

EXHIBIT B

Connecticut Department of Energy and Environmental Protection



Connecticut Department of
**ENERGY &
ENVIRONMENTAL
PROTECTION**

Reducing Ozone Transport A Shared Responsibility

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Agenda

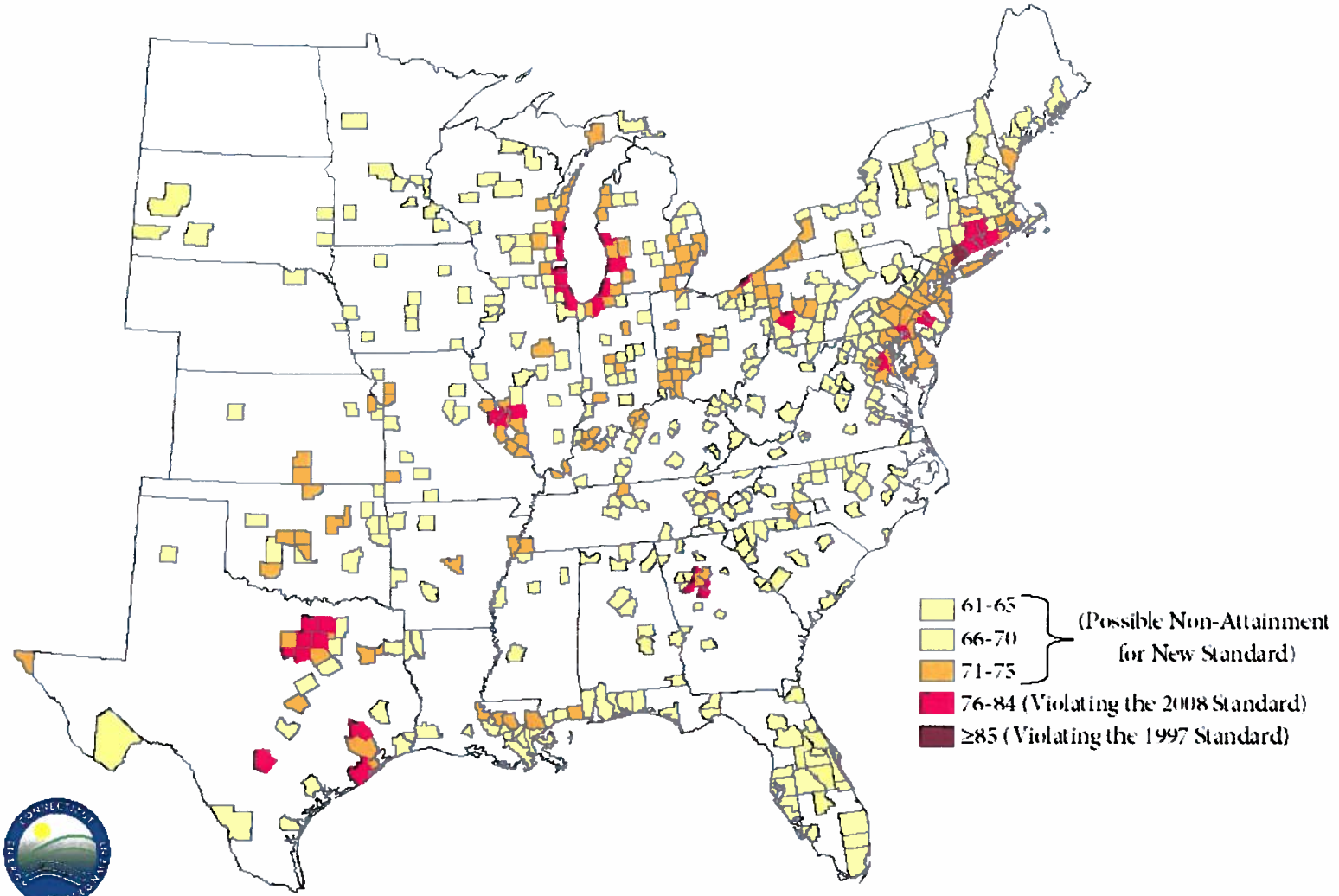
- Ozone Transport – Regional challenge
- A Closer look at an Ozone episode
- The need to “level the playing field”
- Next Steps



Region's Air Pollution Challenge: Ozone

Possible Non-Attainment Counties in Eastern US for 8-hour Ozone Standards

Note: Based on Preliminary 2014 Design Values. All values are preliminary until certified. Preliminary data for western states not readily available.
source: <http://www.maine.gov/dep/ftp>

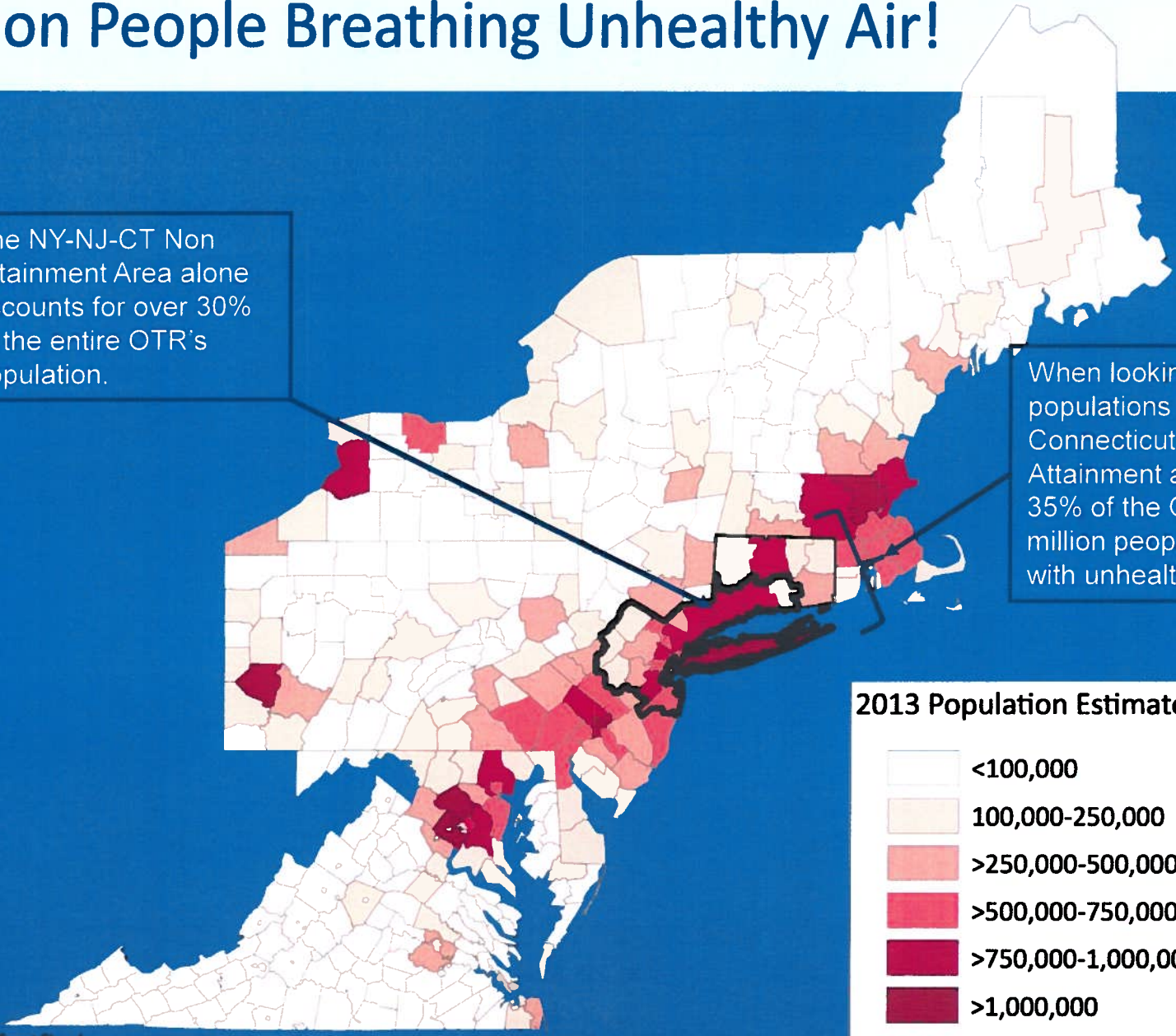


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22.2 Million People Breathing Unhealthy Air!

The NY-NJ-CT Non Attainment Area alone accounts for over 30% of the entire OTR's population.

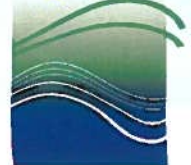
When looking at the populations in both of Connecticut's Non-Attainment areas just over 35% of the OTR or 22.2 million people are in areas with unhealthy air quality.



2013 Population Estimates

Lightest yellow	<100,000
Light yellow	100,000-250,000
Orange	>250,000-500,000
Red-orange	>500,000-750,000
Red	>750,000-1,000,000
Dark red	>1,000,000

Data Source: factfinder.census.gov

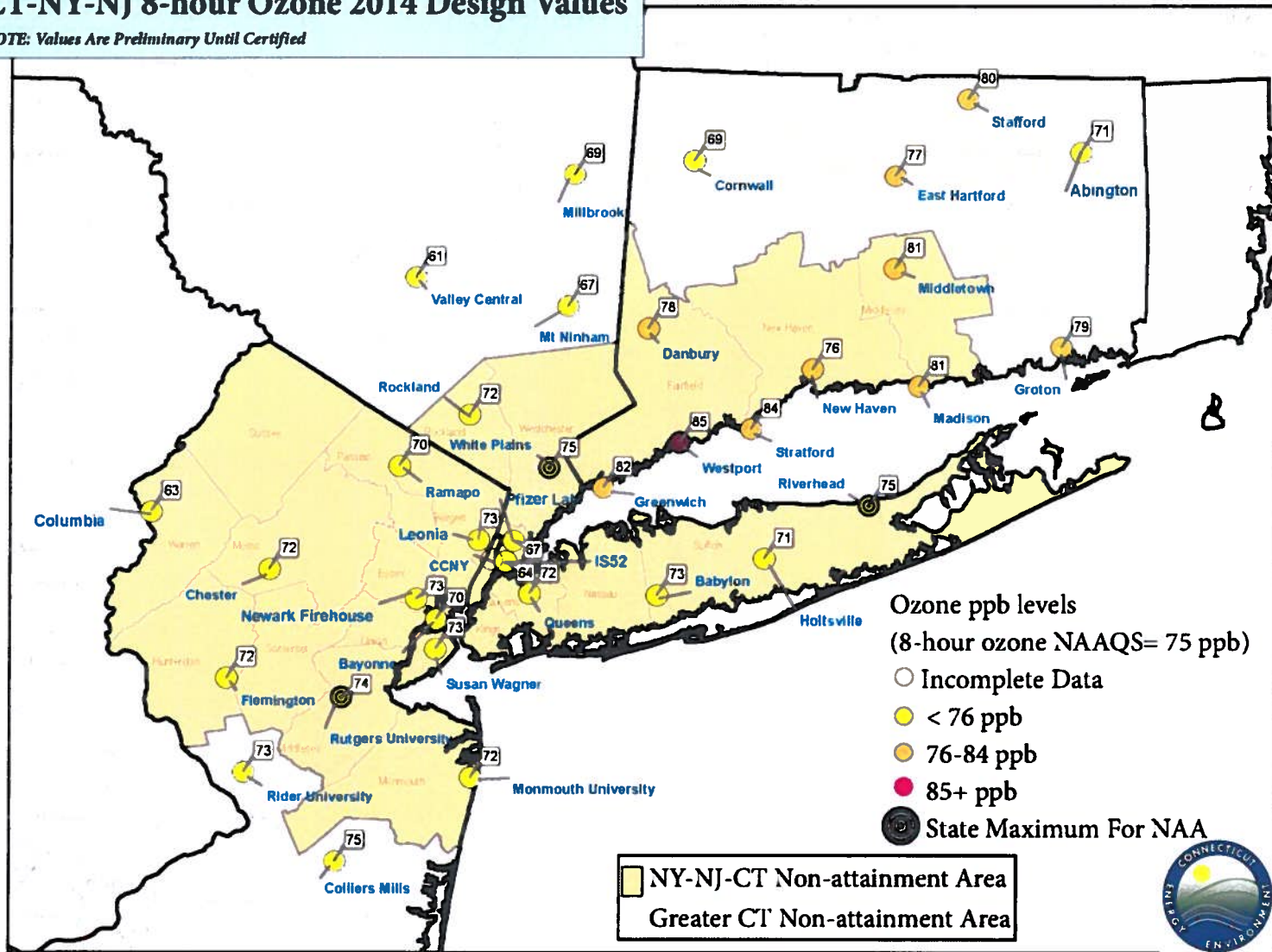


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A Closer Look at Ozone Levels

CT-NY-NJ 8-hour Ozone 2014 Design Values

NOTE: Values Are Preliminary Until Certified



Revised October 7, 2014

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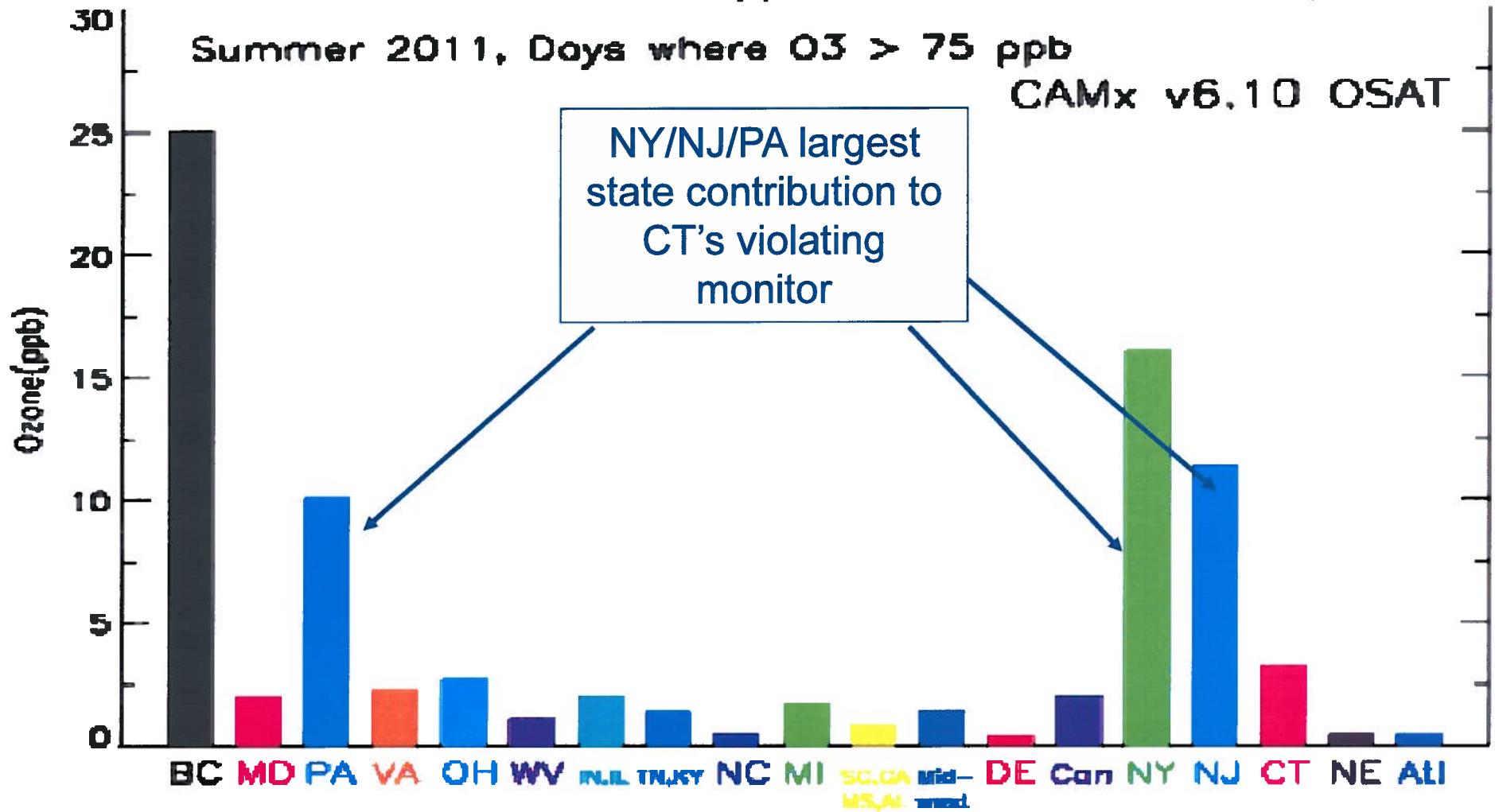


States' Contribution to a Violating Monitor in CT

Mid-Afternoon Source Apportionment at Greenwich, CT

Summer 2011, Days where O₃ > 75 ppb

CAMx v6.10 OSAT



Analysis of an Ozone Episode in 2012



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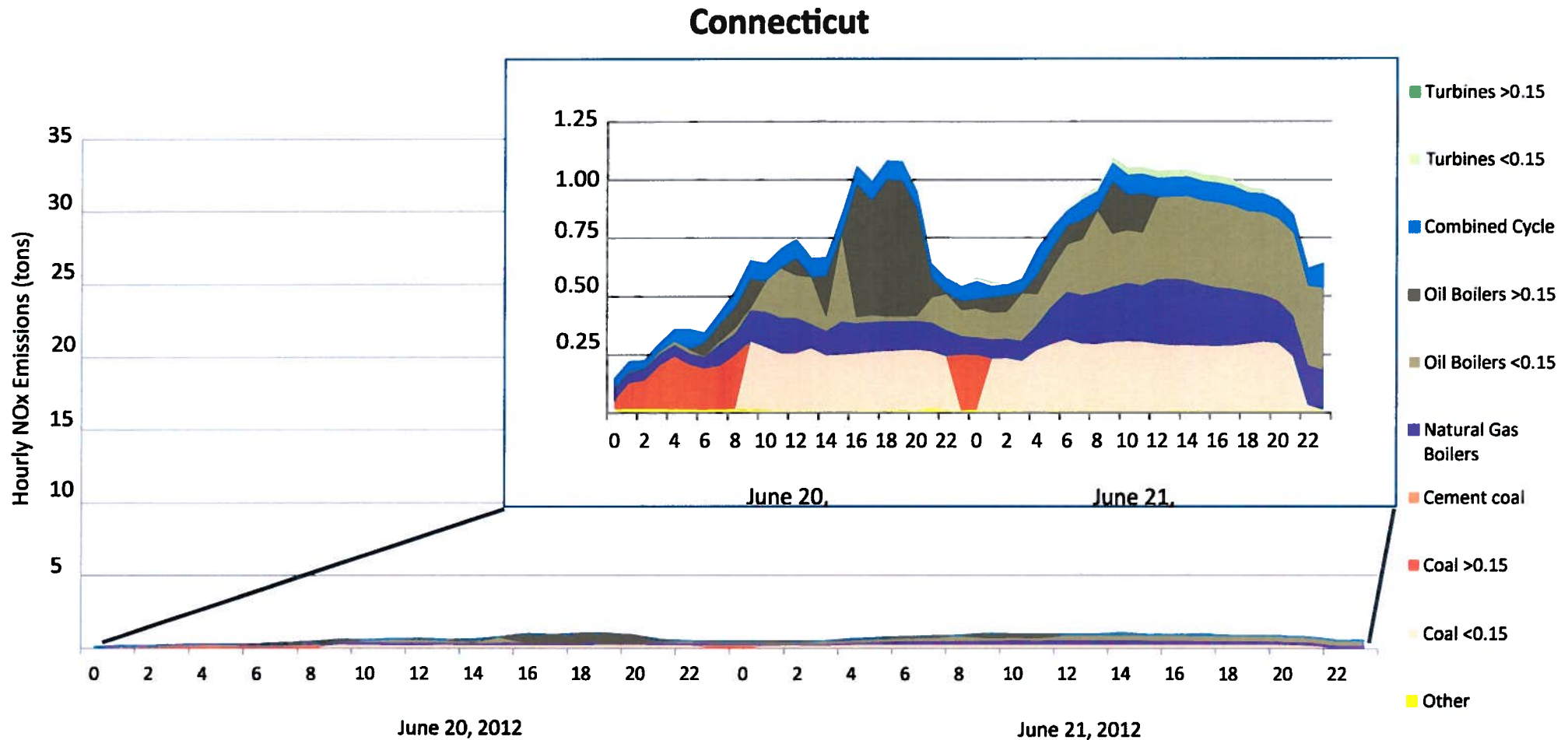
High Electric Demand Day Emissions

- High electric demand day emissions are part of the persistent ozone attainment problems in the OTC
 - High NO_x emissions at a time with the highest ozone forming potential.
 - Reductions are a key to attaining the ozone NAAQS.
- High electric demand day units
 - Smaller units (e.g., aeroderivative turbines, load-following boilers) are a big contributor to total EGU emissions on high demand days.
- Nature of peak day emissions differs from state to state



Connecticut must address oil fired boiler emissions

Peak EGU* hourly emissions, ~1 ton



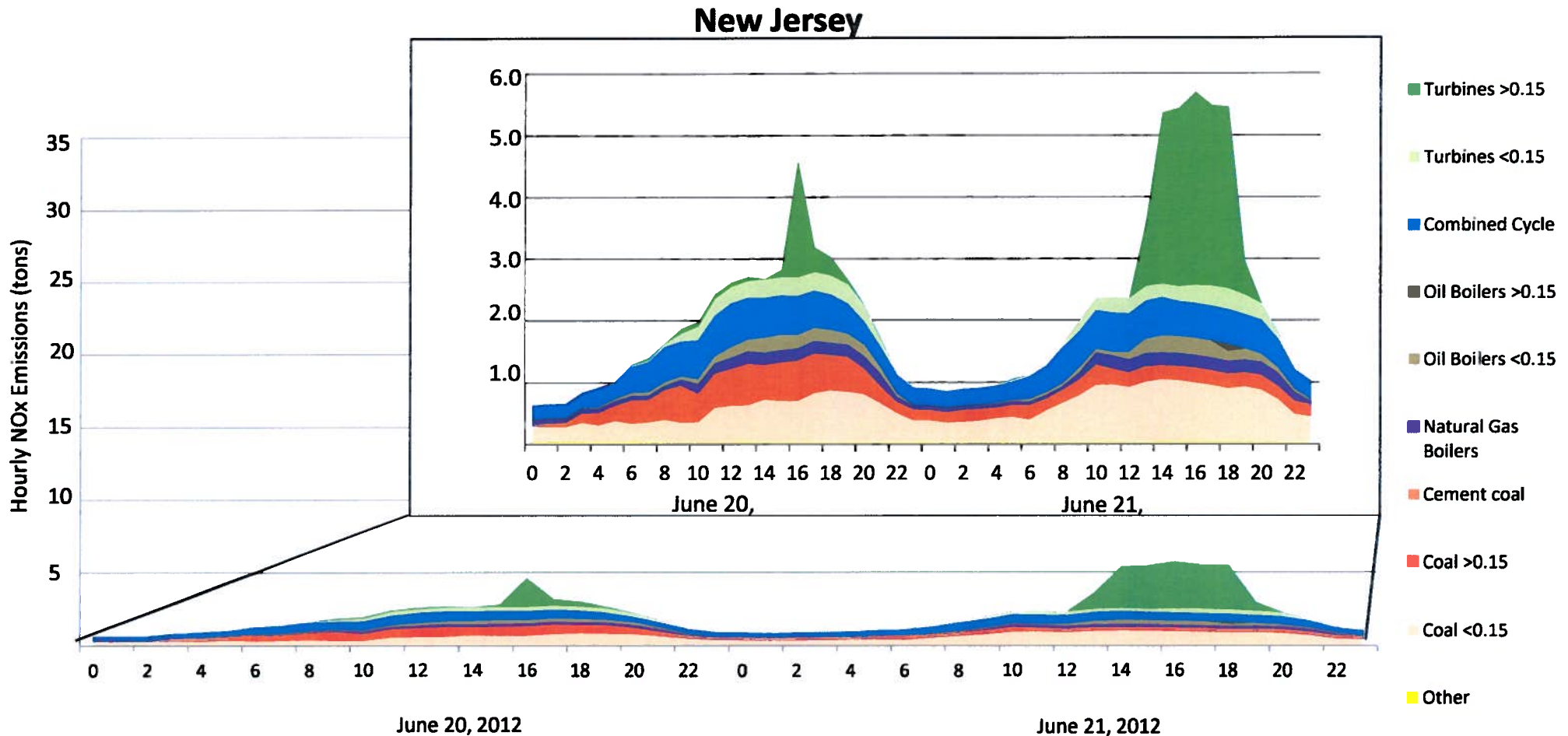
*May include large industrial sources
Data Source: <http://ampd.epa.gov/ampd/>



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New Jersey's HEDD rule addresses the peak in 2015

Peak EGU* hourly emissions, ~5 tons



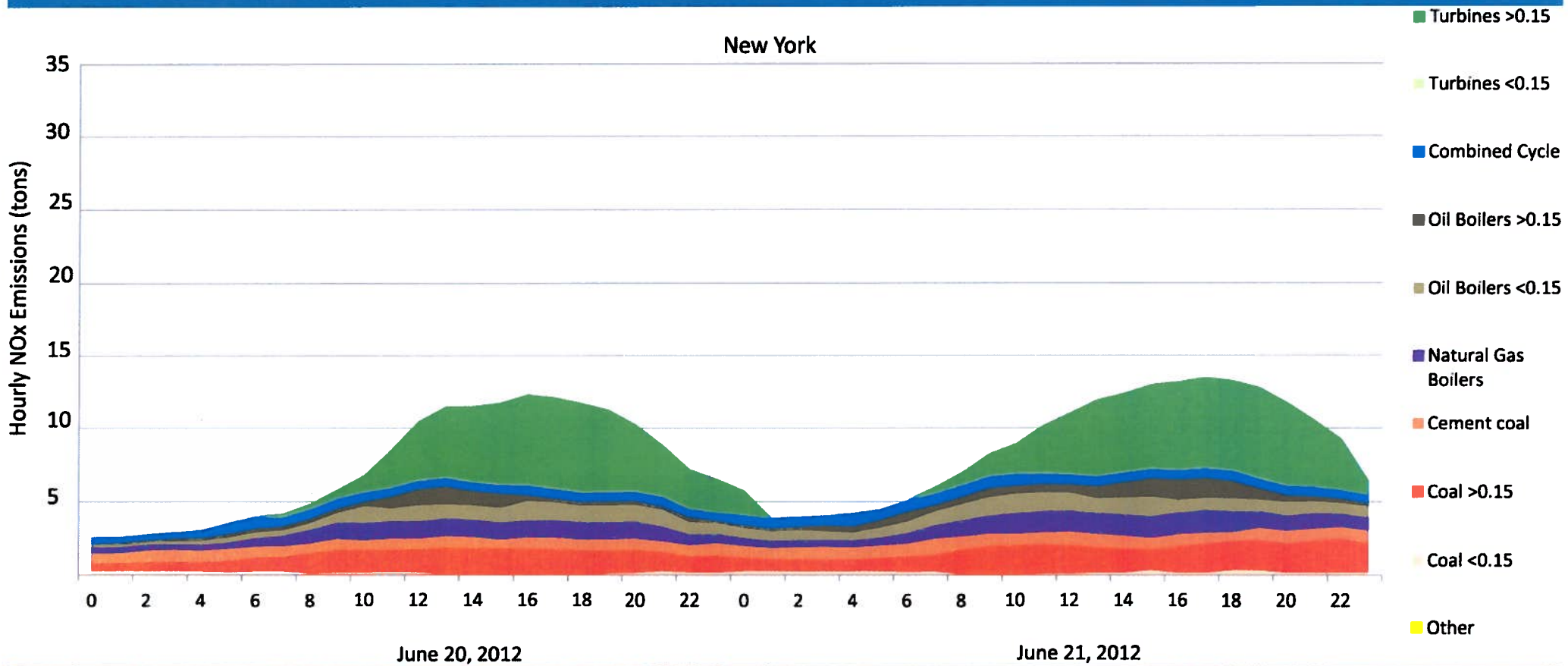
*May include large industrial sources
Data Source: <http://ampd.epa.gov/ampd/>



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New York must address combustion turbine emissions

Peak EGU* hourly emissions, ~12.5 tons



*May include large industrial sources
Data Source: <http://ampd.epa.gov/ampd/>

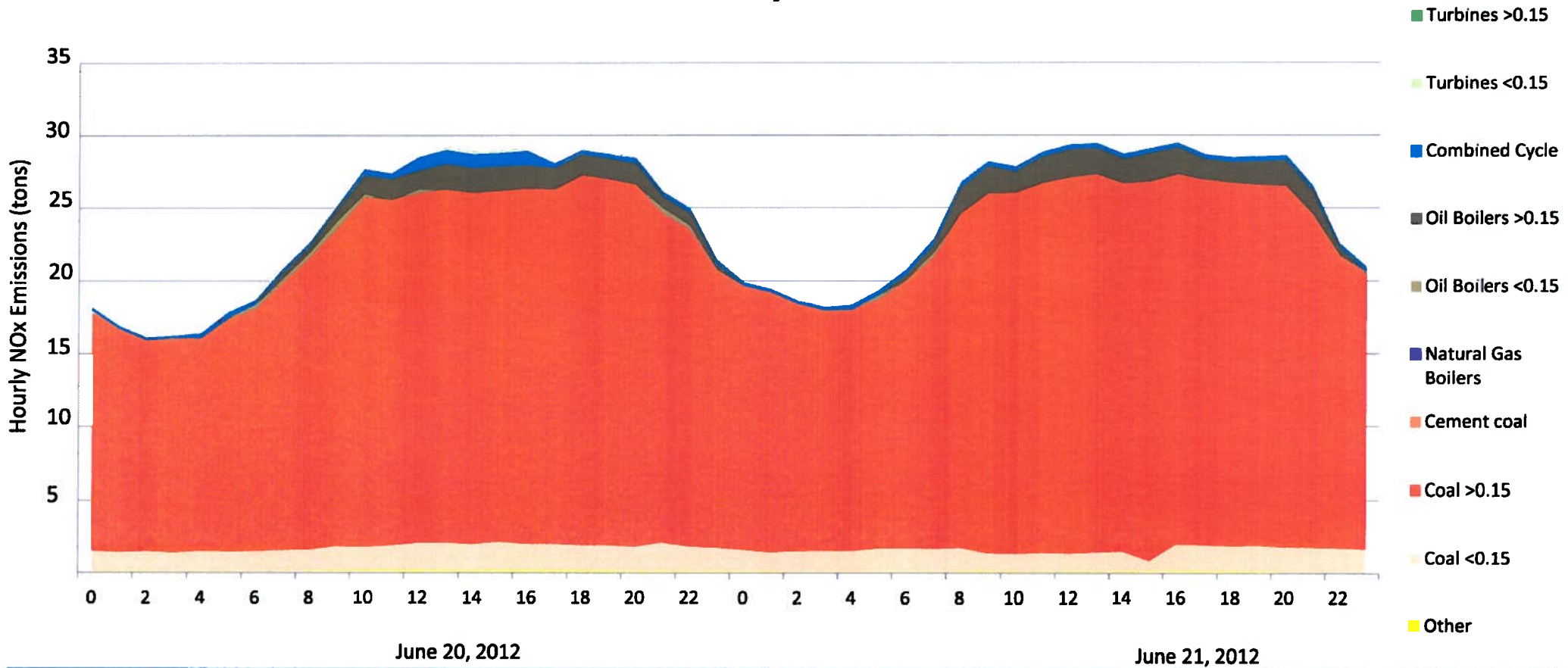


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Pennsylvania must address emissions from coal firing

Peak EGU* hourly emissions, ~30 tons

Pennsylvania



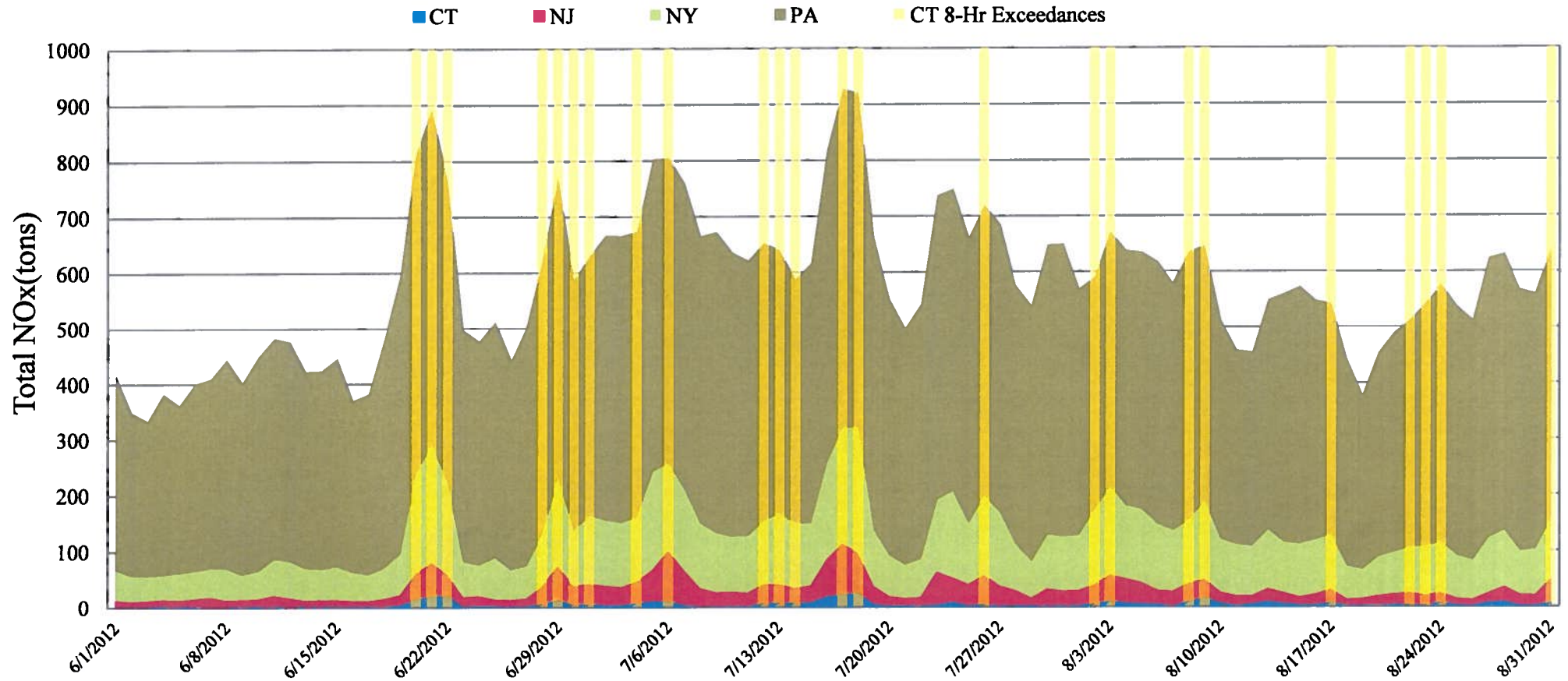
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*May include large industrial sources
Data Source: <http://ampd.epa.gov/ampd/>

Magnitude of Peak Day EGU* Emissions Differs by State

Daily Total EGU* NOx Emissions for CT, NJ, NY and PA

June - August, 2012

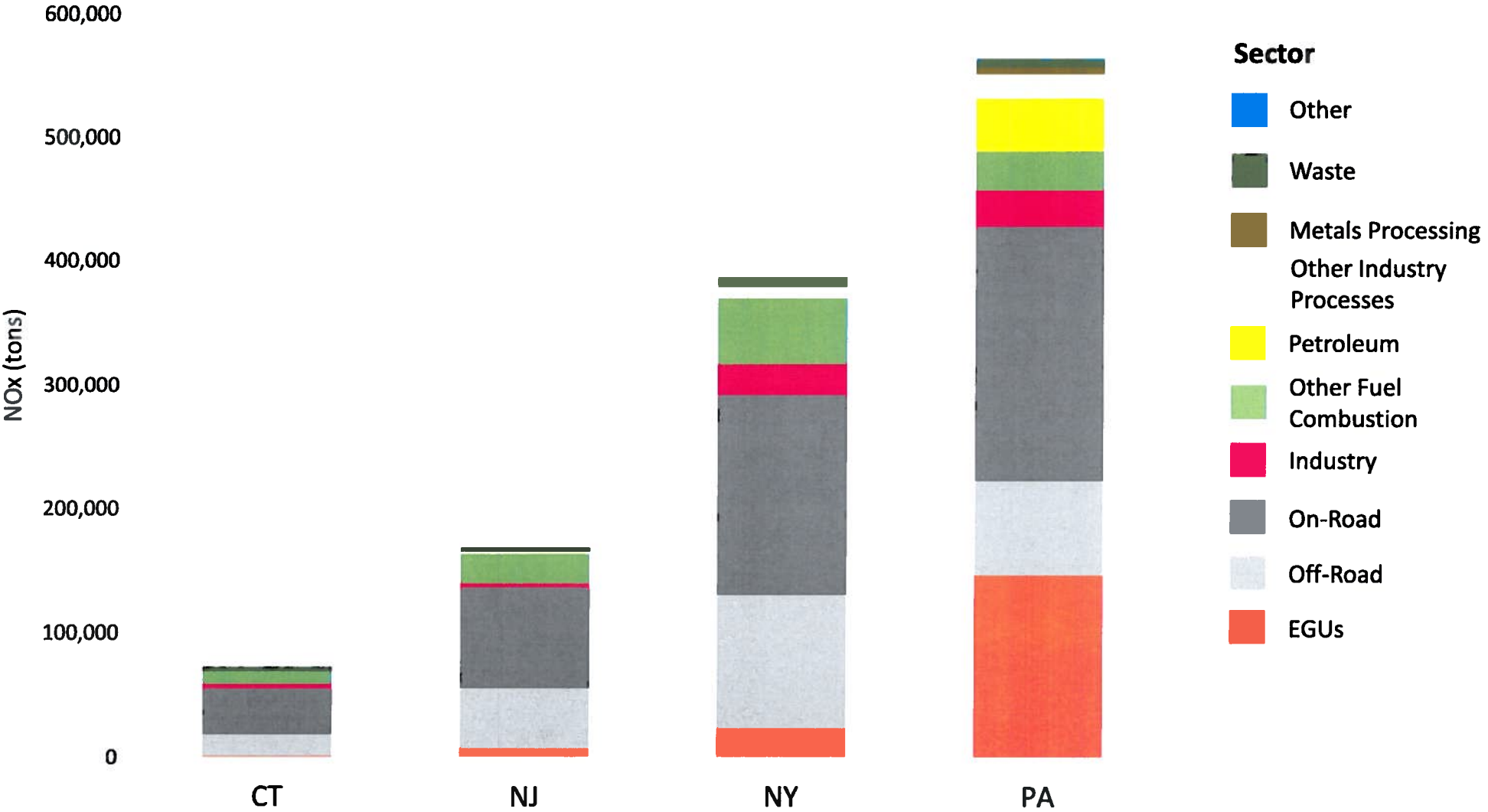


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2011 Annual Total Emissions by Sector for CT, NJ, NY and PA



Shared Responsibility – a level playing field

- CT will continue to adopt reasonable measures and continue reducing energy demand through RE/EE investments
- Upwind states (inside and outside of OTR)
 - HEDD reductions
 - Optimize existing controls/install new controls
 - Mobile source strategies - SmartWay[®], aftermarket catalyst
- EPA must take timely action
 - Good Neighbor Requirements
 - Transport rule
 - Mobile Source reductions
 - Tough on state RACT SIPs



Strong Leadership at New Jersey DEP

Achievement Award

Leadership on HEDD reductions

Leadership on Control Requirements

**Leadership on OTC Mobile Source
Committee**

Mobile Source Emission Reductions



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We're Making Good Progress but...

- Not attaining the current ozone standard
- New, tighter standard is highly likely
- Status quo approach won't bring us healthy air
- Need to start looking at non-conventional programs



California Dreaming

- Carl Moyer Program
- Public Agency PEV Rebate Program
- Voucher Incentive Program (VIP)
- Port of LA – Clean Air Action Plan
 - Environmental Ship Index Program
 - Vessel Speed Reduction Program
 - Clean Truck Program
 - Alternative Maritime Power
- Marine Repower and Retrofit



Thank You



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