



Connecticut Department of Energy and Environmental Protection



Connecticut's Proposed "Good Neighbor" SIP for the 2008 Ozone Standard

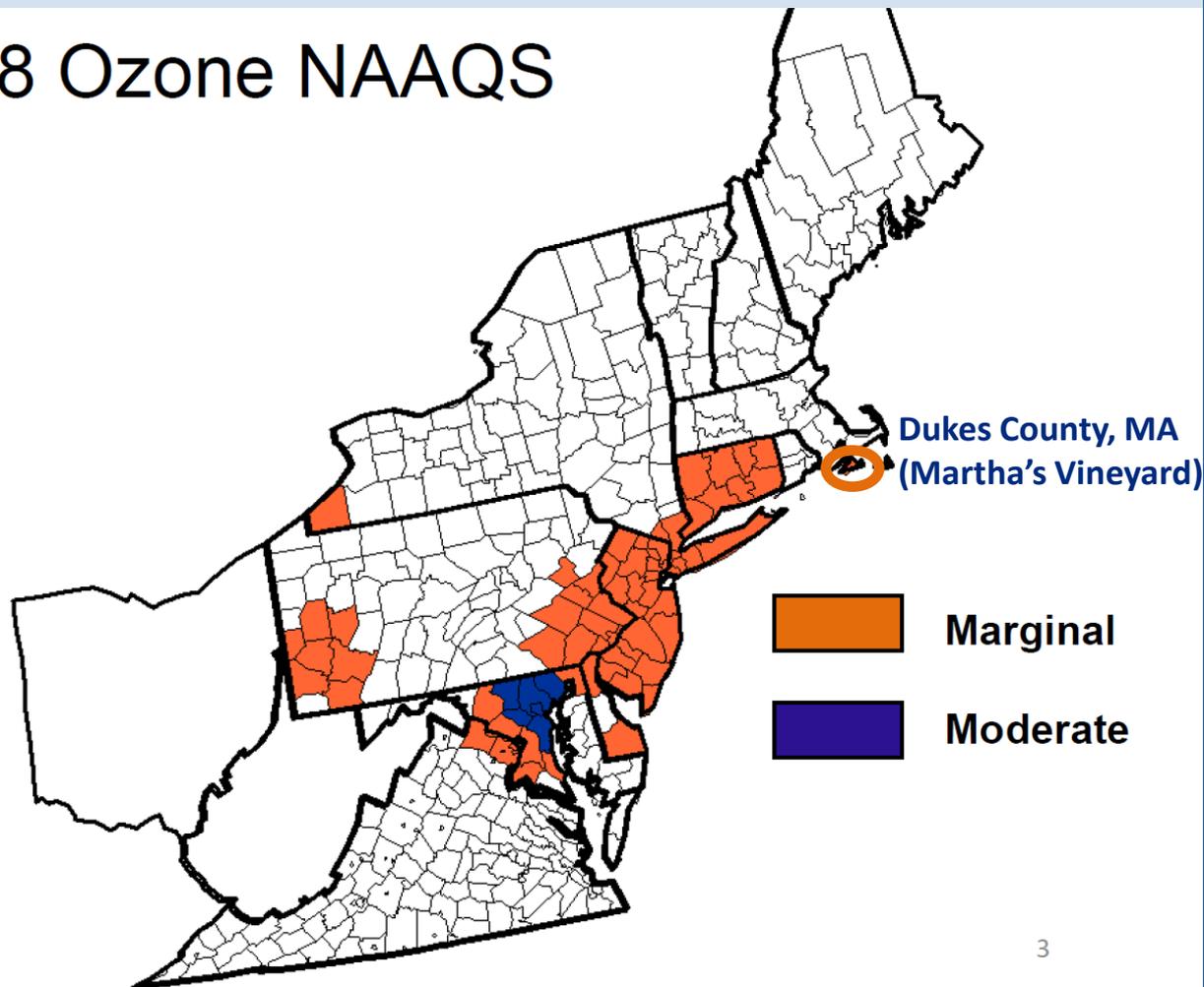
May 14, 2015
SIPRAC
Paul Bodner



Connecticut Department of Energy and Environmental Protection

EPA's Ozone Designations (finalized July 2012)

2008 Ozone NAAQS



3



Clean Air Act “Good Neighbor” Requirement

- **CAA §110(a)(2)(D)(i)(I)**
 - States must submit plan ensuring its emissions do not “... *contribute significantly to nonattainment in, or interfere with maintenance by, any other state ...*”
 - Was due with “Infrastructure” SIP in March 2011
 - Litigation/other delays → EPA designations final July 2012
 - CT submitted all other parts of I-SIP in Dec 2012
- **Court Order requires EPA to issue of finding of “failure to submit” to 26 states by June 30th**
 - CT hopes to avoid that finding with this GN SIP

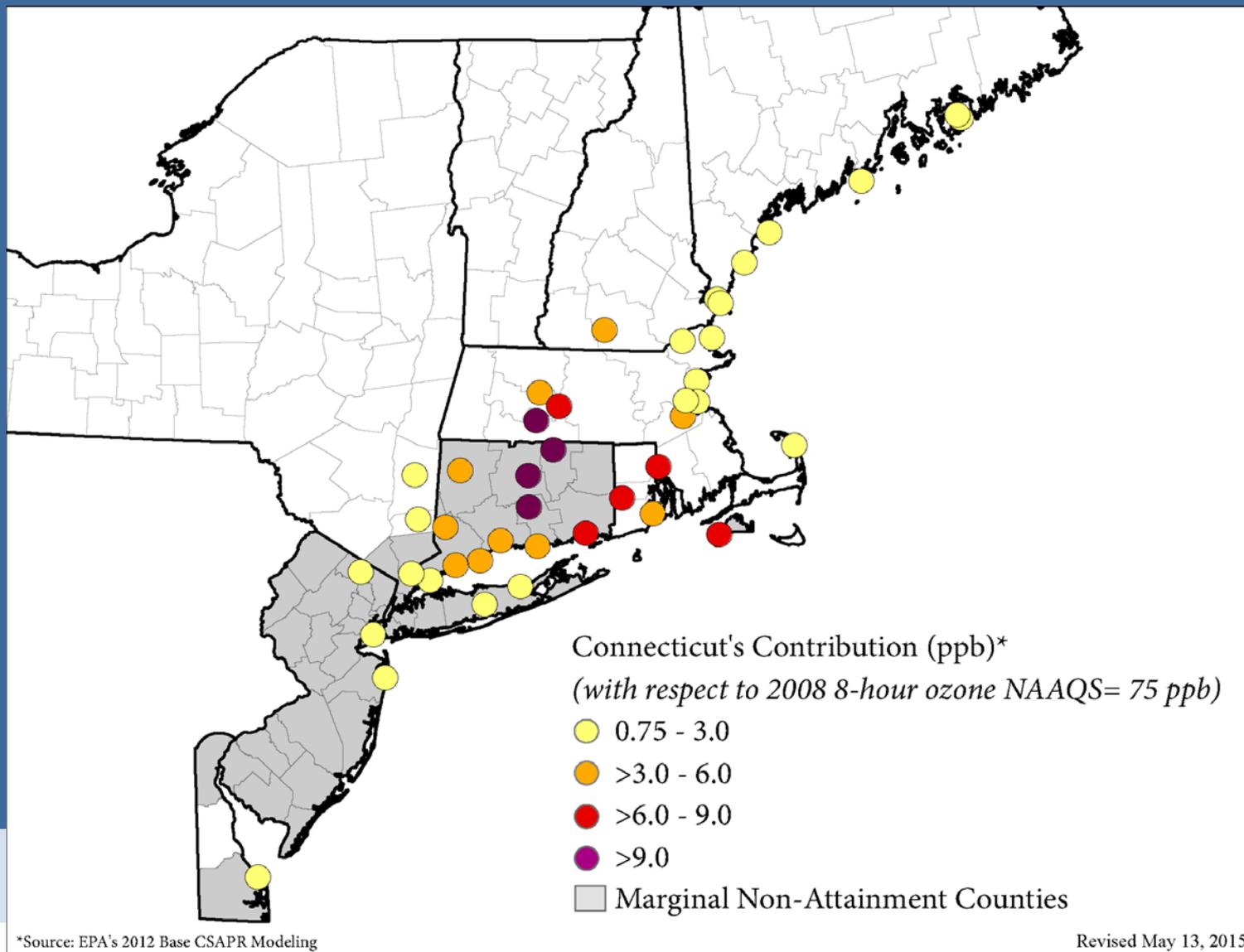


Methodology Used by CT

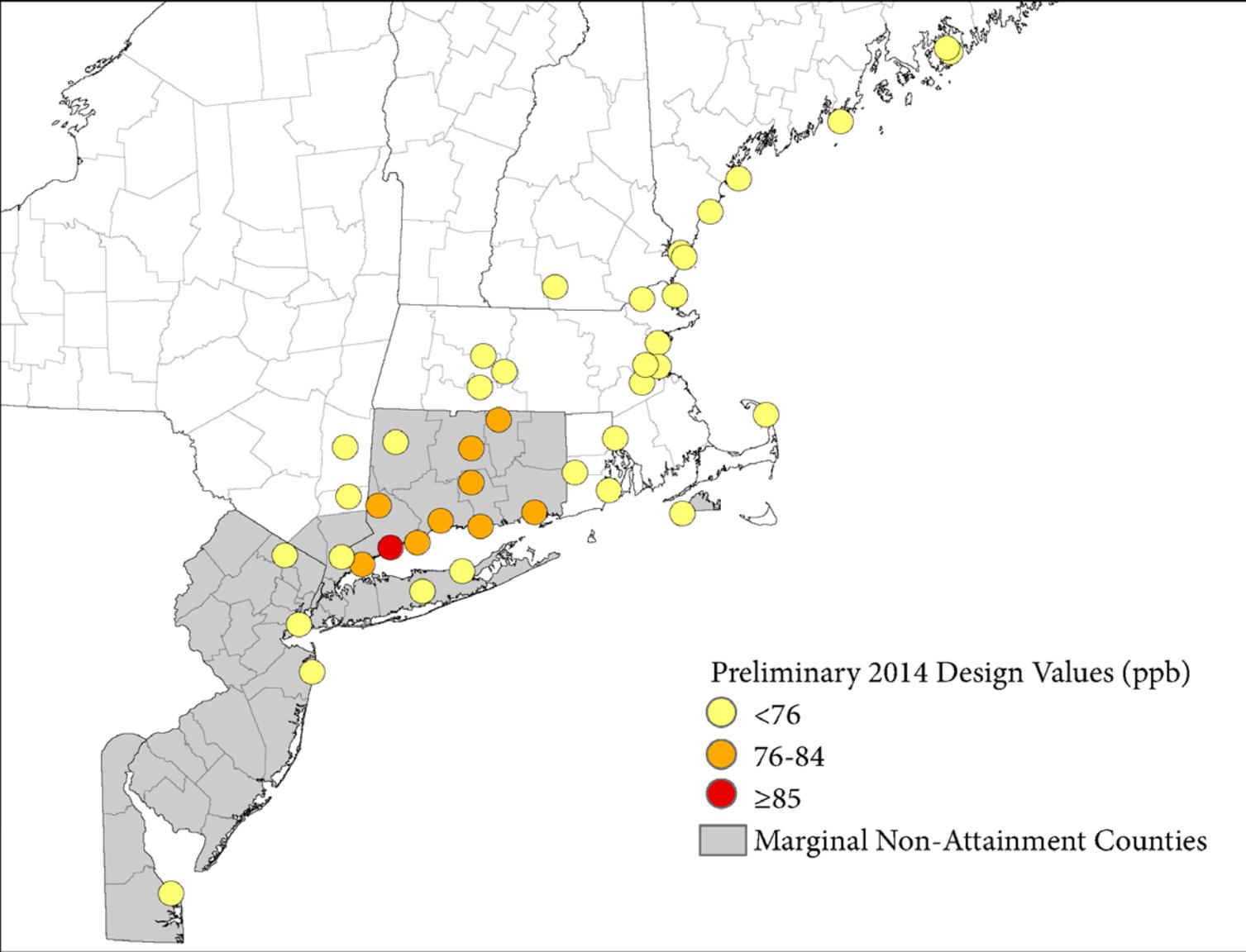
- **Identify monitors significantly impacted by CT**
 - at the time of designation (2011-2012)
 - significant if $\geq 1\%$ of NAAQS (≥ 0.75 ppb)
- **Identify if monitors are in a Nonattainment Area**
- **Assess whether CT-impacted monitors attained on time**
 - by end of 2014 ozone season for marginal areas
- **Assess whether CT-impacted monitors will maintain attainment into future**
 - CT examined 2015, 2016, 2018 and beyond



Monitors Significantly Impacted by CT (based on EPA's CSAPR modeling for 2012)

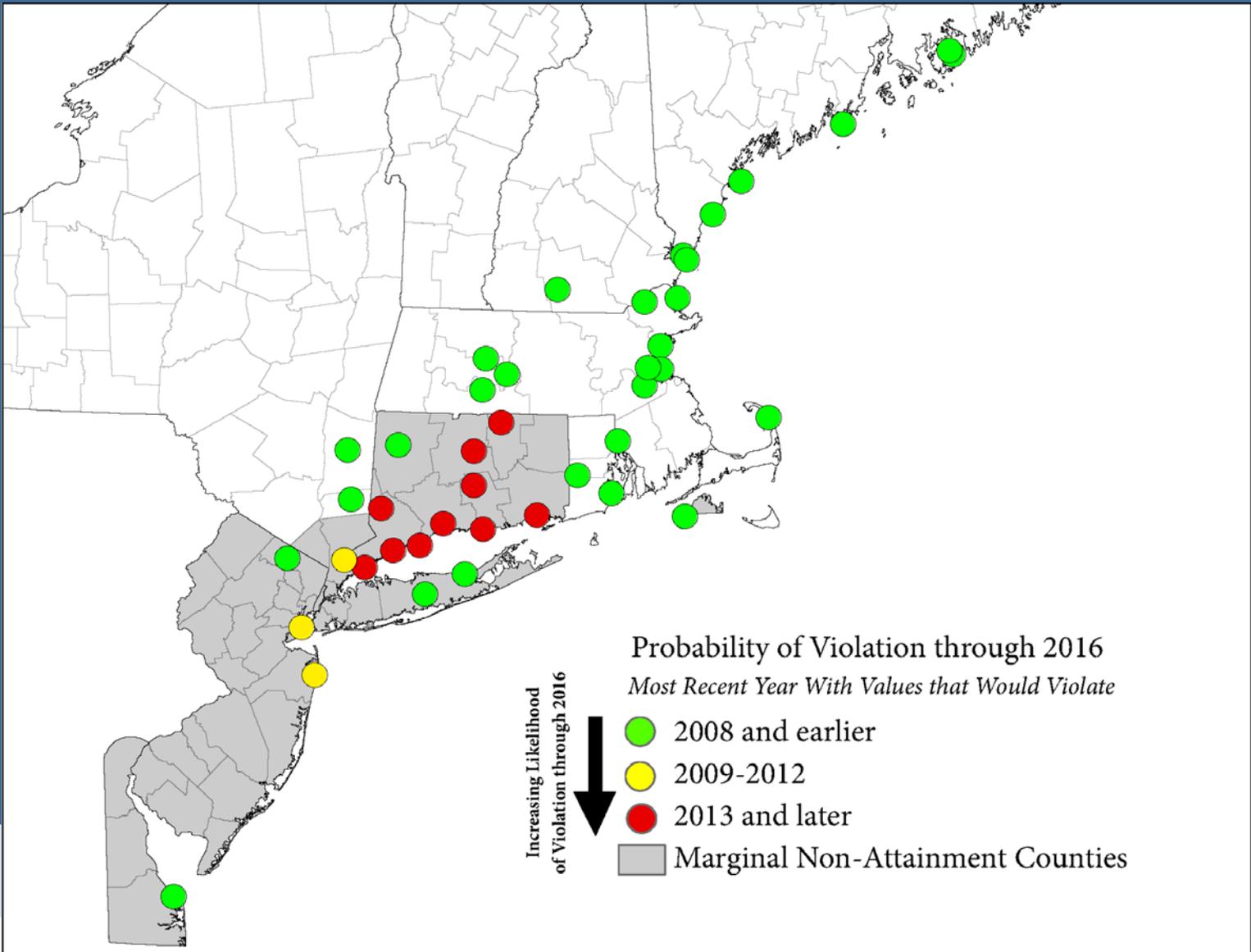


2014 Status of CT-Impacted Monitors (preliminary 2014 monitored Design Values)

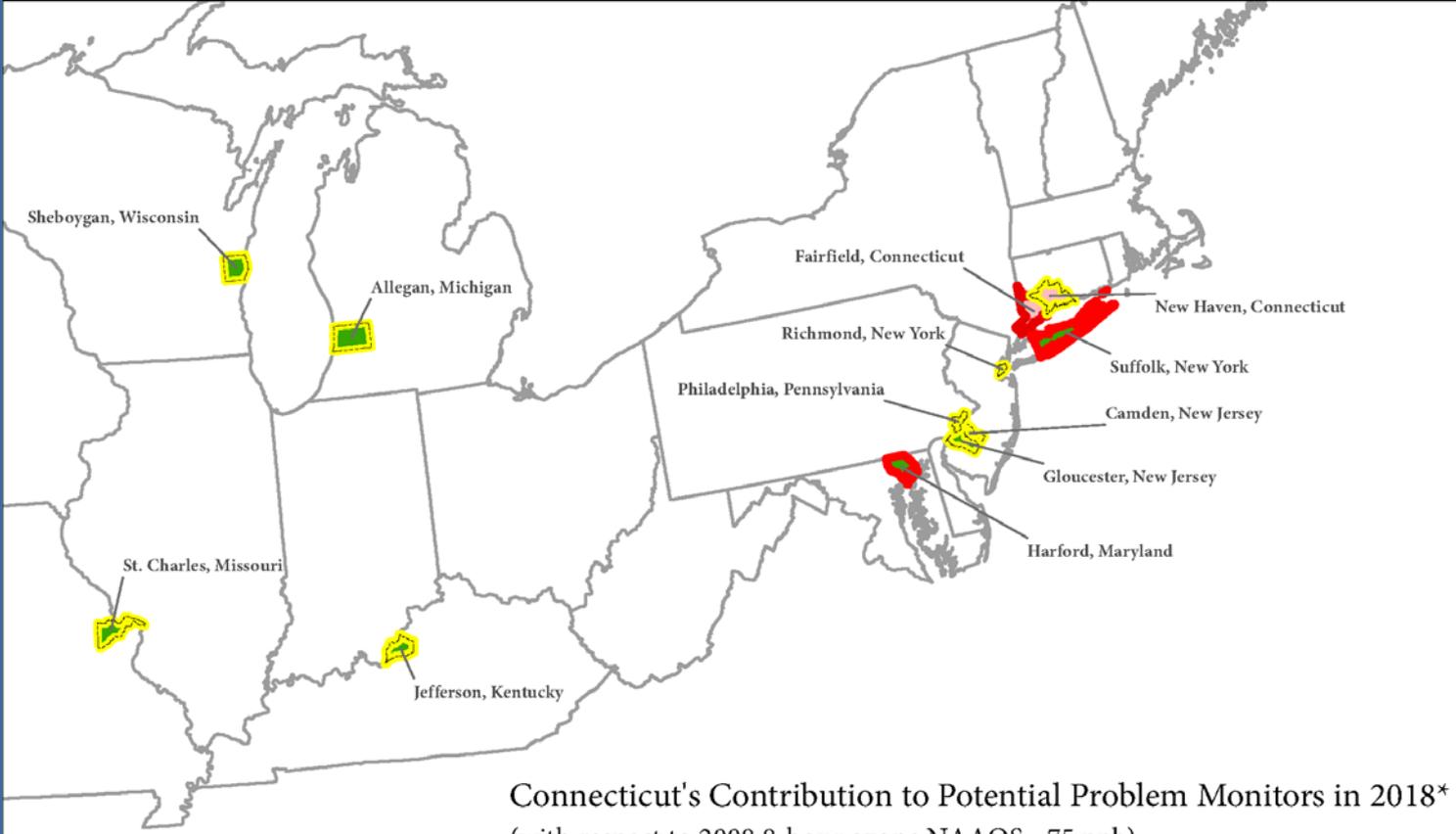


Likely Status of CT-Impacted Monitors thru 2016

(based on 2013 & 2014 4th-highs & historic ozone)



CT Impacts at Potential Problem Monitors in 2018 (based on EPA's recent preliminary Transport Modeling)



Connecticut's Contribution to Potential Problem Monitors in 2018*
(with respect to 2008 8-hour ozone NAAQS= 75 ppb)

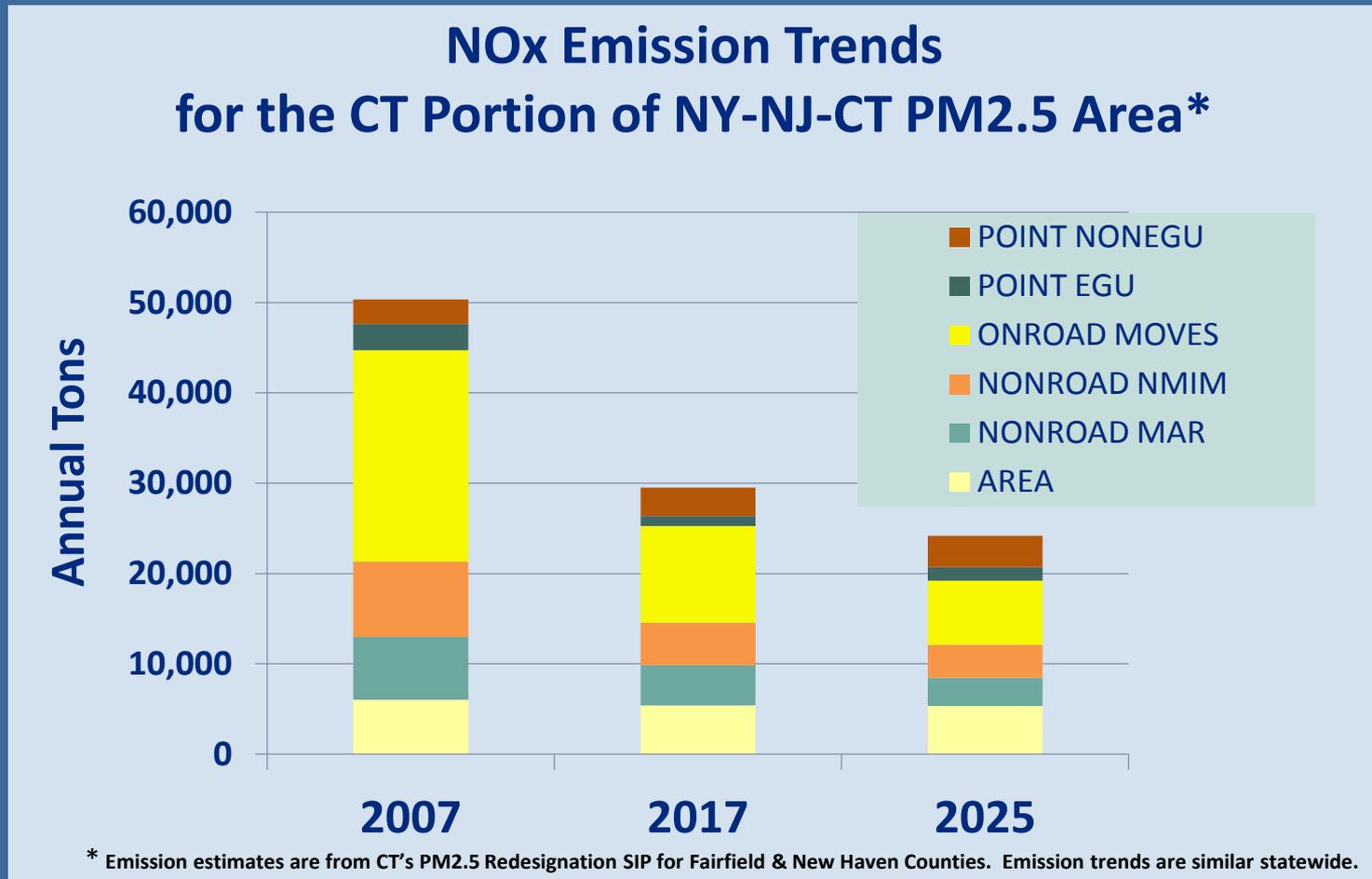
- Projected Non-Attainment Monitors
- Projected Maintenance Monitors
- Less than Significant Contribution from Connecticut
- Significant Contribution from Connecticut

*Source: EPA's Preliminary 2018 Transport Modeling (released January, 2015)

Revised May 13, 2015



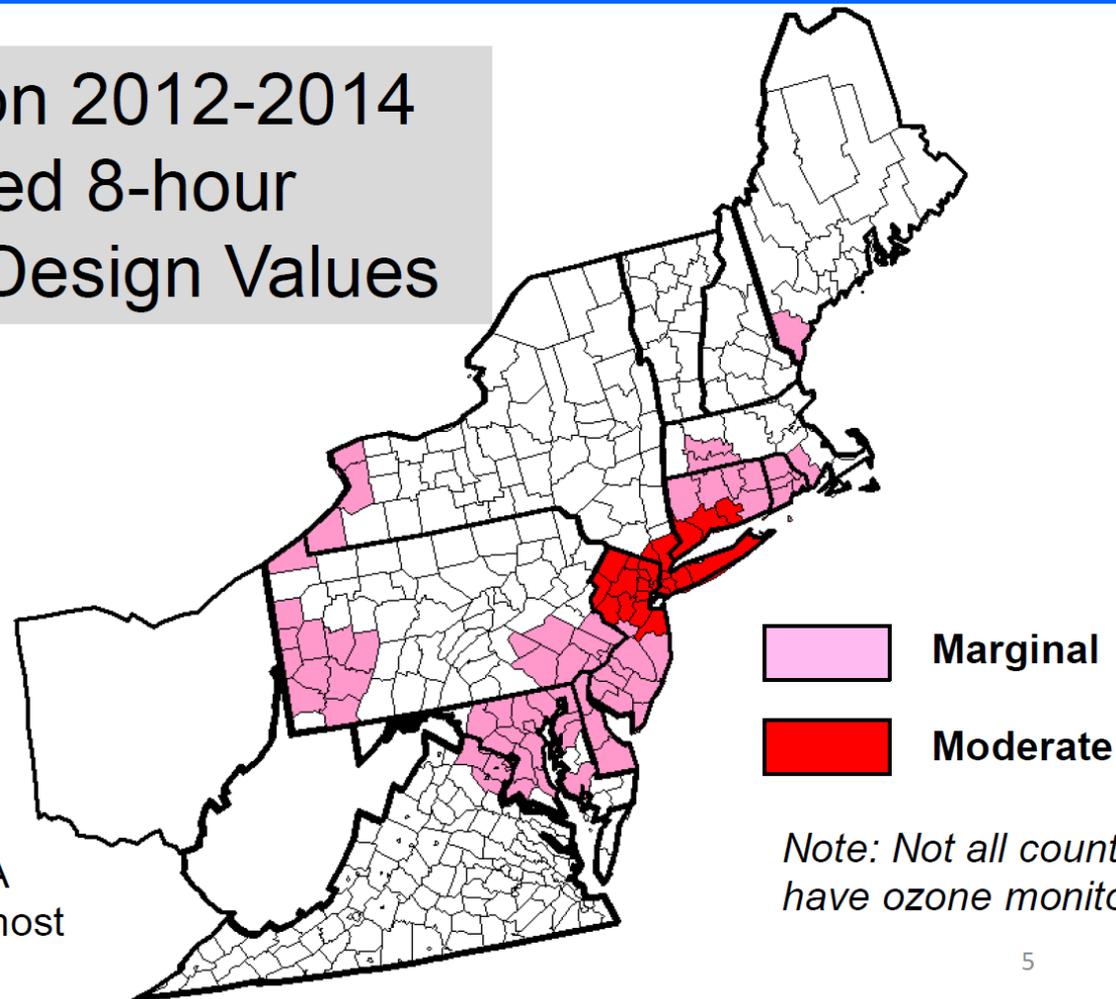
CT's Impacts Should Continue to Decline Beyond 2018



But ... With a Revised NAAQS in Late 2015 Comes a New Good Neighbor Obligation ...

Potential Nonattainment – 70ppb NAAQS

Based on 2012-2014
Monitored 8-hour
Ozone Design Values



Based on CBSA
Boundaries in most
cases



Public Review Period

CT Good Neighbor SIP for 2008 Ozone NAAQS

- Public Notice was posted on April 24, 2015
http://www.ct.gov/deep/cwp/view.asp?a=2684&Q=564608&deepNav_GID=1619
- Potential Hearing on June 4, 2015 at 1pm
 - Hearing will be held only if a request is received by May 27, 2014
- Written comments accepted through June 5, 2015
- Contact: Paul Bodner
 - 860-424-3383
 - paul.bodner@ct.gov



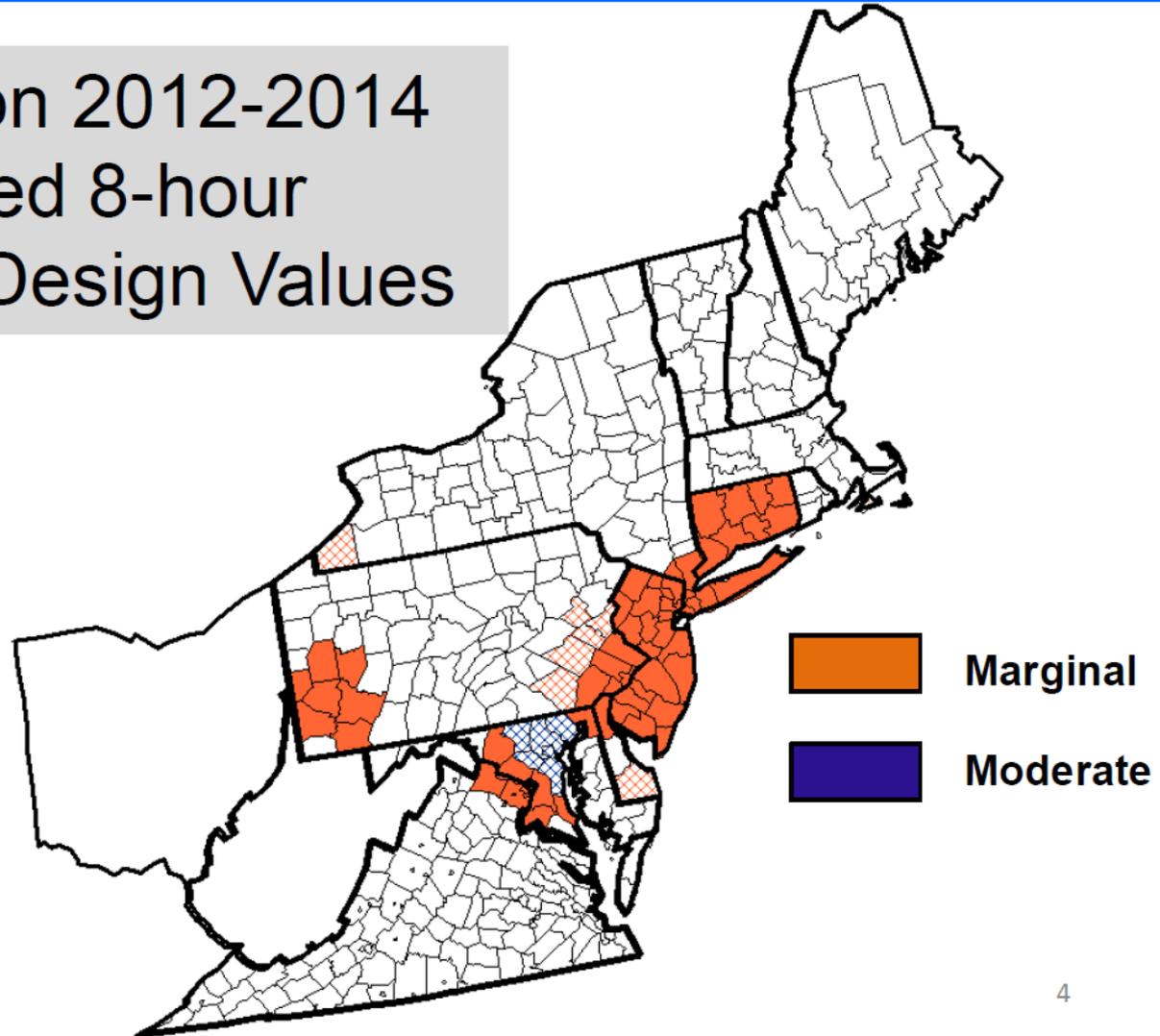
EXTRA SLIDES



Connecticut Department of Energy and Environmental Protection

Designated Areas Not Yet Attaining

Based on 2012-2014
Monitored 8-hour
Ozone Design Values



4

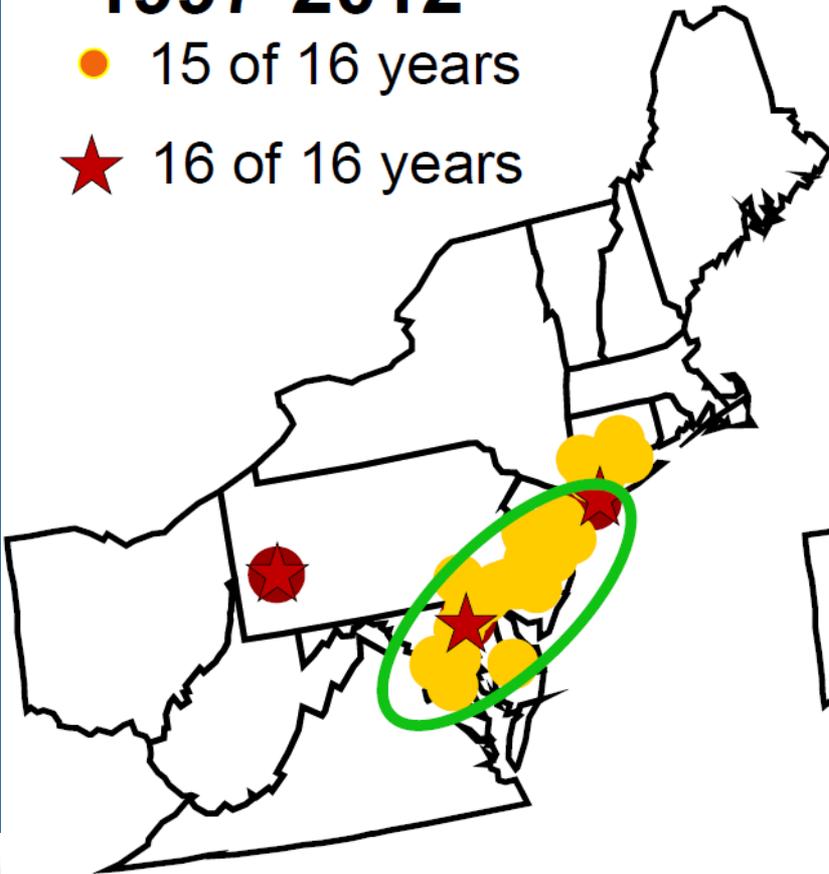


OTR Problematic Locations

Number of Years the 4th High Ozone > 75ppb

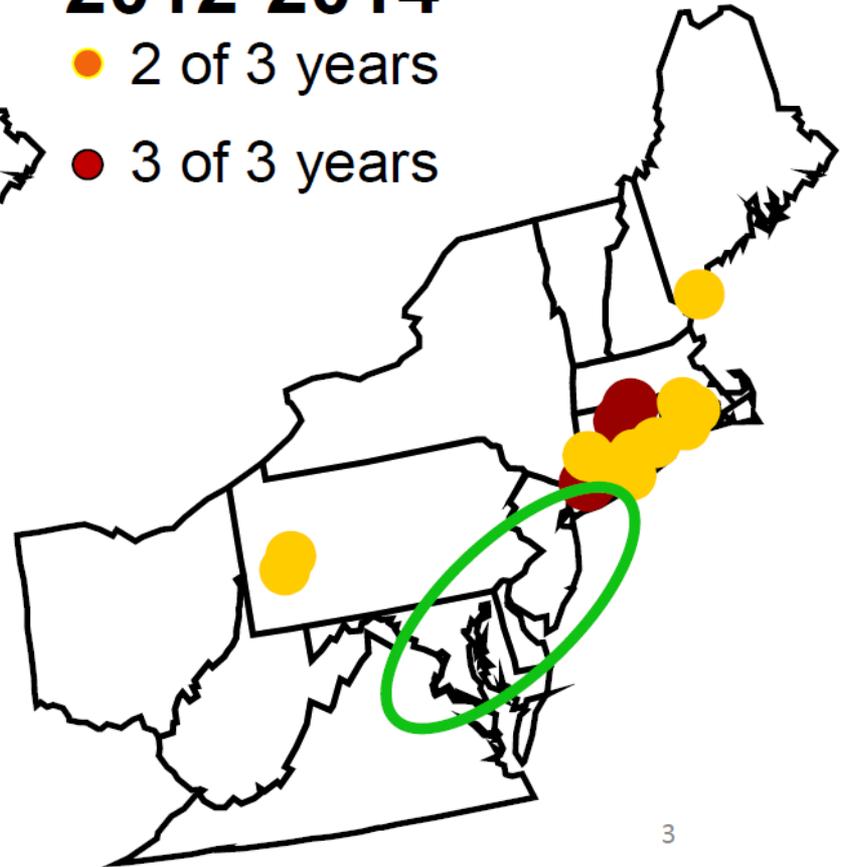
1997-2012

- 15 of 16 years
- ★ 16 of 16 years

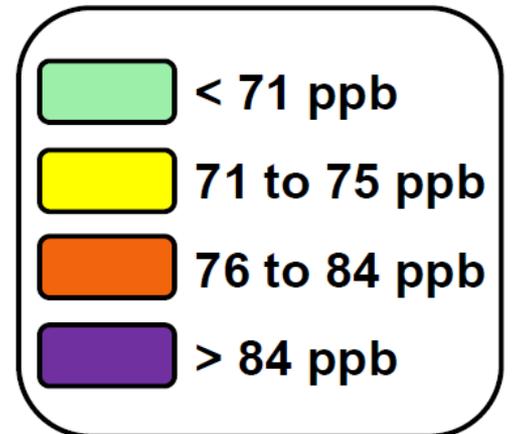
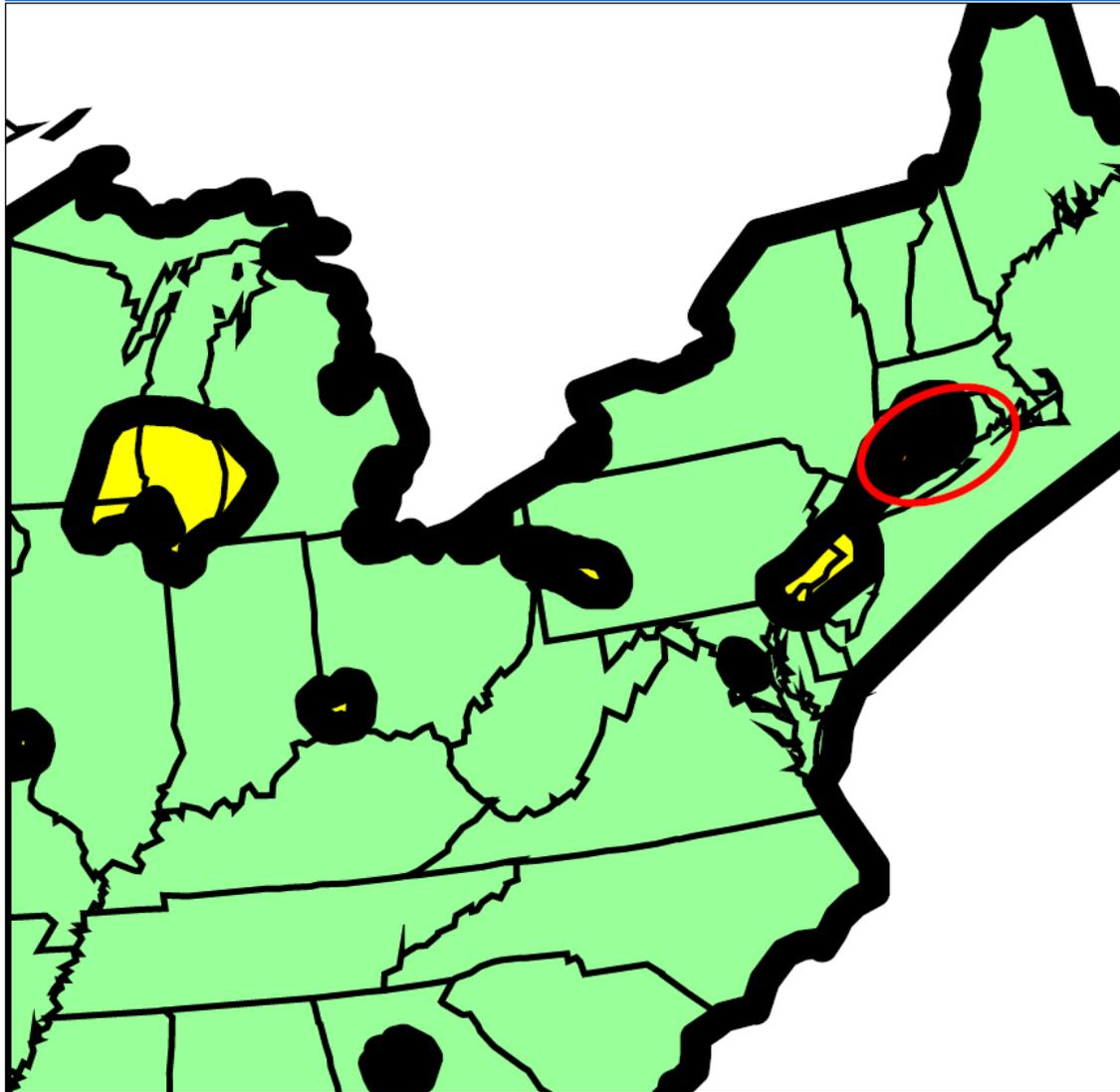


2012-2014

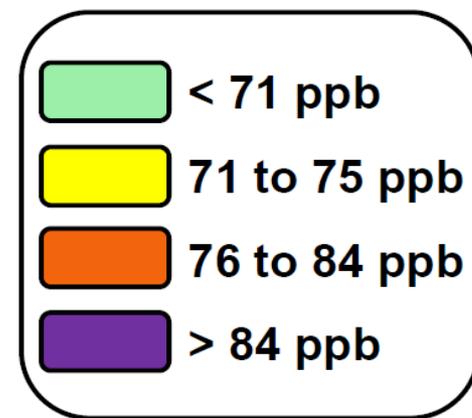
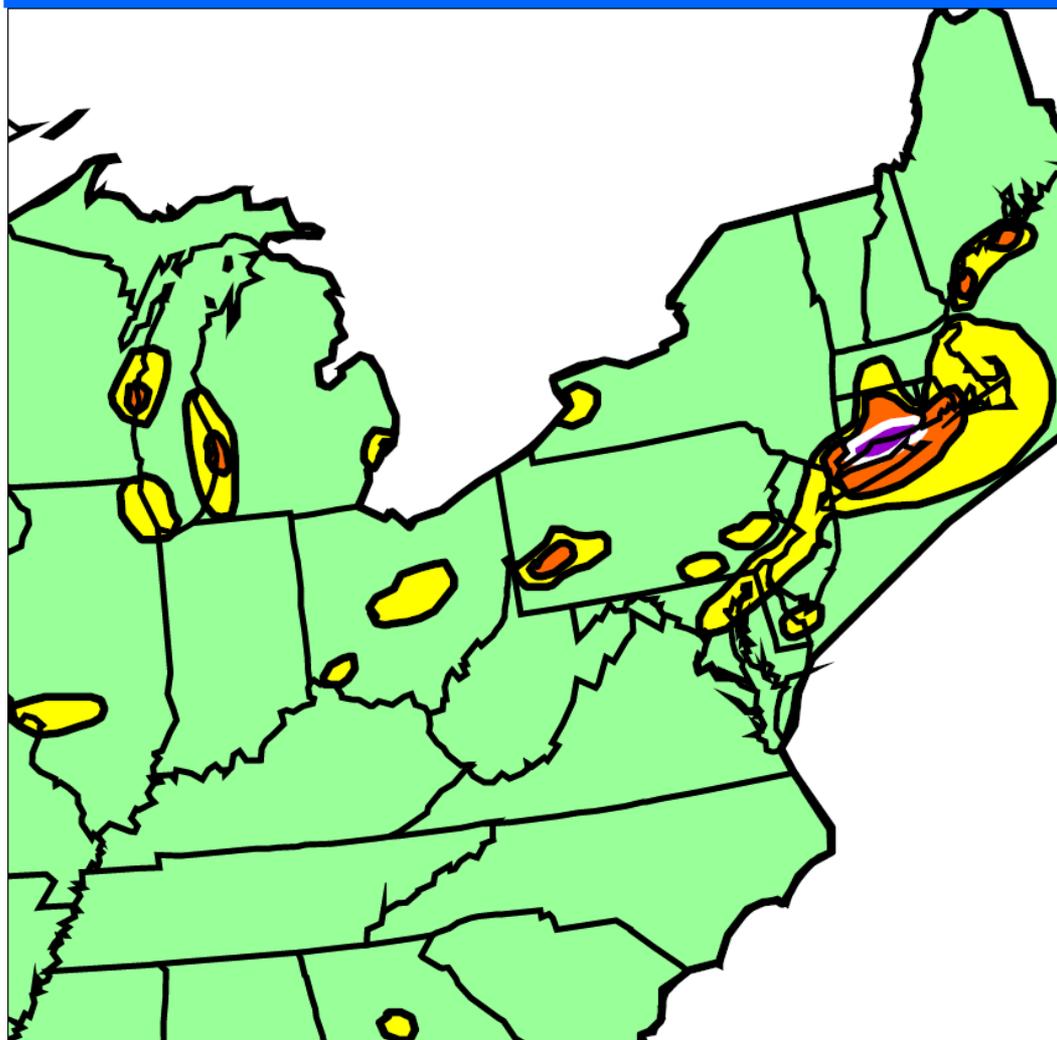
- 2 of 3 years
- 3 of 3 years



2014 Ozone 4th Highest 8-hour Value



2013 Ozone 4th Highest 8-hour Value

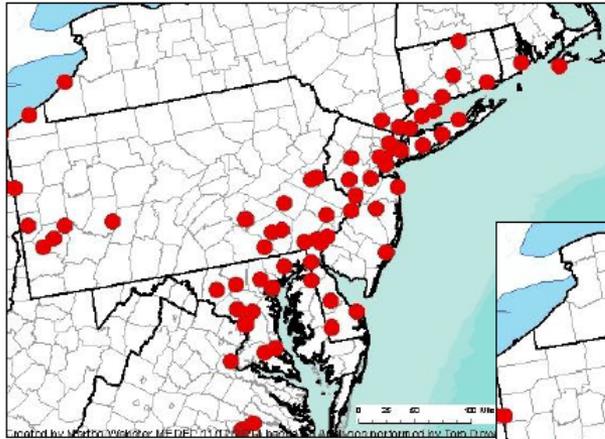


5

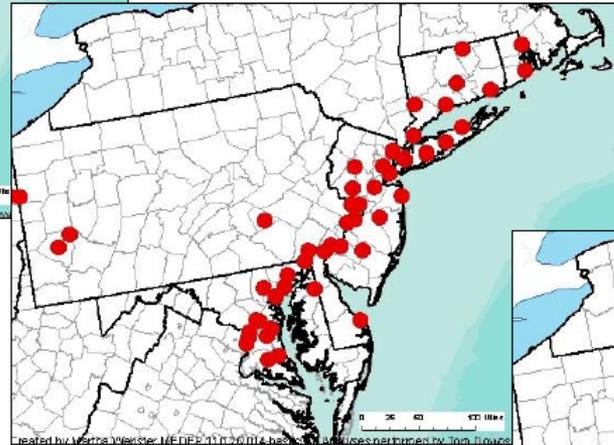


Change in OTR Violations 2012-14

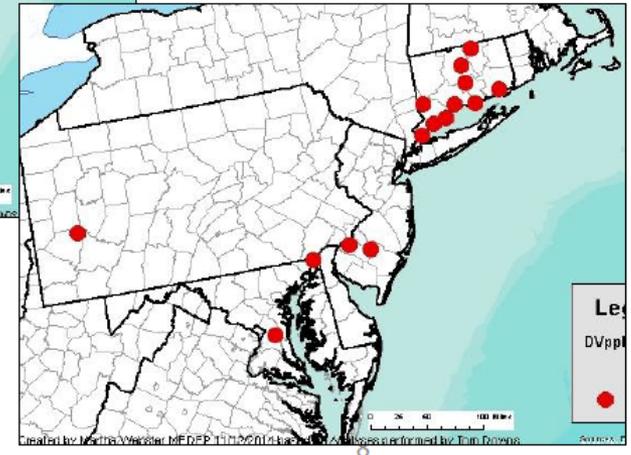
2010-2012



2011-2013



2012-2014



Connecticut Department of Energy and Environmental Protection



Connecticut Department of Energy and Environmental Protection