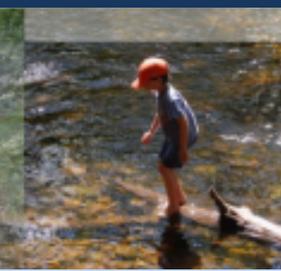
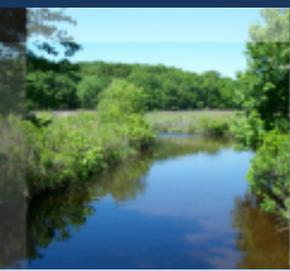
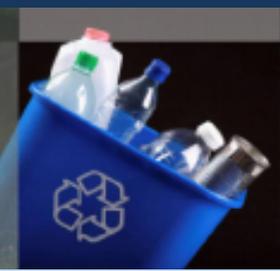




Connecticut Department of Energy and Environmental Protection



Connecticut Department of
**ENERGY &
ENVIRONMENTAL
PROTECTION**



Electric Vehicles and Connecticut

Paul Kritzler

August 3, 2015

Workplace Charging Workshop

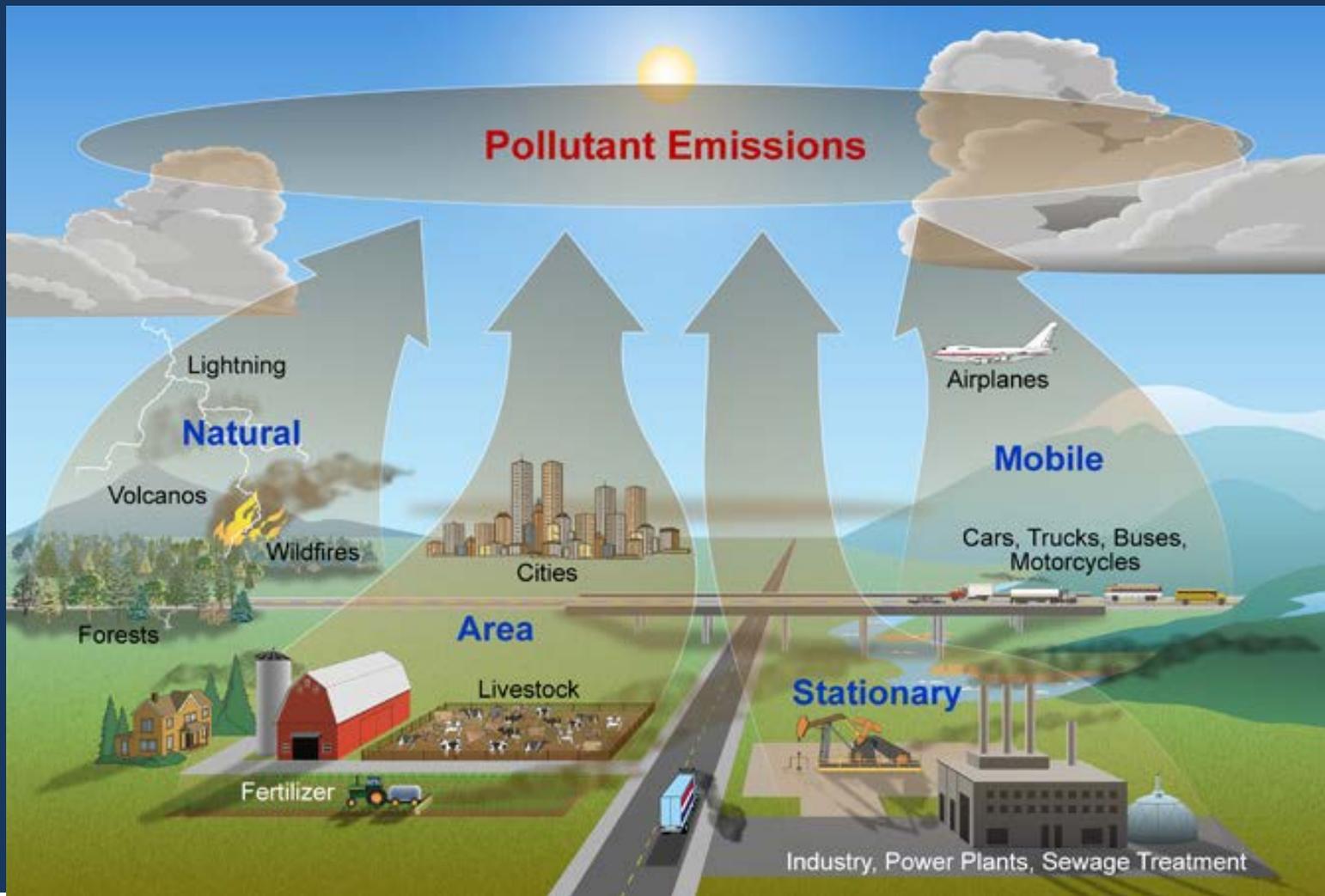


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DEEP Goals



Where Does Air Pollution Come From?



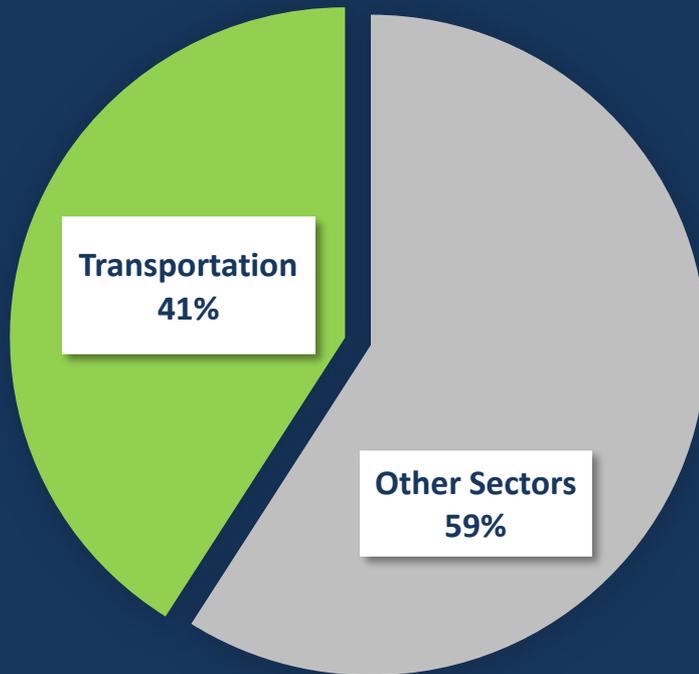
Source: National Park Service



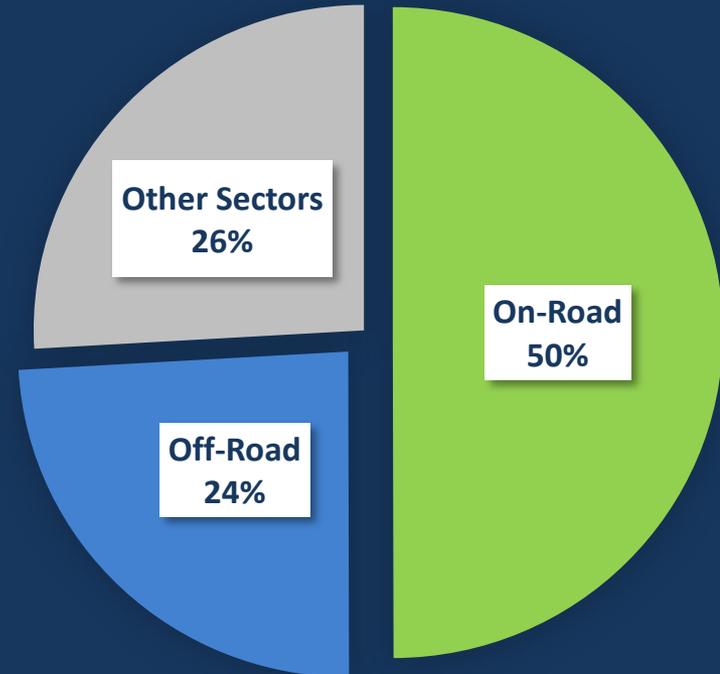
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Transportation Sector is the Largest Source of Emissions

2012 Annual CO2 Emissions by Sector (SIT)



2011 NOX Emissions (NEI v2)



Conventional vehicles are getting cleaner due to the Low Emission Vehicle program, but people are also driving more miles

(Connecticut Emissions)



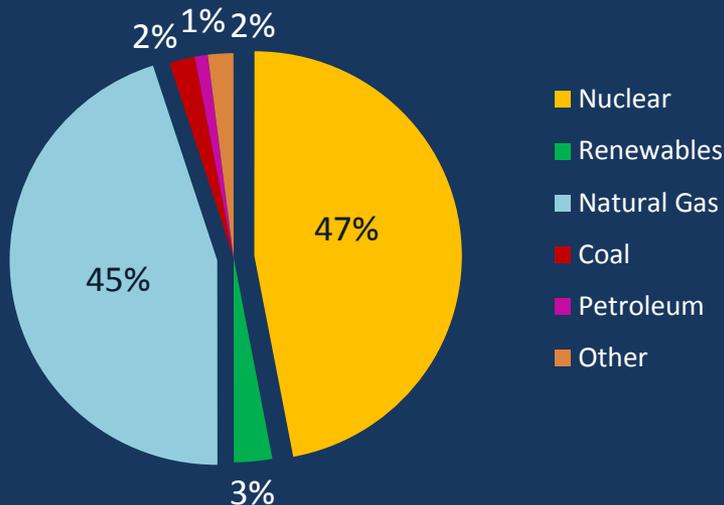
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Are electric cars cleaner?

Connecticut has the 5th cleanest energy production for CO₂ emissions in the country, making electric vehicles (EVs) significantly better for than environment than conventional vehicles.

(Comprehensive Energy Strategy, 2013)

Fuel Sources for Electric Power Generation in Connecticut in 2012 (EIA)



The CO₂e emissions of EVs are **lower in Connecticut** than the national average.



What Other Benefits Are There?

Economy

Cheaper Registration
\$7,500 Federal Tax Credit
CHEAPR Rebates
Less Maintenance
Energy Independence



Energy

Reduced Reliance on Foreign Oil
Energy Diversification
Further Energy Security

Quality

High Safety Ratings
Car of the Year Awards
Fun to Drive



DEEP EVConnecticut



Connecticut Department of Energy and Environmental Protection

Charging Infrastructure



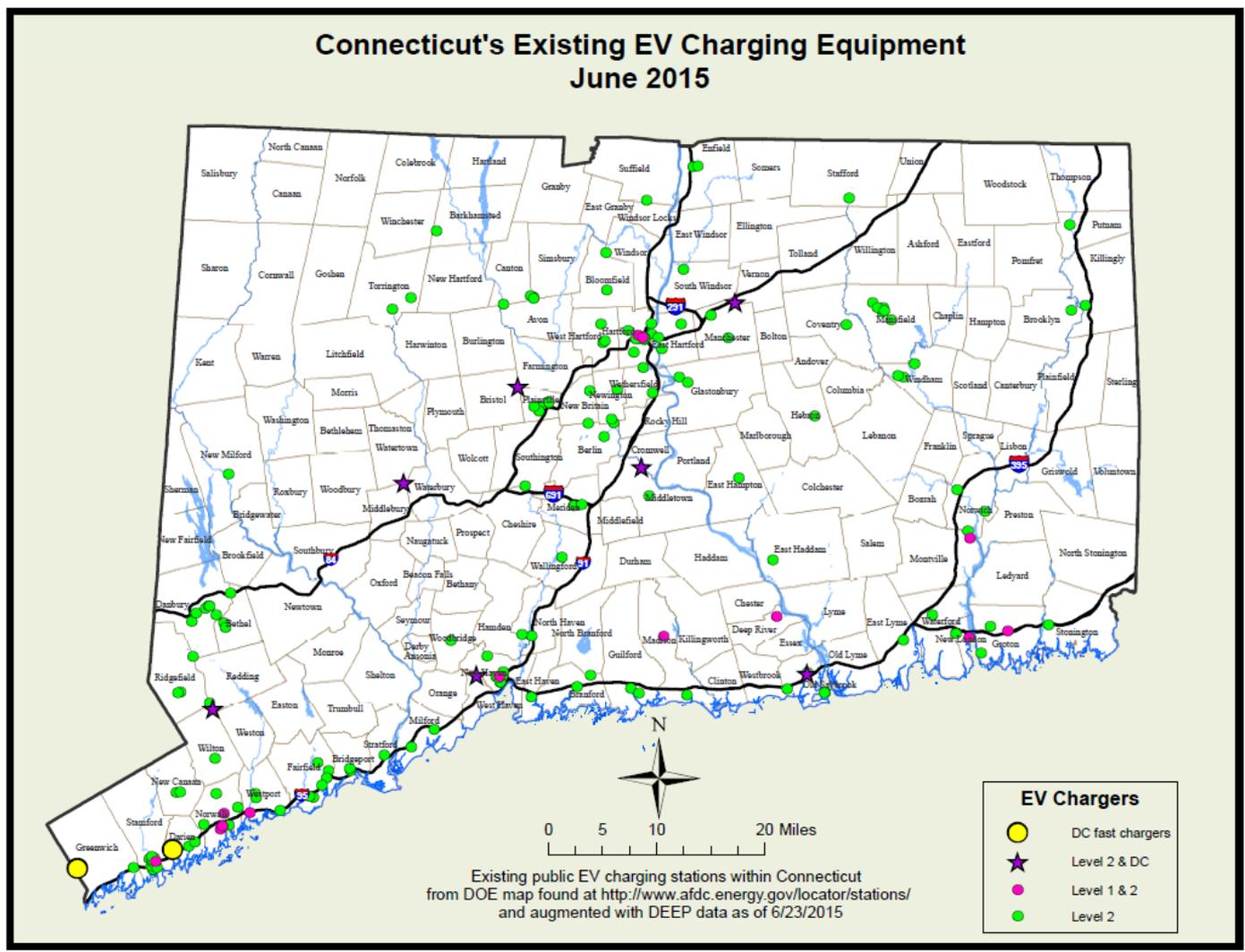
DEEP has administered **10** rounds of grant programs over the last three years to give money for the installation of charging equipment.

Interested in the next round? [EV Connecticut Website](#)



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Connecticut is Range Confident!



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Alternative Fueled Vehicles

Hyundai Tucson Fuel Cell



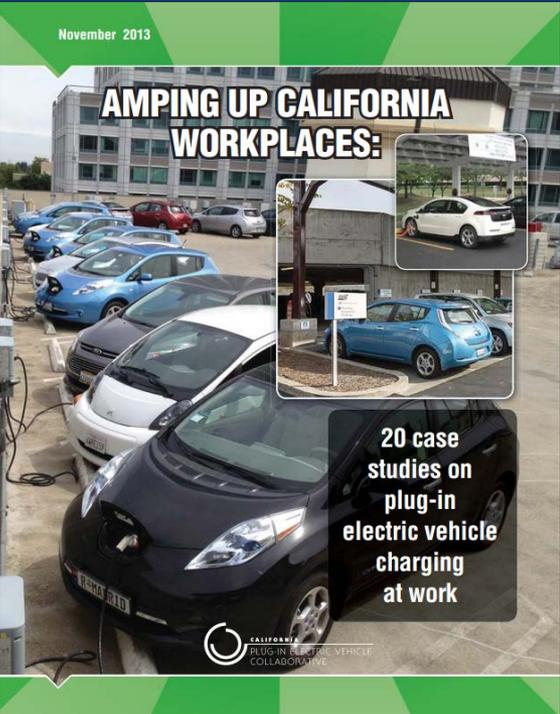
Toyota Mirai



\$3,000
Purchase Rebate



Workplace Charging Resources



ELEMENTS OF WORKPLACE CHARGING

Gain Support

1 Gain internal support within your company for workplace charging. Discuss the option of installing an electric vehicle charging station at your workplace with your company owner, manager, or human resource director.

Employer Benefits of Workplace Charging
PEV Handbook for Workplace Charging Hosts
Best Practices for Workplace Charging

Evaluate

2 Conduct an employee survey and a site electrical system evaluation. Keep in mind, employees may be hesitant now, but within the next few years there will be many more electric vehicles, charging stations, and advances in technology.

Sample Employee Survey
PEV Handbook for Electrical Contractors

Consider

3 Consider the costs of installing an electric vehicle charging station. Find out if your company is eligible for tax credits or grants for installing workplace charging.

Federal Tax Credit
EVConnecticut Incentives
IRS Fringe Benefits

Choose

4 Choose an appropriate charging system and explore the various models of electric vehicle charging stations.

Charging Station Basics
Plug-In America Accessory Tracker
Plugin Recharge! EVSE List

Install

5 Install the system. Be mindful of any legal siting and signage requirements. If you received a grant from DEEP, there are very specific siting and signage requirements for the program.

EVConnecticut Charging Resources

Establish

6 Establish internal procedures to determine the level of access employees have, priority scheduling, payments and system optimizations.

Charging Etiquette Tips
Payment Options
Financial Viability of Non-Residential Electric Vehicle Charging Stations



Questions?

Paul Kritzler
Environmental
Analyst

[Paul.Kritzler@
ct.gov](mailto:Paul.Kritzler@ct.gov)

860-424-3889



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