

Cars and Clean Trucks for CT!

January 18, 2024

Agenda

1. Welcome
2. Clean Car and Clean Truck Regulations Overview
3. Transportation Pollution and its Impact on Health and Environment
4. Environmental Justice
5. Q & A
6. Take Action

Community Agreements

- Engage with kindness and compassion
- Invite vulnerability AND respect boundaries, for yourself and each other
- Respect and honor different experiences
- WAIT (why am I talking, why aren't I talking?)
- Racism, misogyny, xenophobia, and hate will not be tolerated

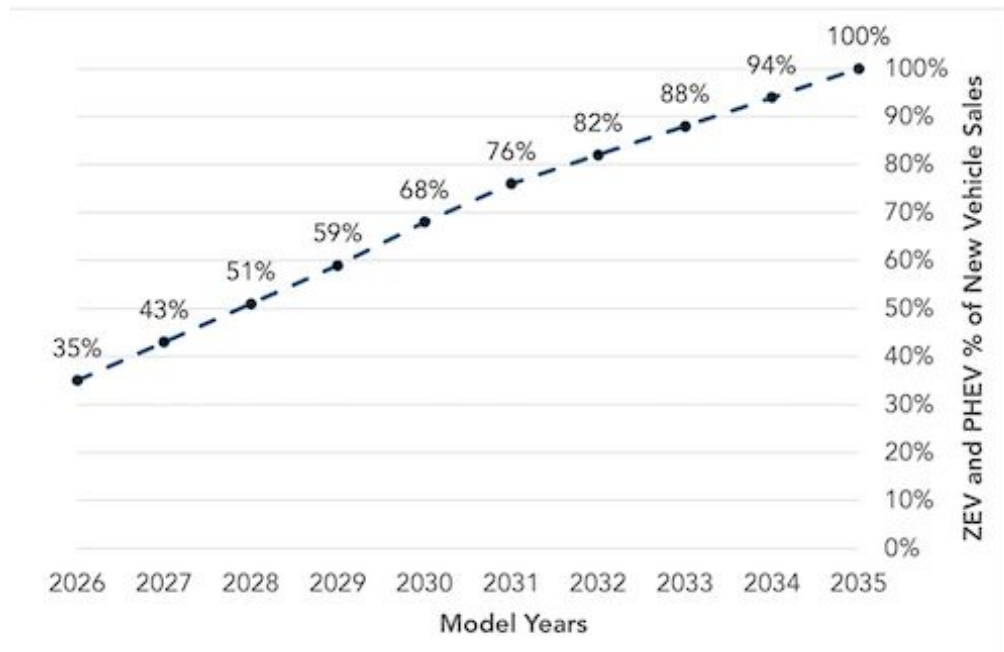
What are the Advanced Clean Car II (ACCCII) & Advanced Clean Truck (ACT) Regulations?

For cars, in 2035, 100% of new vehicles offered for sale must be 100% zero emission. New vehicles only. Used vehicles, which make up over 74% of vehicles purchased, are not impacted. For trucks 40-75% zero emission by 2035.

Require manufacturers to offer for sale an increasing percentage of new zero-emission vehicles.

Do not require anyone to purchase the vehicles. It is up to the manufacturer to make and offer for sale these vehicles.

% of New Car Sales Zero-Emission by 2035



Source: California Air Resources Board

% of New Truck Sales Zero-Emission by 2035



- Class 2b-3 trucks and vans: mini vans, cargo vans
- Class 4-6 rigid trucks: passenger vans, box trucks, delivery trucks
- Class 7-8 tractor trucks: freight liners, garbage trucks

Model year	Class 2b-3	Class 4-8	Class 7-8 Tractor
2024	5%	9%	5%
2025	7%	11%	7%
2026	10%	13%	10%
2027	15%	20%	15%
2028	20%	30%	20%
2029	25%	40%	25%
2030	30%	50%	30%
2031	35%	55%	35%
2032	40%	60%	40%
2033	45%	65%	40%
2034	50%	70%	40%
2035	55%	75%	40%

Source: NRDC

Momentum for Clean Cars & Trucks

Advanced Clean Cars II: 12 States and counting

California, Colorado, Delaware, Maryland, Massachusetts, New Jersey, New Mexico, New York, Washington, Oregon, Vermont and Virginia

Advanced Clean Trucks: 9 states and counting

California, Colorado, Massachusetts, New Jersey, New Mexico, New York, Oregon, Vermont, and Washington

Manufacturers have made commitments to electric vehicles

Inflation Reduction Act rebates

BENEFITS TO CONNECTICUT'S ECONOMY



Frequently Asked Questions

Vehicle choice
Affordability
Charging
Grid

A woman in a blue and black Amazon uniform and cap stands next to a black Amazon Prime delivery van, holding a cardboard box. The van has the Amazon Prime logo on its side. The background shows a grassy area and a body of water.

PRIMARY POLLUTANTS OF CONCERN

- OZONE
- PARTICULATE MATTER

CT'S AIR POLLUTION LEVELS VIOLATE THE FEDERAL
CLEAN AIR ACT STANDARDS FOR PARTICULATE MATTER
AND OZONE

OZONE (ground level) = SMOG

- **NO_x + VOCs + sunlight = OZONE/Smog**
- **NO_x and VOCs are products of burning fossil fuels**
- **Motor vehicles are a major source of Ozone pollution**
- **Ozone is a lung irritant, causes inflammation of airways**
- **Worsens or develops respiratory disease, like asthma, COPD**
- **Health impacts of long term exposure may be life threatening**

Source: [American Lung Association. State of the Air 2023. Health Impact of Air Pollution](#)

PARTICULATE MATTER (PM)

- **PM₁₀ Coarse** = particles from ash, smoke, pollen
- **PM_{2.5} Fine** = burning wood or fossil fuels, inc. gasoline, diesel
- **PM_{0.1} Ultrafine** = combustion of fossil fuels

- **Fine and ultrafine PM can filter down into air sacs in the lungs and be trapped, may filter into the bloodstream to other organs.**

- **PM_{2.5} or 0.1 can trigger illness, hospitalization, even death.**

- **PM_{2.5} is estimated to cause 48,000 premature deaths per year in the US. Older individuals are at higher risk of death even at levels below federal AQ standards.**



HARMFUL
EFFECTS OF
TAILPIPE
EMISSIONS

ASTHMA

RESPIRATORY DISEASES

LUNG DISEASE

HYPERTENSION

DIABETES

COVID

DIESEL EMISSIONS PUBLIC ENEMY NUMBER #1

FINE PARTICULATE MATTER



IDLING



Source: CT DEEP. *An Assessment of Connecticut's Need to Adopt California's Medium and Heavy-Duty Vehicle Emission Standards*
<https://portal.ct.gov/DEEP/Air/Mobile-Sources/Heavy-Duty-Vehicles>

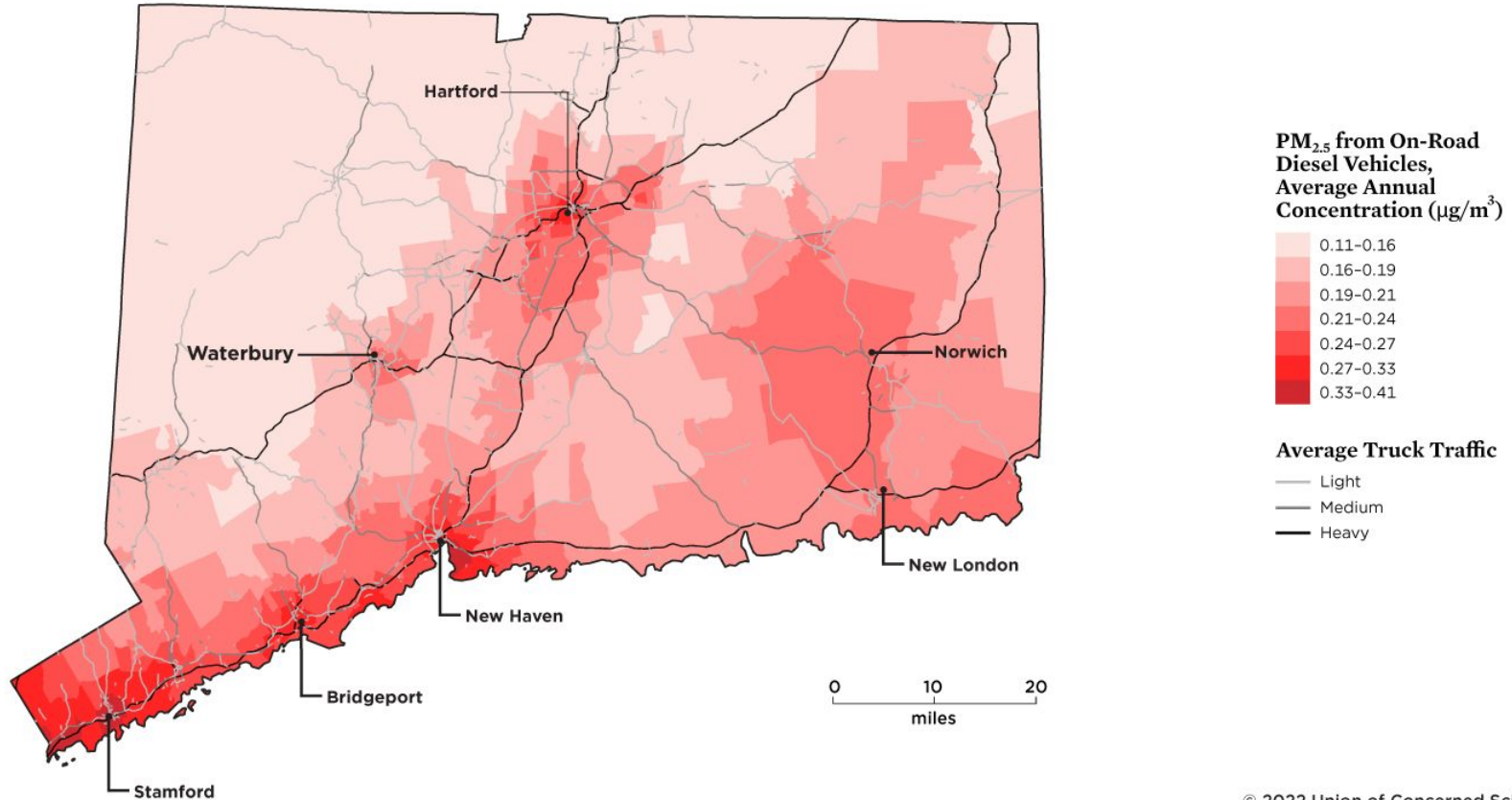
Public Health Benefits of adopting the ACT in CT (Cumulative through 2050)

- 65% reduction in NO_x
- 45% reduction in PM_{2.5}
- 25% overall GHG reduction
- Hundreds of avoided hospital visits and premature deaths
- More than 24,000 avoided minor cases of bronchitis, exacerbated asthma, and other respiratory symptoms



Nearly \$507 million in monetized health savings from the ACT rule (2020 dollars).

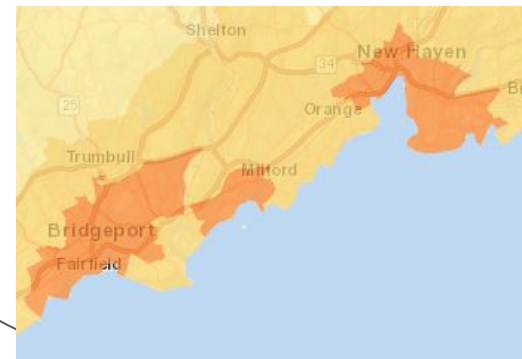
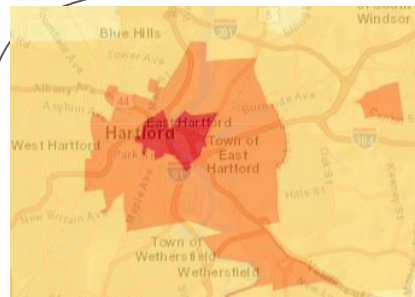
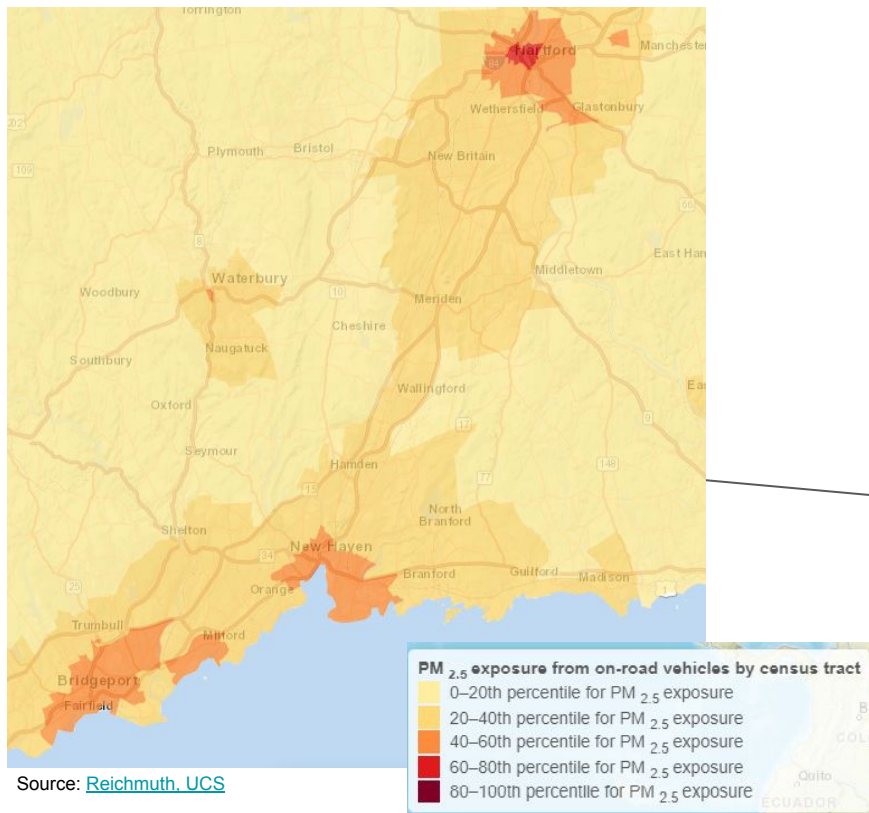
Exposure to Diesel Particulate Pollution in Connecticut



Transportation Pollution Hotspots

- High exposure to diesel pollution in Hartford, Bridgeport, New Haven and Waterbury
- High rates of asthma and other respiratory illness
- Cumulative impacts that go beyond truck pollution

Map of PM_{2.5} Pollution from Cars + Trucks







NEW HAVEN I-95



WATERBURY 84 AND RT 8

BRIDGEPORT I-95 AND RT 8



Truly
Fresher
Salmon





STAMFORD I-95



NORWALK I-95

A
SIGNIFICANT
PORTION OF
THE
POPULATION
RESIDES IN
CLOSE
PROXIMITY
TO MAJOR
ROADWAYS.



Clean Vehicles and Environmental Justice

ACC II

- Low-income communities and communities of color bear an especially unfair burden of fuel costs and harmful pollution, having suffered generations of systematic marginalization. Families on a budget spend as much as 20% of their income on fuel, and that percentage spikes when gas prices spike.
- Adopting the ACC II rule will ensure that car manufacturers accelerate their production of pollution-free cars, cutting pollution in frontline communities - a critical step toward achieving environmental justice.

ACT

- Low-income communities and communities of color bear an unfair burden of medium and heavy duty truck pollution, having suffered generations of systematic marginalization that forces frontline communities to live closer to warehouses, transit centers and highways.

Questions





Status & Steps for Adoption

In 2004, CT legislature adopted Advanced Clean Cars I and have revised along the way.

In 2022, CT legislature passed law allowing DEEP to promulgate the Advance Clean Truck Rule.

CT DEEP published both regulations and held public hearings in summer/fall of 2023.

Per the process goes to Legislature's Regulation Review Committee.

Instead, they are going back to full legislature for consideration.

How do we win for clean air?
Legislators must hear from you!

Take Action!

Now: Phone call to State Senate Majority Leader Bob Duff

860-240-0414

Hi, my name is (YOUR NAME), and I am calling from (YOUR TOWN). I am calling to urge Senator Duff ensure the Senate votes to support clean car and truck regulations as quickly as possible. We must do this to clean up our dirty air, and protect human health and the climate. The regulations will result in more clean car and truck choices in Connecticut. Please take action on clean cars and trucks as soon as possible, there is no time to waste.

Example

Other actions you can take after today

- Calls to Your own State Senator and State Representative

Find them here: <https://cga.ct.gov/asp/menu/cgafindleg.asp>

- Climate March – February 2 at noon in Hartford

RSVP here:

<https://act.sierraclub.org/events/details?formcampaignid=7013q0000002HdWWAAo>

Contact Us



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