



Department of  
Environmental  
Conservation

# New York Acts on Climate and Air Pollution

Key Environmental Issues in USEPA Region 2

Jared Snyder, NYS Department of Environmental Conservation

June 6, 2018

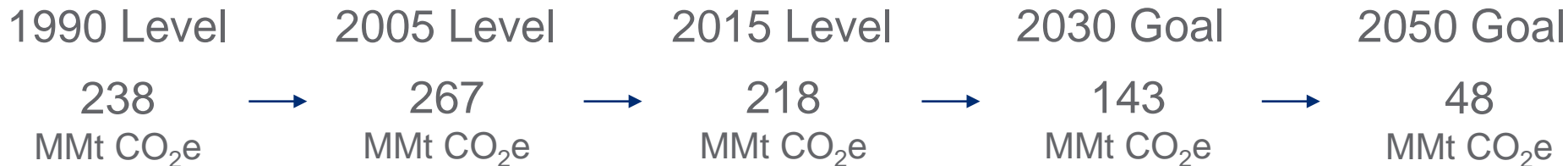
# NYS Reduction Targets

## 2030 Goal:

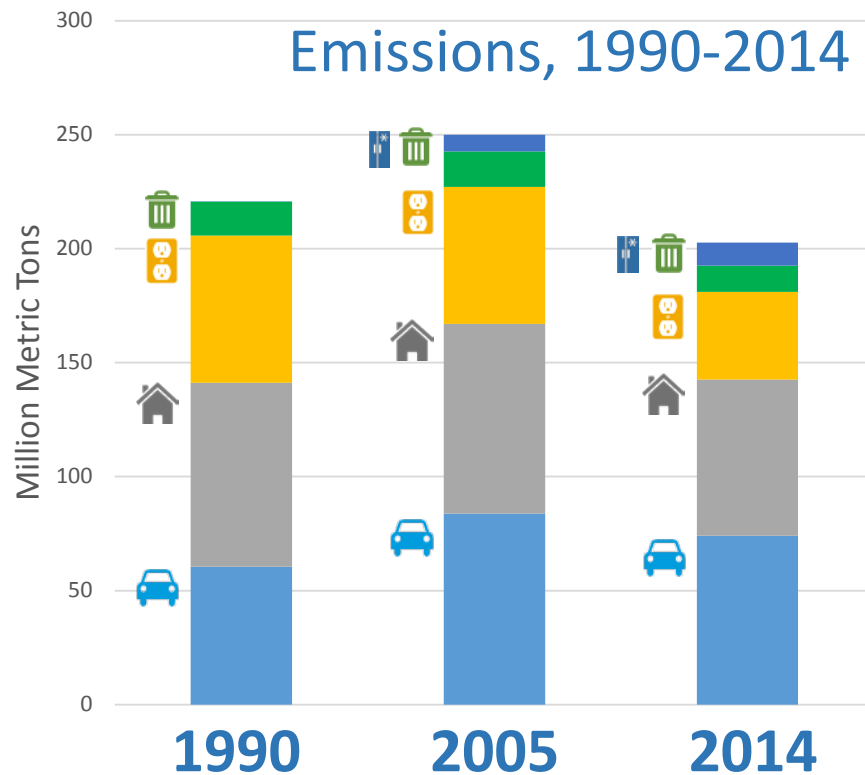
- 40% reduction in greenhouse gas emissions from 1990 levels
- Requires 46% reduction from 2005 peak levels

## 2050 Goal:

- 80% reduction in greenhouse gas emissions from 1990 levels
- Requires 82% reduction from 2005 peak levels

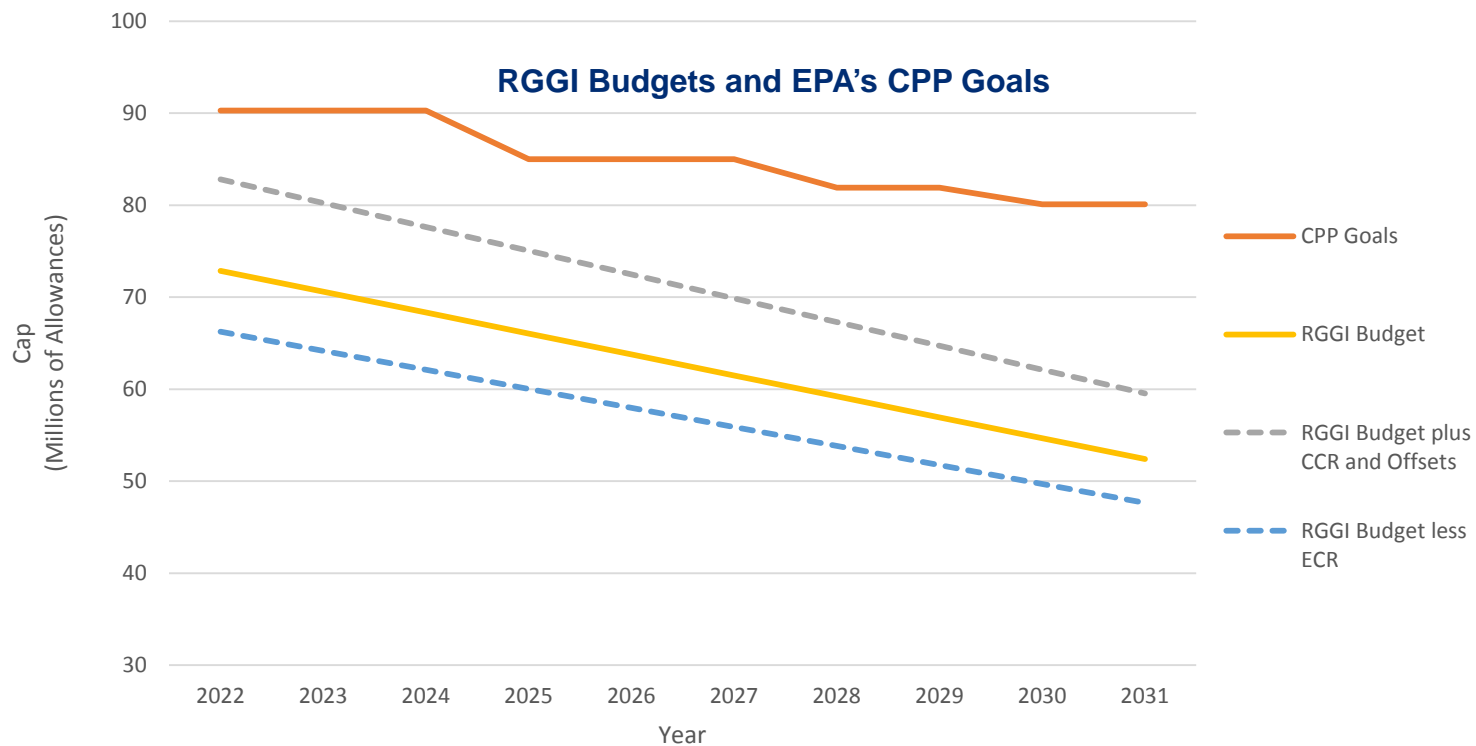


## New York State Greenhouse Gas Emissions, 1990-2014



Where are we now?

- Electricity emissions already cut in half
- 18% reduction since 2005
- Transportation emissions are 23% above 1990 levels



# Clean Energy Initiatives

- Clean Energy Standard: 50% renewable by 2030
- Off-shore wind: 2400 MW by 2030; 800 MW solicitation in 2018/2019
- Energy efficiency: reduce energy consumption by 185 trillion BTUs by 2025 – equal to 1.8 million New York homes
- Energy storage: 1500 MW by 2025; largest per capita commitment
- Ending coal use – Part 251



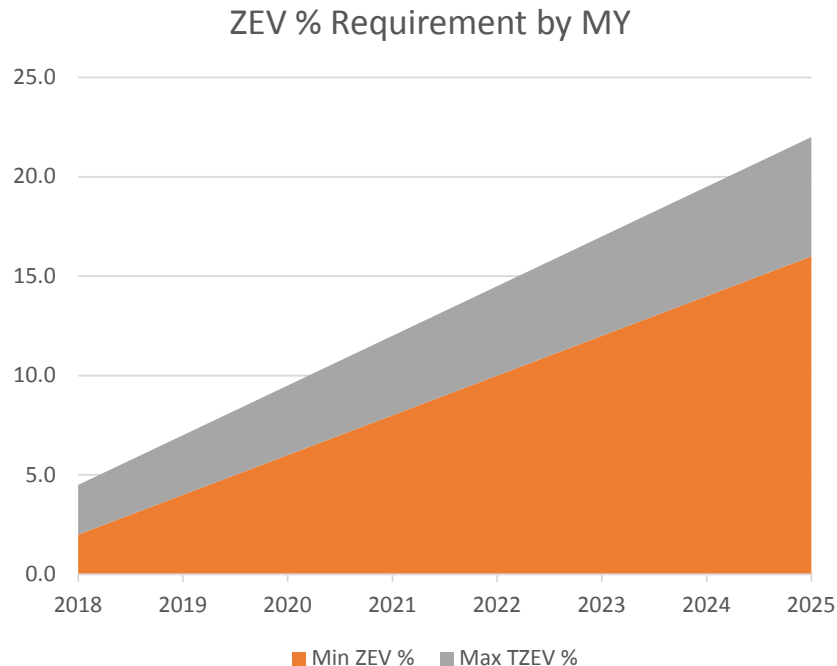
# CA Emission Program in NYS

- NY adopted CA mobile source program 1990
  - CA LEV adopted 1992
  - CA ZEV adopted 2002
  - CA GHG adopted 2005
- EPA rollback of 2022-2025 GHG and CAFE standards
  - Governor Cuomo: NY will work with CA and other states to preserve our standards.
  - US Climate Alliance: opposes weakening of federal standards



# ZEV Mandate

- Increased stringency for MY 2018-2025
- Travel provision only applies to FCEV for 2018 & subsequent years
- Conventional hybrids are no longer a compliance option
- Pooling option for manufacturers that selected Optional Compliance Path
- Anticipate approximately 800,000 EVs placed in NYS by 2025



# ZEV MOU/Action Plan

- Governors (CA, CT, MD, MA, NY, OR, RI, VT and now NJ) MOU and Action Plan - 2013/2014
- Plan includes 11 actions (e.g., incentives, governmental fleets, private fleets, workplace charging, EVSE planning and investment, EVSE signage, charging network considerations, removing barriers, reporting, etc.) Full report at: <http://www.nescaum.org/topics/zero-emission-vehicles>
- Action Plan Update by Summer 2018 – to reflect “lessons learned” and to provide more current recommendations
- Working with OEMs and dealerships to promote a sustainable PEV market (NESCAUM workgroups, *Drive Change. Drive Electric*)





# NYS ZEV Actions

- Incentives:
  - NYSERDA Drive Clean Consumer Rebates (point of sale, up to \$2,000)
  - DEC Municipal ZEV Rebate Program (PEVs, up to \$5,000) (EVSE, up to \$8,000/Level 2 port; up to \$32,000/DCFC pedestal, up to \$250,000/hydrogen fueling station)
  - Clean Pass HOV lane (Long Island Expressway)
  - NYS Commercial EVSE tax credit (up to \$5,000)
- ChargeNY
  - Charge NY 2.0 goal: 10,000 charging ports by 2021
  - Evolve NY: NYPA May 31 announcement (\$250 million)
- Utility Related Programs
  - ConEd EV Demonstration Projects – up to \$25M
  - TOU rates, EV off-peak charging rebates (not statewide)
  - Multi-agency Petition to Public Service Commission (2018) to reclassify DCFC demand charges
  - Additional utility proposals expected in 2018



# Volkswagen Mitigation Plan

- \$2.9 billion nationwide
- \$127 million for NYS
- Goals in NYS
  - Support clean/electric transportation
  - Reduce emissions in nonattainment areas
  - Benefit disproportionately burdened communities
- Extensive public outreach

## Eligible Mitigation Action Item

Item 1: Class 8 Local Freight & Port Drayage Trucks

Item 2: Class 4-8 School Bus, Shuttle Bus, or Transit Bus

Item 3: Freight Switchers

Item 4: Ferries/Tugs

Item 5: Ocean Going Vessels (OGV) Shorepower

Item 6: Class 4-7 Local Freight Trucks

Item 7: Airport Ground Support Equipment (Charging Equipment)

Item 8: Forklifts and Port Handling Equipment

Item 9: Light Duty Zero Emission Vehicle Supply Equipment

Item 10: Federal Diesel Emission Reduction Act Option



# Transportation and Climate Initiative (TCI)

- Building out of the RGGI program (formed to reduce emissions from the power sector), TCI was formed in 2010 to reduce emissions from transportation
- In 2017, eight TCI states committed to undertaking listening sessions to collect public feedback on developing policies to
  - modernize the transportation system to reduce congestion and improve reliability and resiliency;
  - reduce carbon emissions and other harmful pollutants; and
  - enhance economic competitiveness of the states in the Northeast on a national and global scale.
- Scheduled/completed sessions include - Albany, NY (4/9/18), Hartford, CT (5/21/18), Wilmington, DE (6/6/18)
- New York has committed to a complementary effort of input-gathering within the state, jointly sponsored by NYSDEC, NYSDOT & NYSERDA



# US Climate Alliance

## Alliance Members



## Alliance Commitments

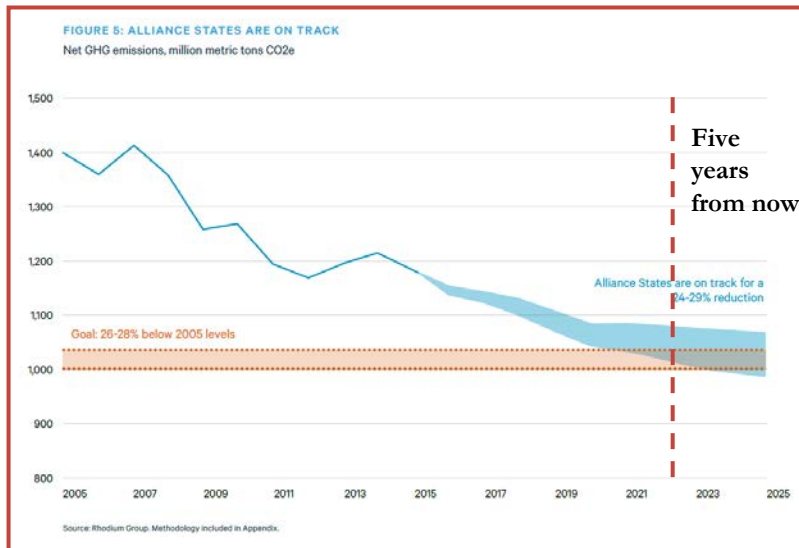
- 1. Implement** policies that reduce greenhouse gas emissions consistent with the goals of the Paris Agreement
- 2. Track and report progress** to the global community in appropriate settings, including when the world convenes to take stock of the Paris Agreement
- 3. Accelerate new and existing policies** to reduce carbon pollution and promote clean energy deployment at the state and federal level



## STRATEGIC VISION

## In five years, USCA could meet its share of the first U.S. NDC ahead of schedule

- Five years from now, in **2022**, USCA states could achieve a 26 percent reduction in GHG emissions
- This five-year stretch goal should guide USCA's overall strategy
- Accelerating policy is essential to continued progress



# Short Lived Climate Pollutants

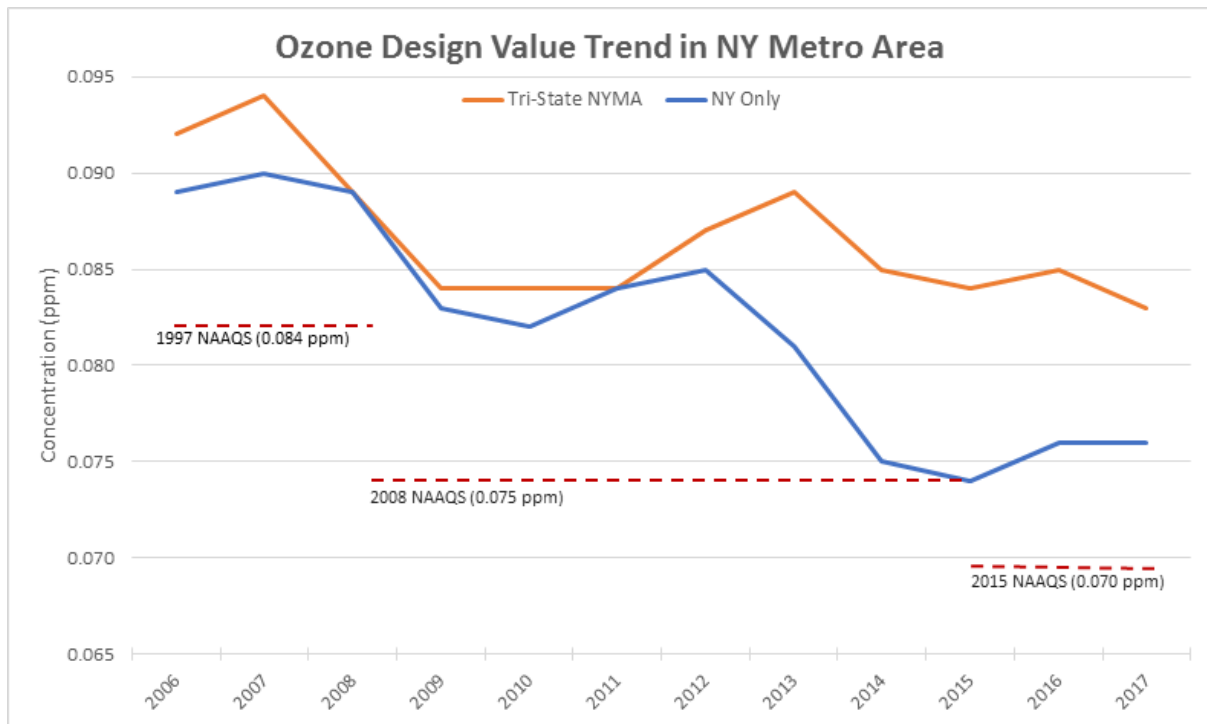
## Methane Reduction Plan

- 25 initiatives: oil & gas, agriculture, waste
- Oil and gas regulation under development

## Hydrofluorocarbons

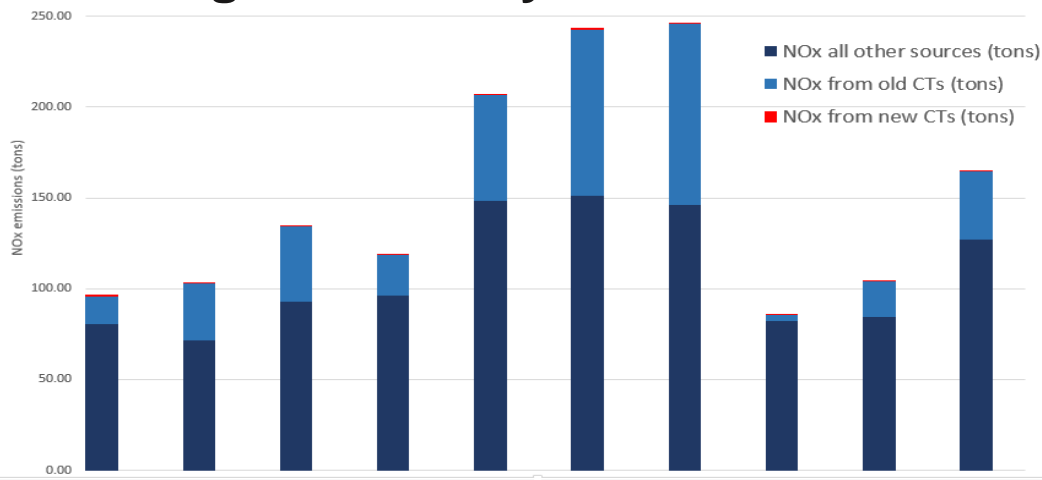
- Governor Cuomo directive
- US Climate Alliance: superpollutant challenge announced June 1.

# Reducing ozone levels



# Key ozone initiatives – peaking turbines

## High ozone days in 2013 Statewide



	NOx (tons)	Heat Input (mmBtu)	Gross Load (MWh)	Efficiency
Pre-1990 Peakers	1,486	6,533,605.78	465,897.93	25%
Post-1990 Peakers	50	5,727,075.45	634,782.93	39%
2011 - 2015 high ozone days				





# Key Ozone Initiatives – Section 126 Petition

- Targets significant NOx contributors in NYS ozone levels
  - 358 plants
  - 9 states that contribute more than 1% of ozone NAAQS
- Process
  - EPA granted six month extension
  - If plants contribute significantly, must shutdown or control
- Other state petitions: EPA denied or proposed denial
- Related: Section 176A petition

