Results Washington

SUSTAINABLE ENERGY & A CLEAN ENVIRONMENT

Clean Transportation

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DEPARTMENT OF ECOLOGY
State of Washington

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RESULTS WASHINGTON

Goal 3: 1.1

REDUCE TRANSPORTATION RELATED GREENHOUSE GAS EMISSIONS FROM 43.6 MILLION METRIC TONS PER YEAR TO 37.5 PER YEAR (1990 LEVELS).

1 MILLION METRIC TONS OF CARBON POLLUTION IS EQUIVALENT TO ...

ANNUAL GREENHOUSE GAS EMISSIONS FROM

210,526

passenger vehicles.

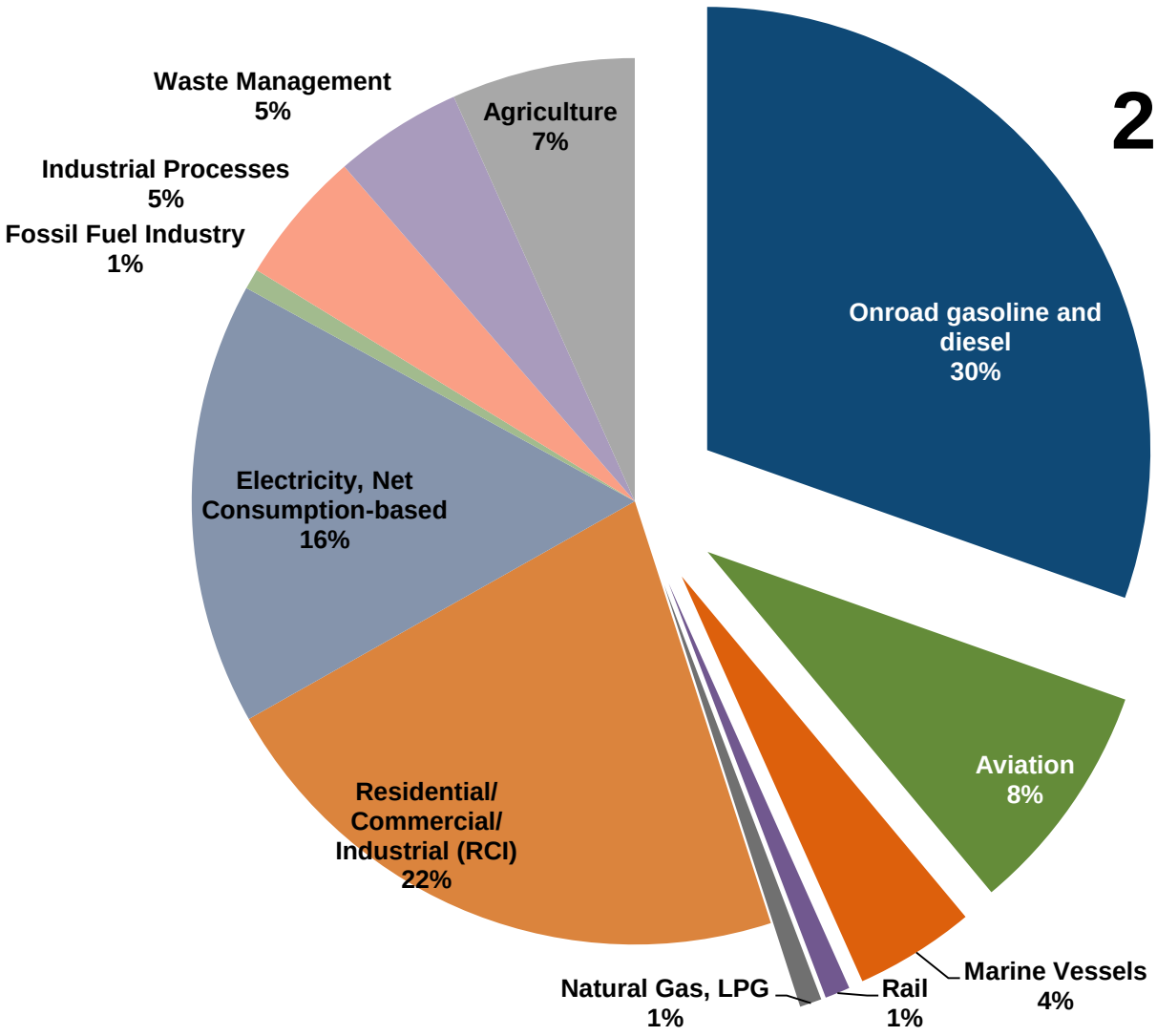
112,523,911

gallons of gasoline.

Onroad vehicles

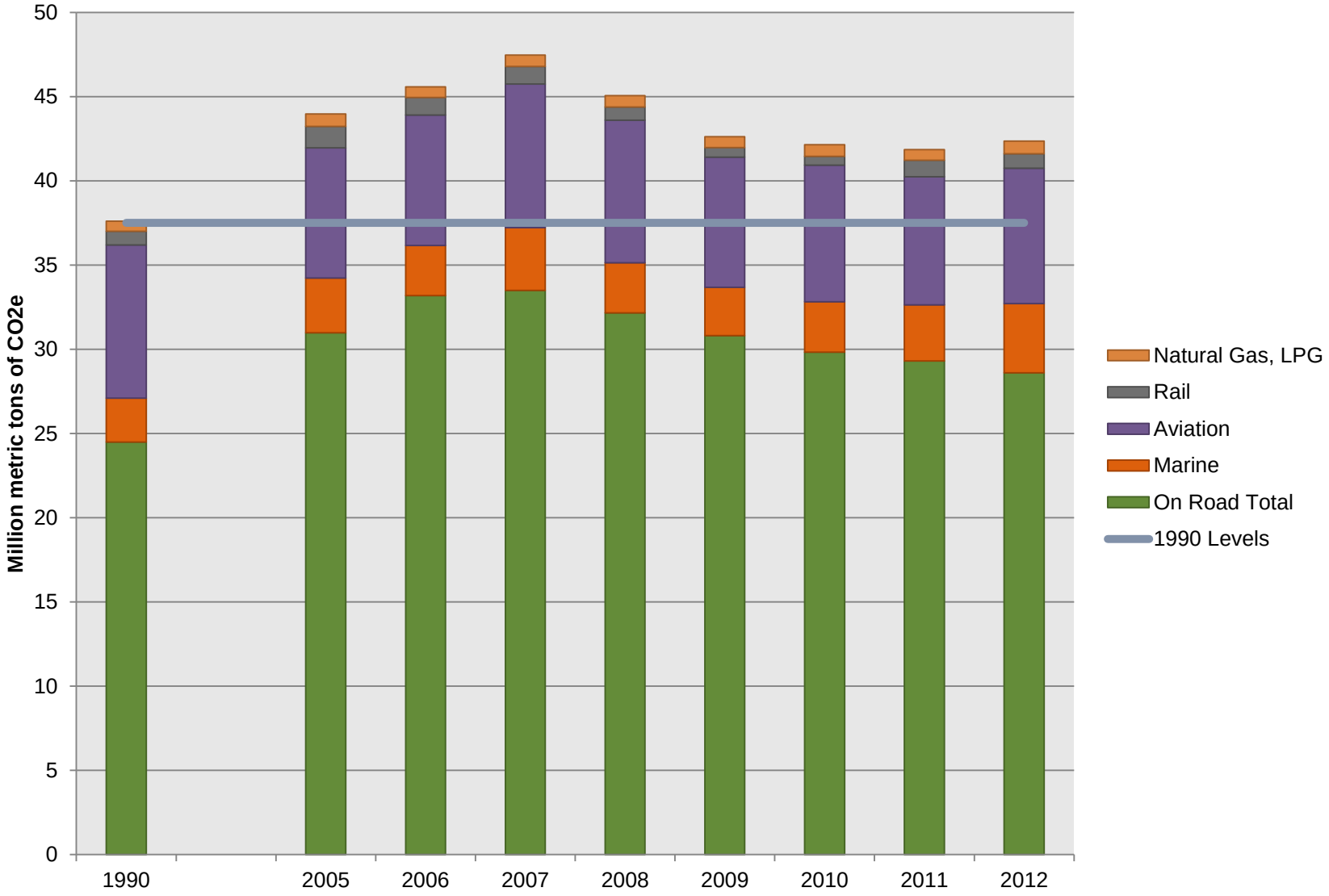
are our largest source of greenhouse gas pollution from transportation

SOURCES OF GREENHOUSE GAS EMISSIONS

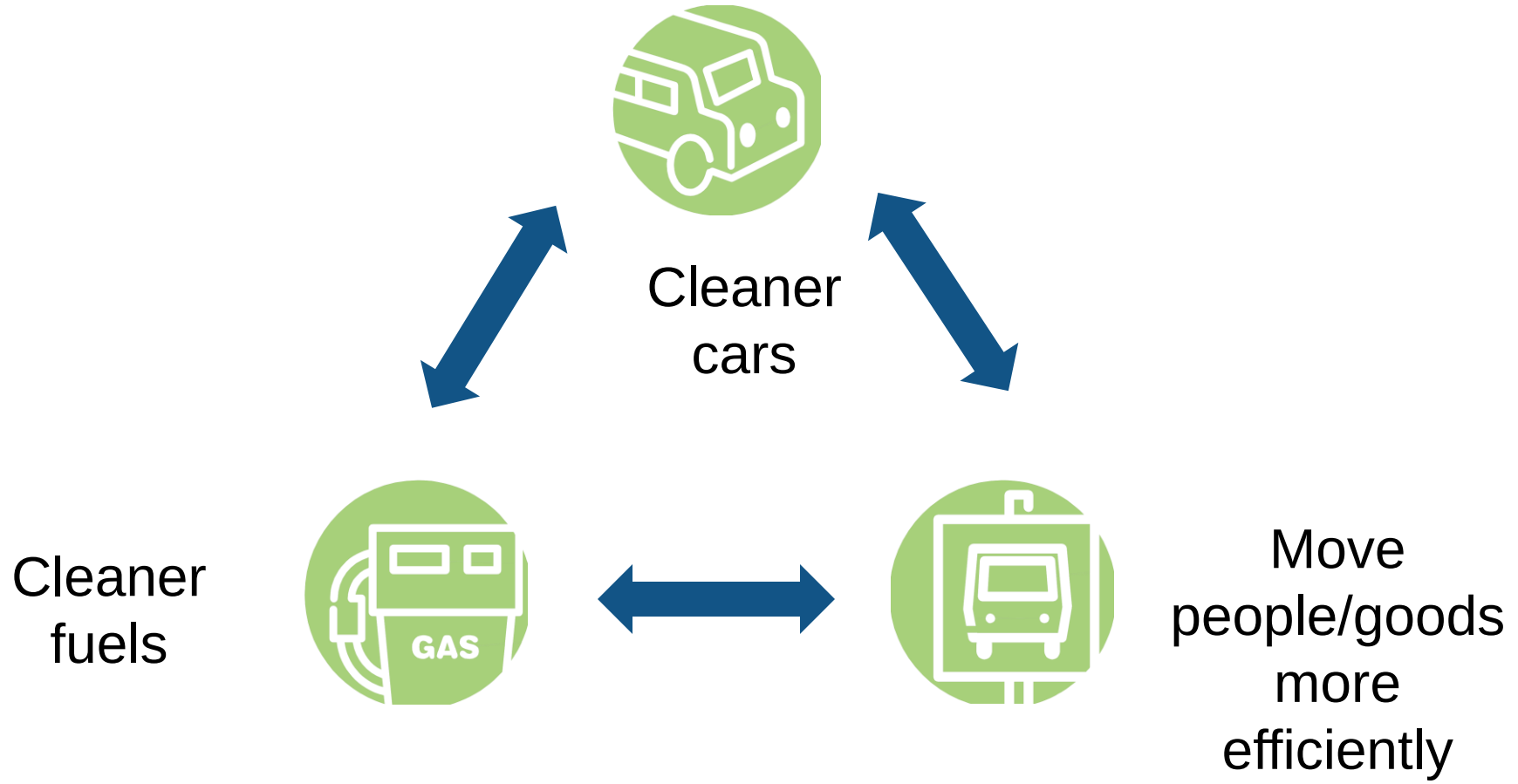


2012 data

HOW WE'RE DOING



MULTIPLE STRATEGIES



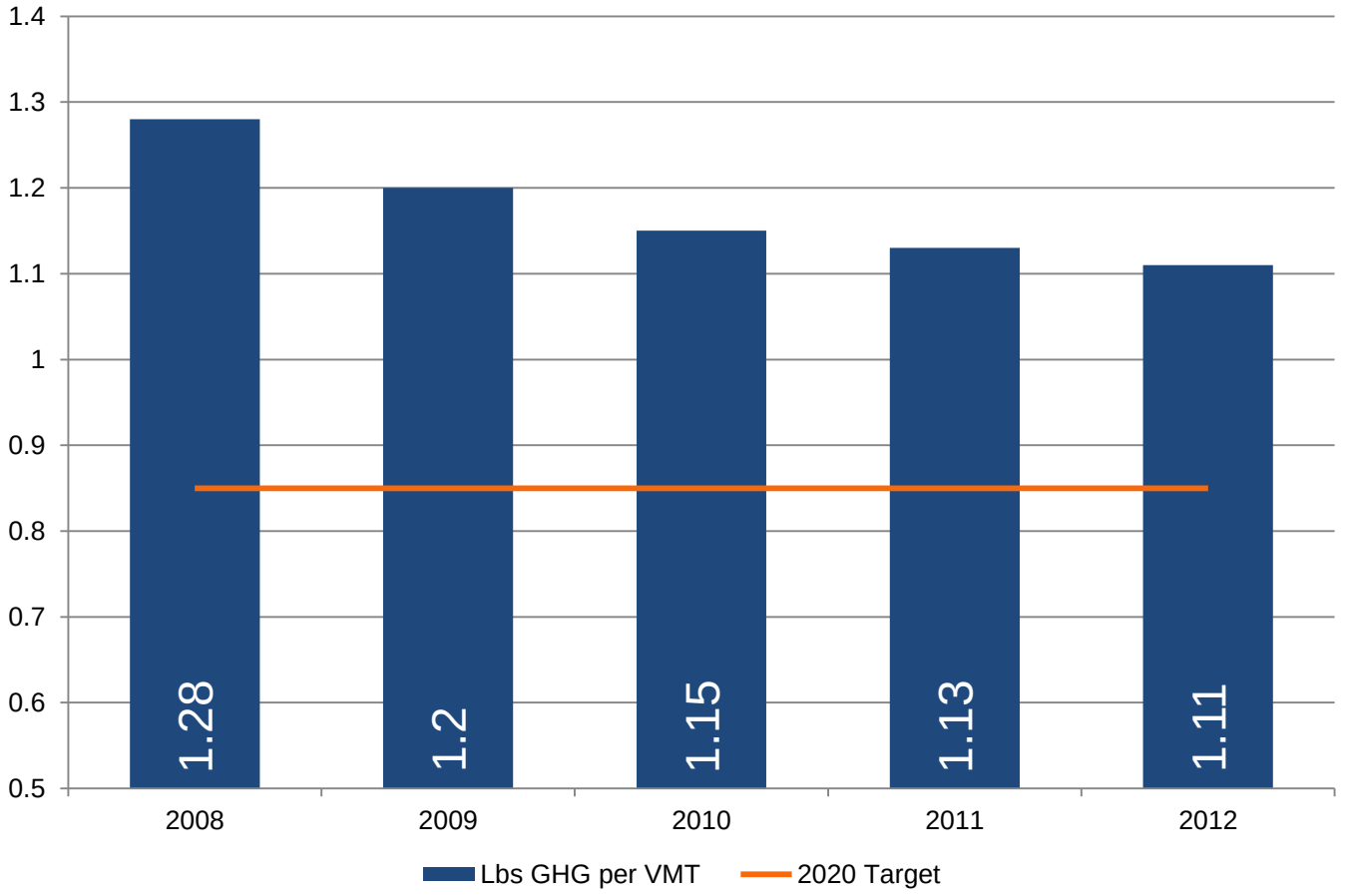
RESULTS WASHINGTON

Goal 3: 1.1.a

REDUCE THE AVERAGE EMISSIONS OF GREENHOUSE GASES FOR EACH VEHICLE MILE TRAVELED IN WASHINGTON BY 25% BY 2020.

HOW WE'RE DOING

Pounds of greenhouse gas pollution per vehicle mile traveled



STRATEGIES

Incentives to encourage smart growth and development of livable communities.

Improvements in transportation system efficiency.

Promote alternative modes of travel.

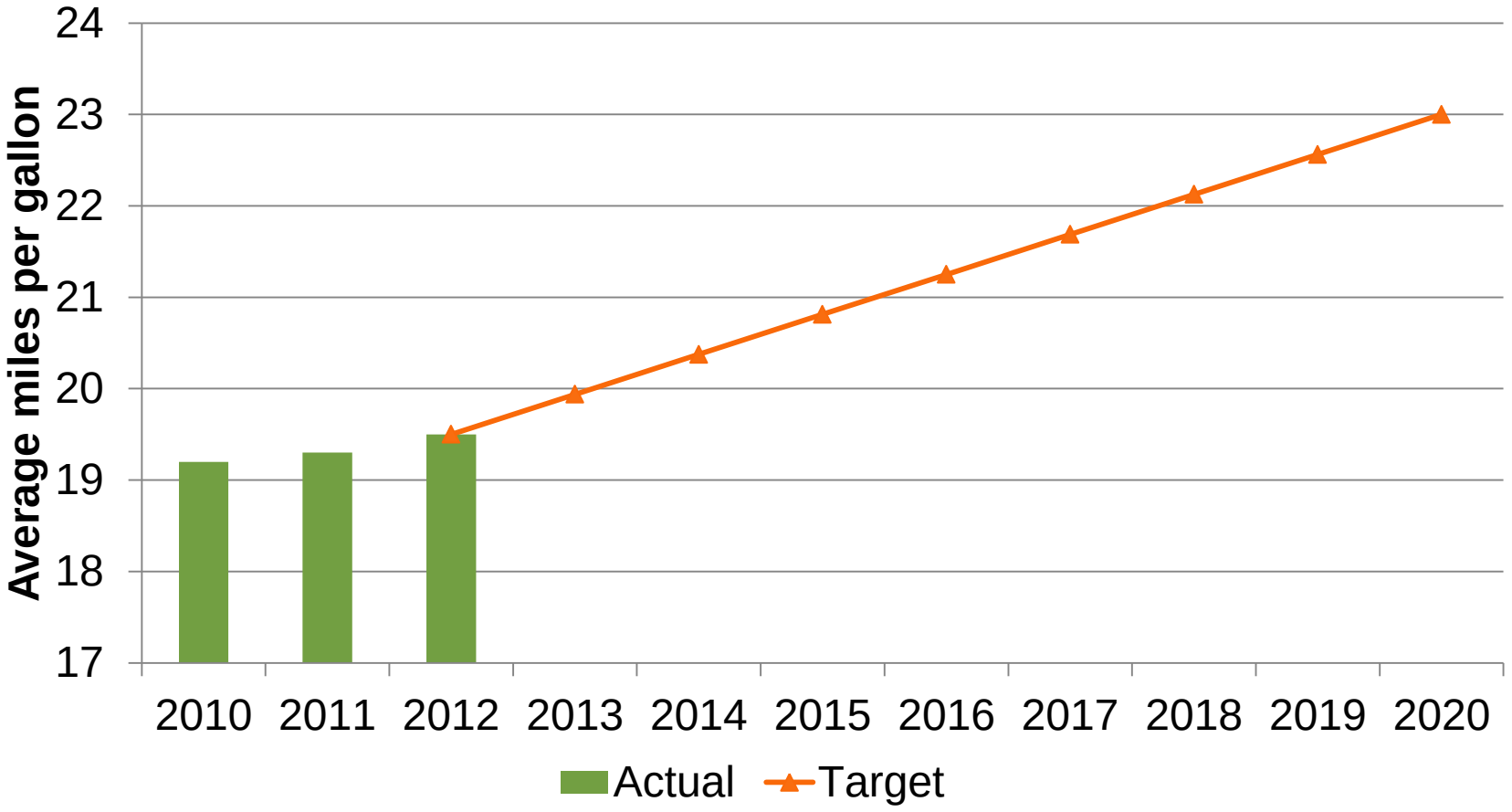
Transportation planning and funding.

RESULTS WASHINGTON

G3: 1.1.b

INCREASE THE AVERAGE MILES TRAVELED PER GALLON OF FUEL FOR WASHINGTON'S OVERALL PASSENGER AND LIGHT DUTY TRUCK FLEET FROM 19.2 MILES PER GALLON IN 2010 TO 23 MILES PER GALLON IN 2020.

HOW WE'RE DOING



WASHINGTON CLEAN CAR STANDARD

All new cars purchased in Washington since 2009 must meet the standard.

FEDERAL EFFICIENCY STANDARDS

Covers new passenger cars and light duty trucks.

Carmaker fleet average miles per gallon.

[34.1 in 2016]

[54.5 by 2025]

STATE AND LOCAL GOVERNMENTS

Publicly owned vehicles, vessels and construction equipment are required to be fueled with electricity or biofuel, to the extent practicable.

- State agencies by June 1, 2015
- Local governments by June 1, 2018

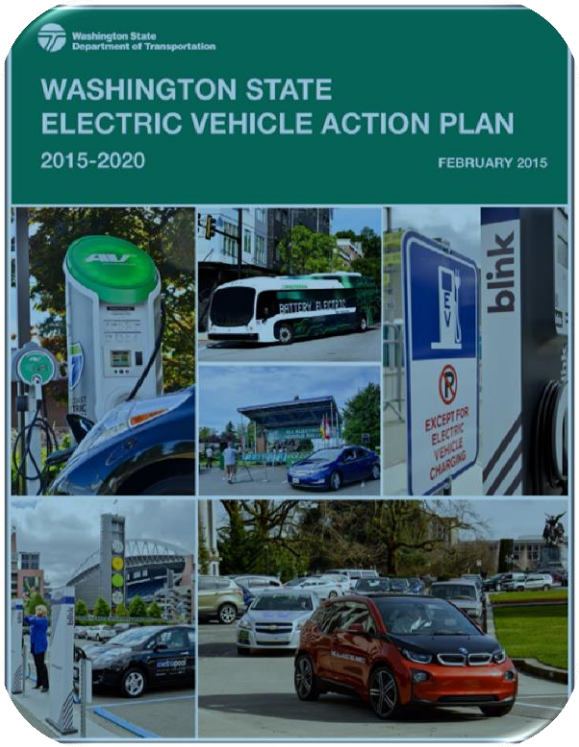
Since 2010, all new state vehicles must achieve an average fuel economy of 40 mpg for light duty passenger vehicles, and 27 mpg for light duty vans and SUVs.

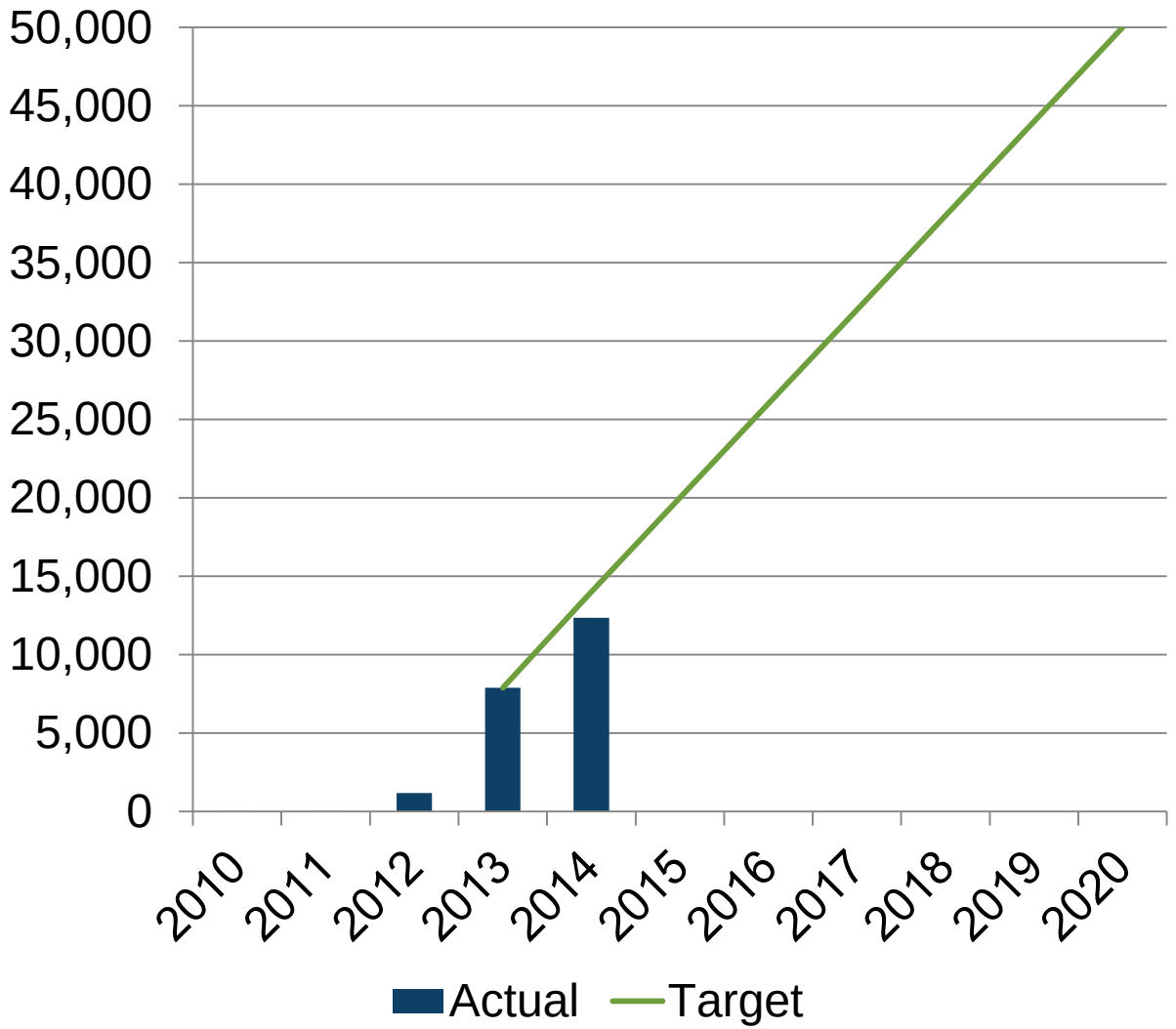
RESULTS WASHINGTON

Goal 3: 1.1.c

INCREASE THE NUMBER OF PLUG-IN ELECTRIC VEHICLES REGISTERED IN WASHINGTON FROM ~8,000 IN 2013 TO 50,000 IN 2020.

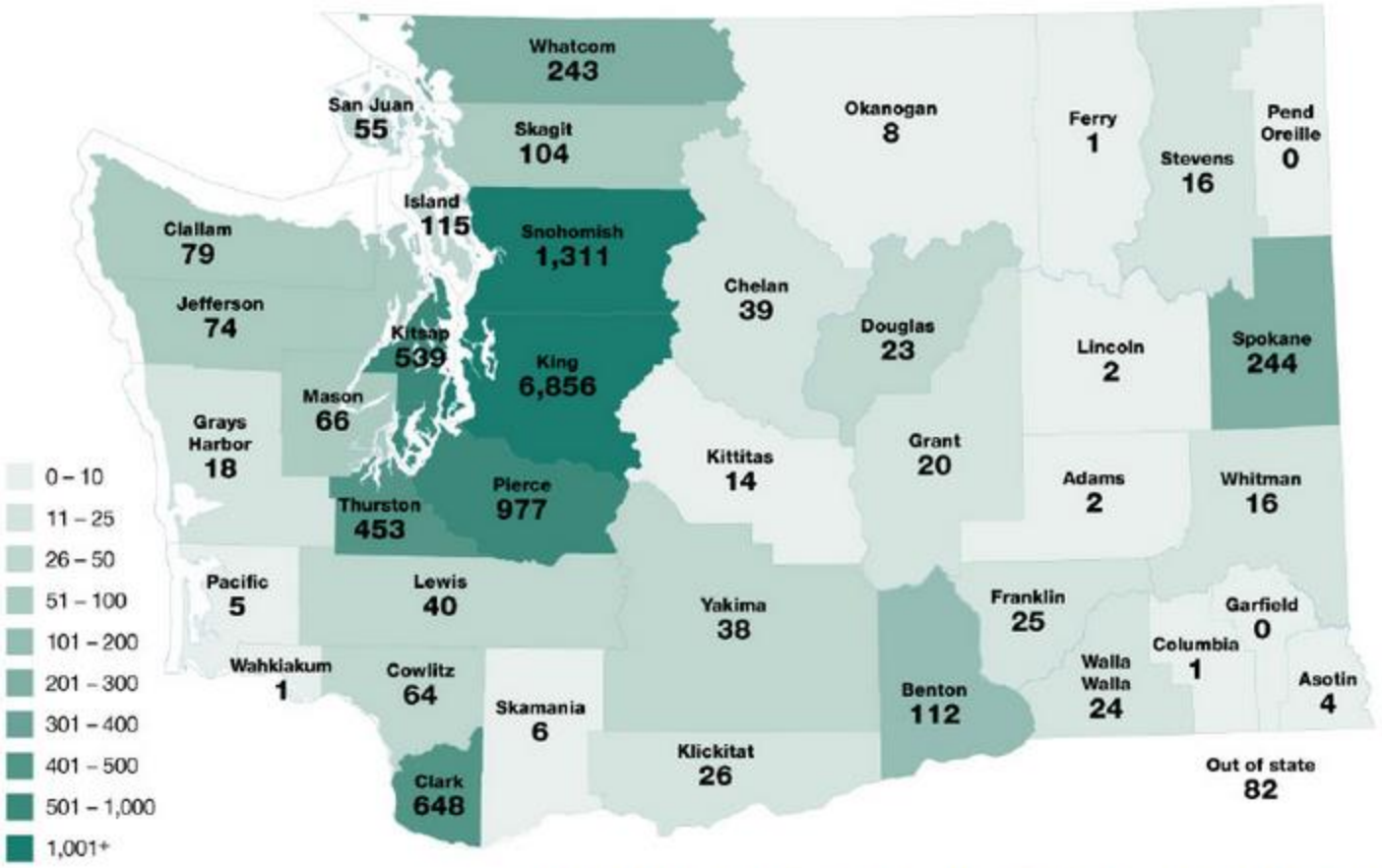
HOW WE'RE DOING





12,351 Plug In Electric Vehicles Registered in Washington

As of December 31, 2014



Map includes Electric Vehicles (EVs) produced by major automakers since about 2011. It does not include cars that were converted to EVs by their owners, neighborhood EVs or EV models from the 1990's that are still registered in Washington, or motorcycles. WSDOT created this map based on data provided by the Washington State Department of Licensing.

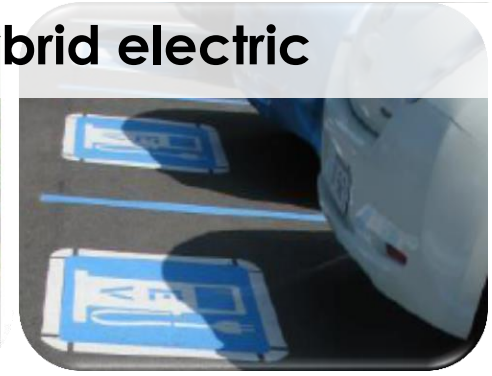
Washington State Department of Transportation

GREATEST OPPORTUNITIES TO REDUCE GREENHOUSE GAS EMISSIONS IN WASHINGTON

Plug-in electric

Plug-in electric

Plug-in hybrid electric



ELECTRIC VEHICLES SOLD IN WASHINGTON

- BMW i3
- Ford Focus Electric
- Mitsubishi i-MiEV
- Nissan Leaf
- Smart ForTwo Electric Drive
- Tesla Model S

PHEVs sold in Washington include:

- Cadillac ELR
- Chevrolet Volt
- Ford C-MAX Energi and Ford Fusion Energi
- Toyota Prius Plug-In

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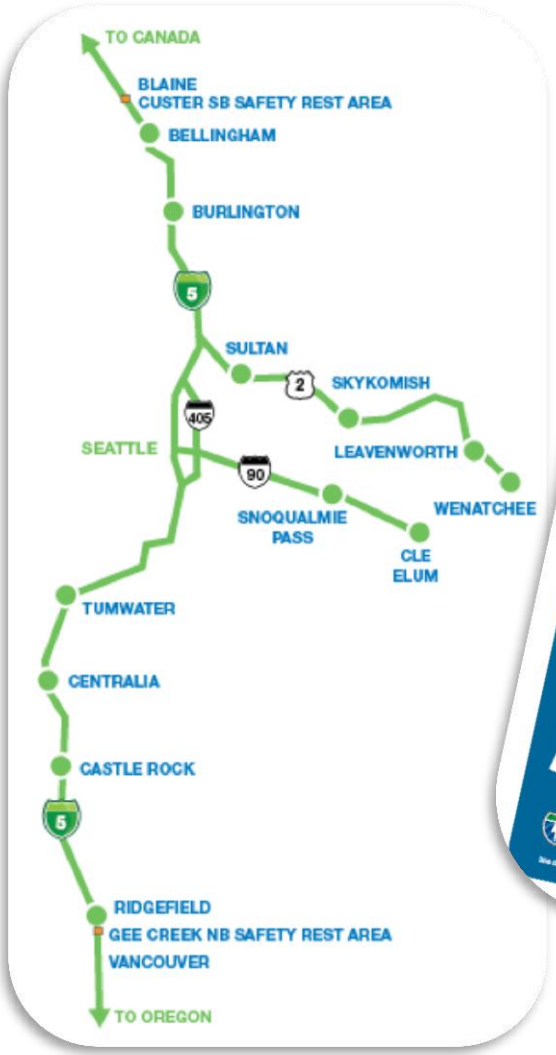
WASHINGTON'S EXPANDING FAST-CHARGING STATIONS



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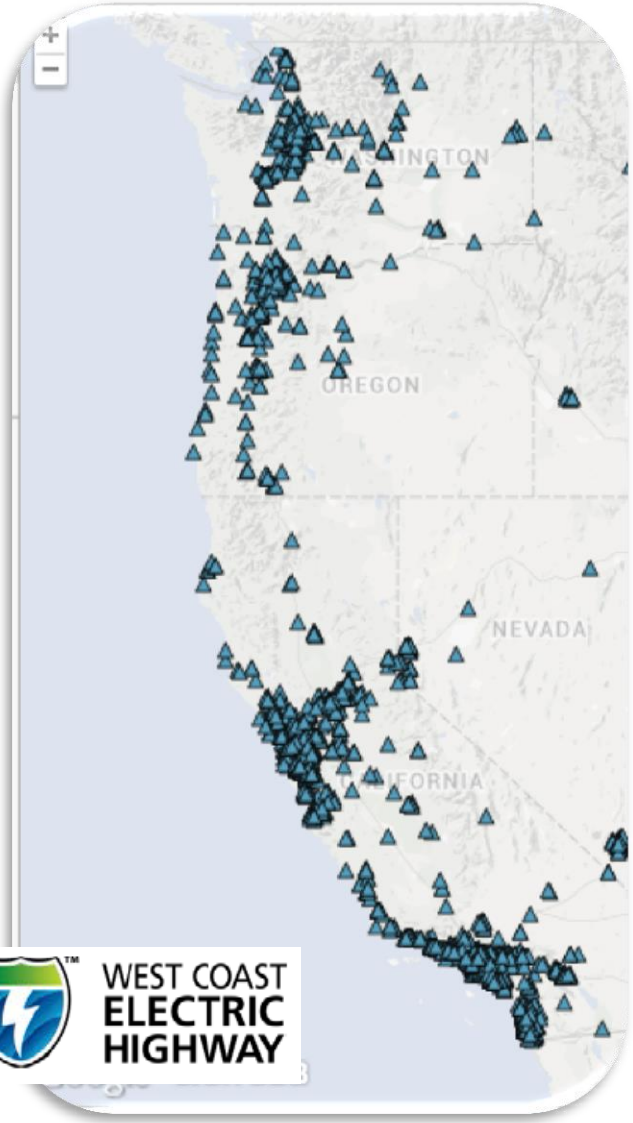
WEST COAST ELECTRIC HIGHWAY



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LEGISLATIVE & REGIONAL ACTIVITIES

Zero Emission Vehicles

Incentives

Infrastructure

Pacific Coast Collaborative