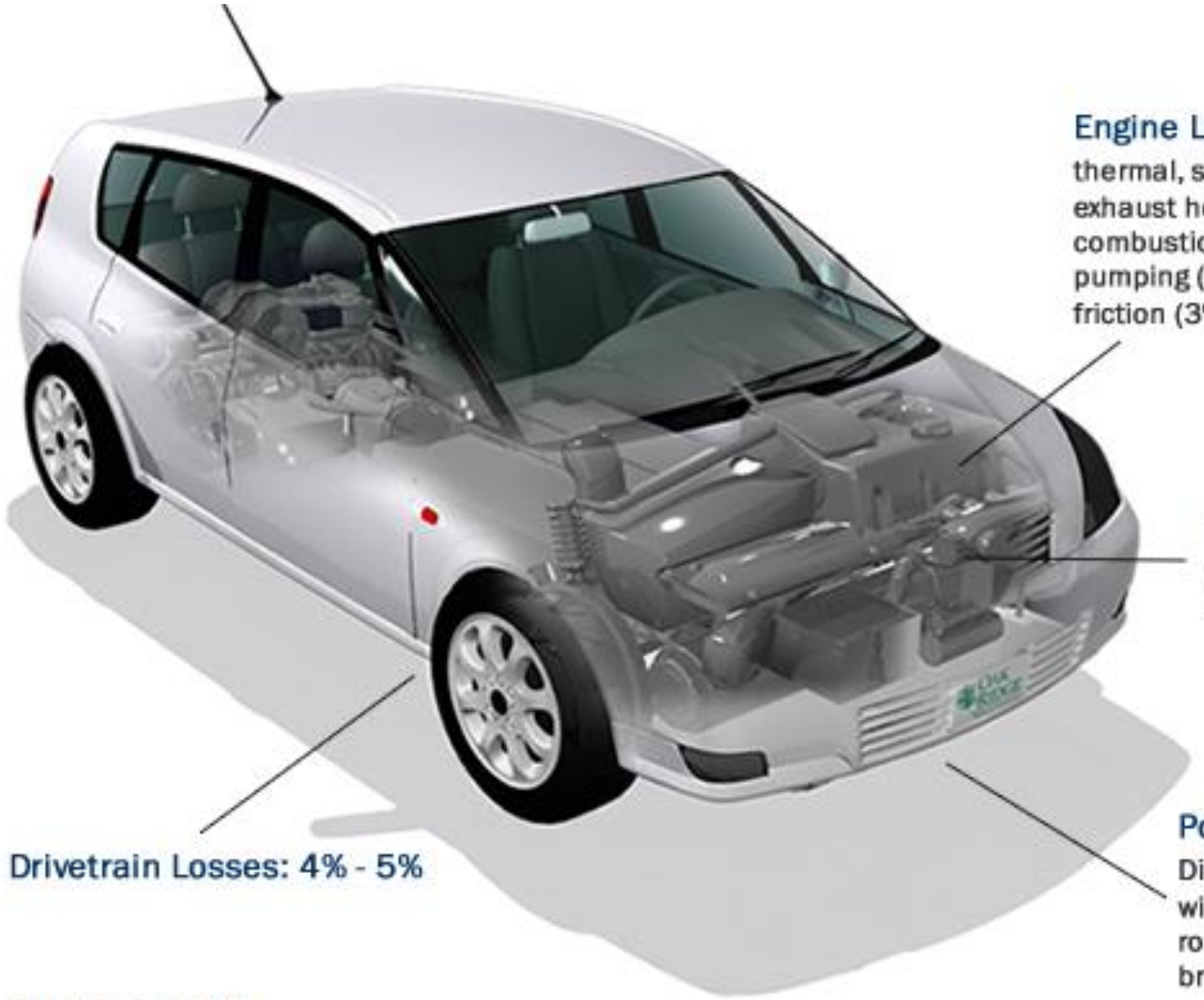
What's the Carbon Footprint of EV's vs. Gas-Powered Cars?

Aren't Electric Cars Just Burning Coal Instead of Gasoline?

Less than 20% of the Power in Gasoline Goes to Propel the Vehicle.

Electric Cars are 90% efficient

90% of the energy used goes to powering the wheels



Engine Losses: 71% - 75%
thermal, such as radiator, exhaust heat, etc. (60% - 64%)
combustion (3%)
pumping (5%)
friction (3%)

Parasitic Losses: 5% - 7%
(e.g., water pump, alternator, etc.)

Drivetrain Losses: 4% - 5%

Power to Wheels: 14% - 20%
Dissipated as
wind resistance: (3% - 5%)
rolling resistance (3% - 5%)
braking (7% - 10%)

Idle Losses: 6%
In this figure, they are accounted for as part of the engine and parasitic losses.

www.FuelEconomy.gov

Slowing Down or Going Downhill, It Gets Worse…

Only Electric Vehicles Allow You to Recapture the Energy Used to Gain Speed or Climb Hills.

Case Study:
Regenerative Braking in My Tesla

8.9 Miles from Genesee Exit to I-70 to my office in Golden.

My Tesla generated 1.5 kWh of electricity, while the cars around me burned ~1 quart of gas.

Electricity is the ***only*** energy that you and I can create at home!

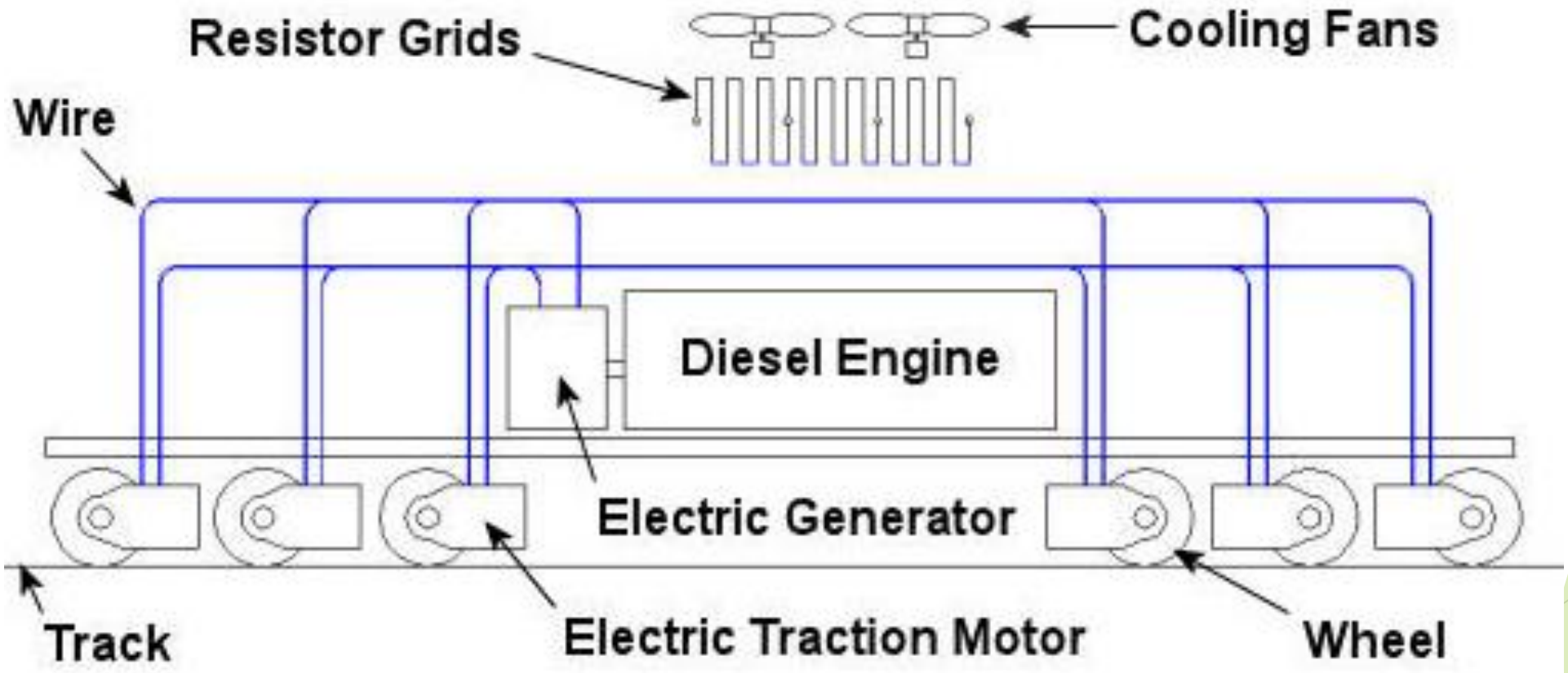
Today's Sustainability Model:

Put enough solar panels on your home to power your home and the car in your garage!

How Powerful Can Electric Motors Be?

Here's a powerful EV…

Here's How Diesel Electric Locomotives Work…



Do You Like Performance?

EV's instant torque has become legendary.

EV's Aren't New…

1915 Detroit Electric Car

What's New About EV's? The Batteries.

Let's Talk Affordability…

Electric Cars Are Already Affordable Because of Federal/State Tax Credits

$7,500 Federal tax credit
$5,000 Colorado rebate at purchase

And They're Getting More Affordable Every Year

2018 Nissan Leaf - $30,877
2018 Chevrolet Volt - $33,220
2017 Chevrolet Bolt - $36,620
2018 Ford Focus Electric - $31,075
2018 Kia Soul EV Wagon - $33,145
2017 Mercedes-Benz B250e - $46,075
2018 BMW i3 - $48,645
2017 Fiat 500e - $34,085
2017 Mitsubishi i-MiEV - $24,390
2018 Tesla Model S 75D - $74,500
2018 Tesla Model X 75D - $79,500
2018 Tesla Model 3 - $35,000

***Note*:**
These Tax Credits Are for Early Adopters – Be One!

EV's Cost Less to Operate

Fuel Cost per Mile

Electric Cars -- 4 cents *(or free)*

Gasoline Cars -- 10 to 30 cents

Don’t Forget Maintenance Costs!

Electric Cars -- negligible
Gasoline Cars -- 10 cents/mile (est.)

Tesla cars need less service than ICE cars. A standard ICE automobile has more than 2,000 moving parts. Tesla cars have 18 moving parts!

--Baron Funds' Sept. 30, 2014 Newsletter

10 Most Common Automotive Repairs:

1. Brake Work
2. Oil Changes
3. Coolant System
4. Tires
5. Ignition System
6. Electrical System
7. Fuel System
8. Transmission
9. Exhaust System
10. Air Conditioning System

Source: Autos.com

Not mentioned: Timing Belt -- Do you have a "favorite"?

The Three Most Common Gas/Diesel Engine Problems:

1. Engine Won't Start
    1. 12V battery failure
    2. Wiring or relay failure
    3. Fuel pump failure
    4. Dirty fuel filter
2. Check Engine Light
    1. Emission problem/oxygen sensor
    2. Loose or missing gas cap
    3. Spark plugs/distributor cap/electronic ignition
    4. Fuel quality issues
3. Overheating
    1. Faulty thermostat
    2. Kinked or broker radiator hose
    3. Low coolant level or coolant fan failure
    4. Defective radiator cap
    5. Dirty air filter
    6. Hot weather!

It Costs Less to Build an Electric Car

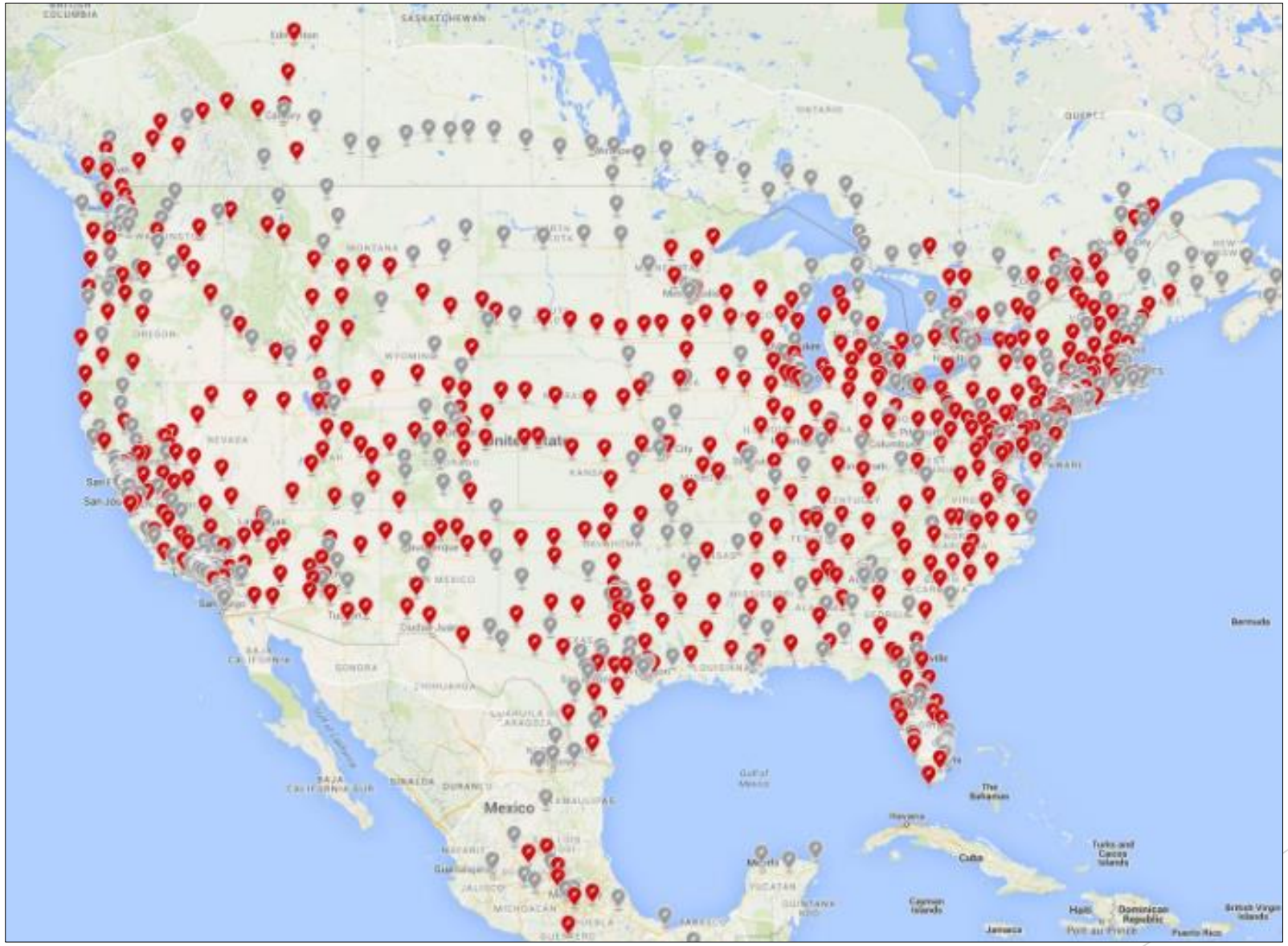
According to Der Spiegel, the components related to internal combustion engines represent nearly **half the cost** of building a conventional car. For a battery electric car, replace those costs with battery, electric motors and little else.

Here's what the 350-HP Tesla Motor Looks Like…

And here’s how you charge a Tesla at home….

Both Motor & Battery Come With an 8-Year, Unlimited Mileage Warranty

Tesla's Supercharger Network



Let's Talk Safety….

Many Crash Victims Are Killed by Fire

Would You Rather Be in the Red Tesla or the Black Mercedes?

Carbon Monoxide?
Not With an Electric Vehicle

My Advice to Americans:

Don’t buy a new gas-powered car. If the type of vehicle you want is not available today, it will be within 5-10 years at most.

Can't Afford a New EV?

Used EVs are a super deal & a smart buy!

2015 Nissan Leaf - $11,569 (Boulder Nissan)
2015 Chevy Volt - $15,061 (Emich Chevrolet)
2017 Chevy Bolt - $27,727 (Cargurus.com)
2013 Tesla Model S - $39,494 (Trucar.com)

Other Countries Are Further Along in the Manufacture and Adoption of Electric Vehicles

www.facebook.com/vehiculos.electricos.7

vehiculoselectricos@yahoo.es


SCHOOL BUS
ZEV
9
SMITH
The Power to Change
KINGS CANYON


FritoLay
Good fun
100% powered
by electricity
FritoLay
FritoLay
McDonald's
Restaurant
OPEN 24 HOURS
TIMES SQUARE
INFORMATION
CENTER
SMITH

This 100 Percent Electric Eighteen-Wheeler Just Hit The Road In Germany

BY **ARI PHILLIPS** JUL 9, 2015 12:49PM

CREDIT: COURTESY OF BMW

Coming in 2020 – Nikola One semi

320 kWh Lithium Ion battery with Hydrogen Fuel Cell to generate electricity (for range extending)
1,000 hp delivered by 6 electric motors and 2-speed transmission
800 to 1,200 mile range
Can also charge battery by plugging in
Made in America; factory site not selected yet
Company will begin building network of hydrogen charging stations in 2018; truck delivery expected to begin in 2020


中国航天
100% ELECTRIC CAR
FOB U$4.500 TO U$9.000
vehiculoselectricos@yahoo.es

Pure Power
Extreme Efficiency

100% Electric. Zero Emissions.

No hay nada como un camión verde o una van verde. Estos vehículos eléctricos de baja velocidad definen dónde se dirige la industria. Como siempre con eco-amabilidad de los Vehículos Verdes, el destino es el mismo - la tecnología innovadora con lo último en seguridad, comodidad y rendimiento.

RENDIMIENTO Un cepillo de 3 fases motor de inducción eléctrica de CA con un montón de torque construido para un rendimiento y durabilidad. Frenos de potencia que permiten que el conductor haga una parada rápida. Estos vehículos eléctricos están equipados con componentes de alta calidad en un chasis totalmente de acero y el cuerpo que recibe un spray de imprimación para disuadir el óxido.
COMODIDAD Son vehículos amplios de baja velocidad que ofrecen la función de primera clase, el confort y el estilo como los asientos contorneados totalmente ajustables. Un montón de espacio para la cabeza y las piernas se combinan con una serie aparentemente interminable de configuraciones de carga / pasajeros. La cabina totalmente cerrada protege a los conductores de los elementos y es tranquilo y confortable.
SEGURIDAD Comprenden de 3 cinturones con puntos de seguridad delanteros, parabrisas de vidrio laminado de seguridad, componentes de la suspensión de servicio pesado, una distancia entre ejes grande con un marco de alta resistencia escalera, faros, luces traseras, faros antiniebla, intermitentes y luces de emergencia.
AHORRO Y EFICIENCIA Baterías libres de mantenimiento y las comodidades de un vehículo totalmente equipado. Puede que nunca comprará gas de nuevo!


100% Eléctrica
ELECTRIC
ELECTRIC

Tesla Makes a Terrific Police Car

Also a Great Taxicab…

Tesla Model S automobiles are used as taxis in Vienna.

There are 167 Tesla Model S taxicabs in service at the Amsterdam airport.


BABYLON
BROTHERS
EL 23263
OsloTaxi

What Are You Waiting For?

Electrics Cars Are:

* Powerful & Safe
* Cheap to Operate
* Even Cheaper to Maintain
* Drive Train Warranteed for up to 8 Years
* Can Be Fueled for Free at Home or Work and on Long Trips
* Will Have Great Resale Value