



MICHIGAN DEPARTMENT OF  
ENVIRONMENT, GREAT LAKES, AND ENERGY

# Michigan Nonattainment Planning

---

Bob Irvine

SIP Development Manager

[irviner@michigan.gov](mailto:irviner@michigan.gov)

517-648-7367

Tom Shanley

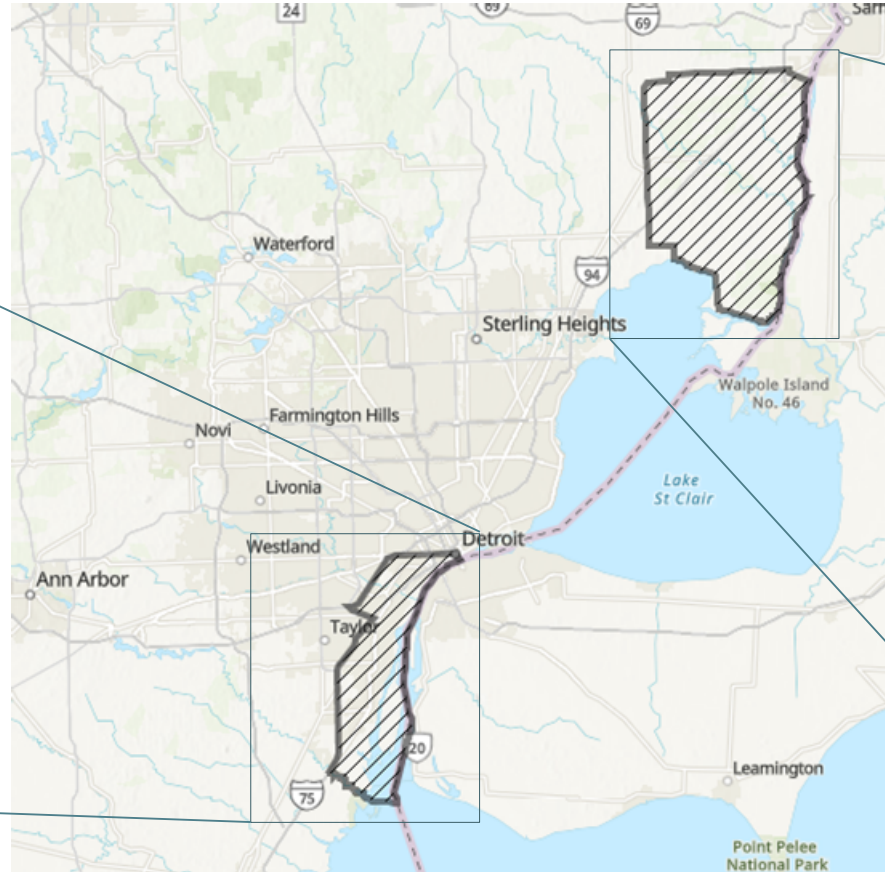
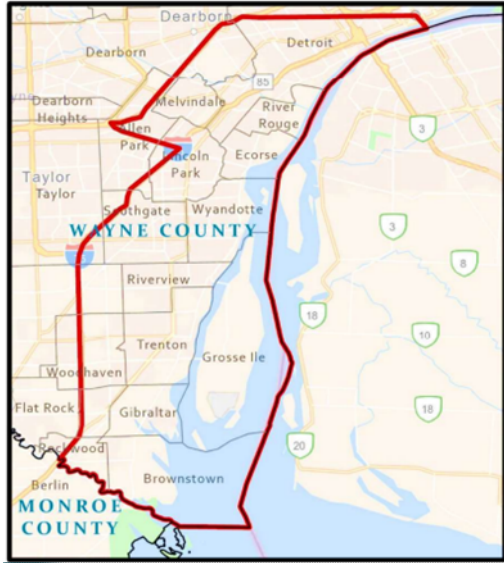
Air Quality Evaluation Manager

[shanleyt@michigan.gov](mailto:shanleyt@michigan.gov)

517-643-3526

# SO2 Nonattainment Planning

## Wayne County Nonattainment

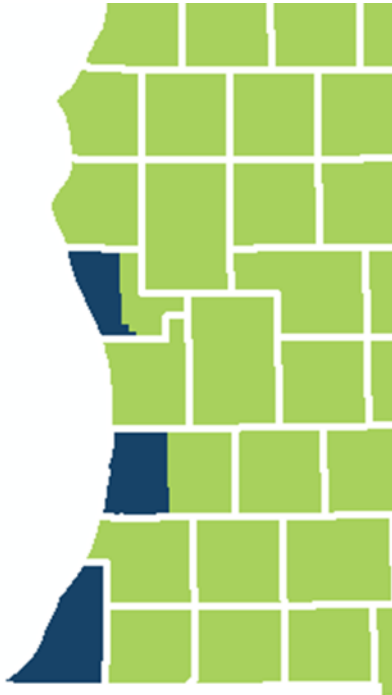


## St. Clair County Nonattainment

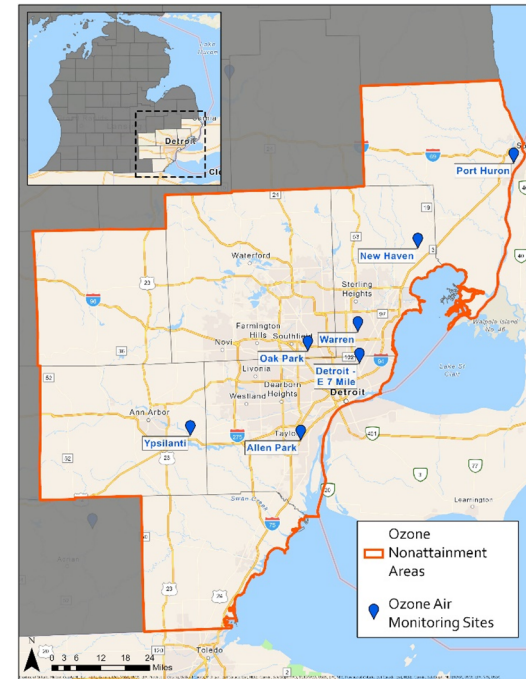


# Ozone Nonattainment Planning

## West Michigan Nonattainment



## Southeast Michigan (SEMI) Nonattainment



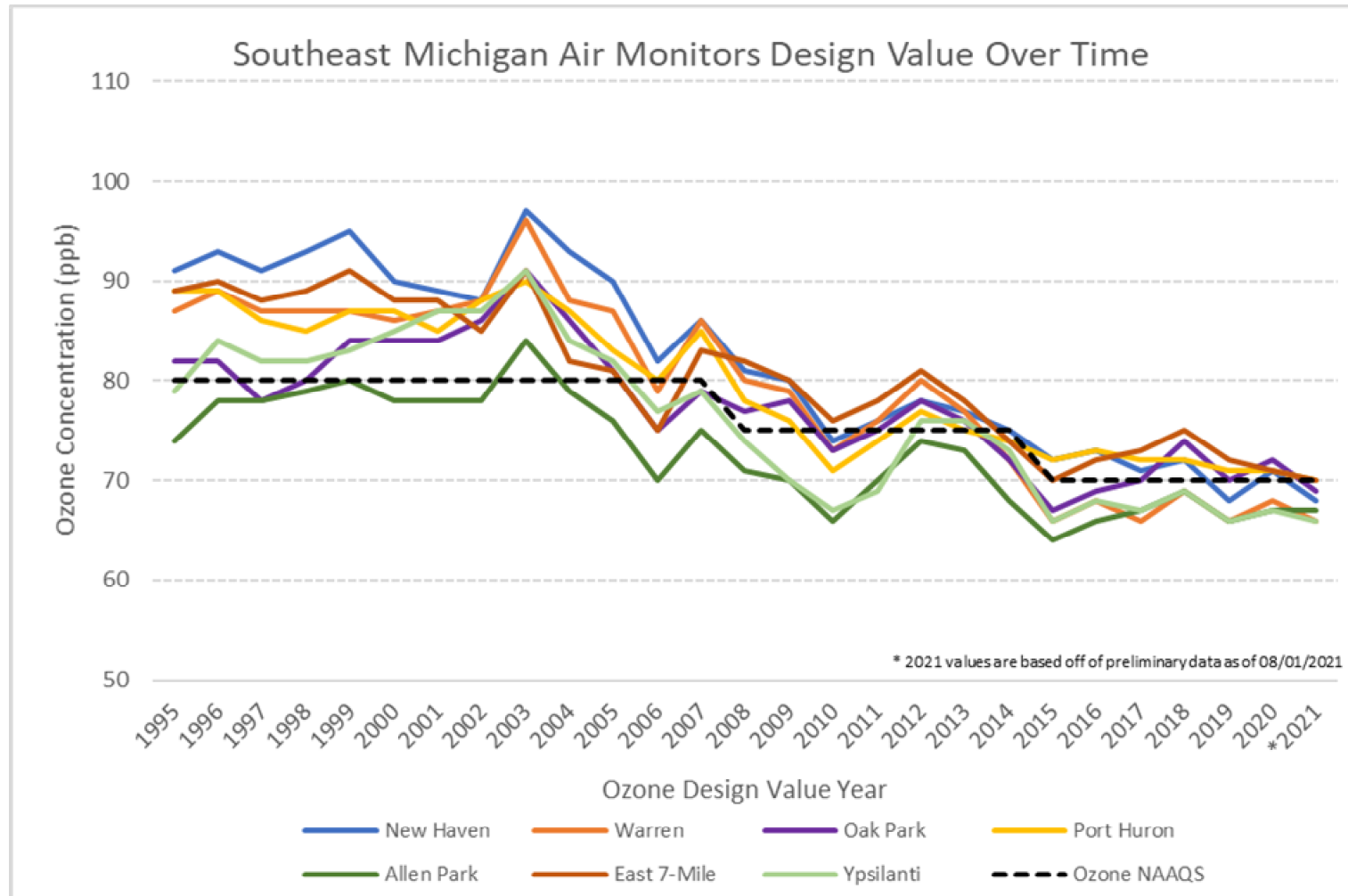
# 2015 Ozone NAAQS Planning Dates

- **August 2018** - Marginal Attainment Designations
- **August 3, 2021** - Marginal Attainment Date (2018 – 2020 data)
- **Early 2022** - Reclassification (“bump-up”) to Moderate Nonattainment
- **Early 2023** - Projected Moderate SIP Submittal Due
- **August 3, 2024** - Moderate Attainment Date (2021 – 2023 data)

# Required Moderate Ozone Attainment Planning Elements

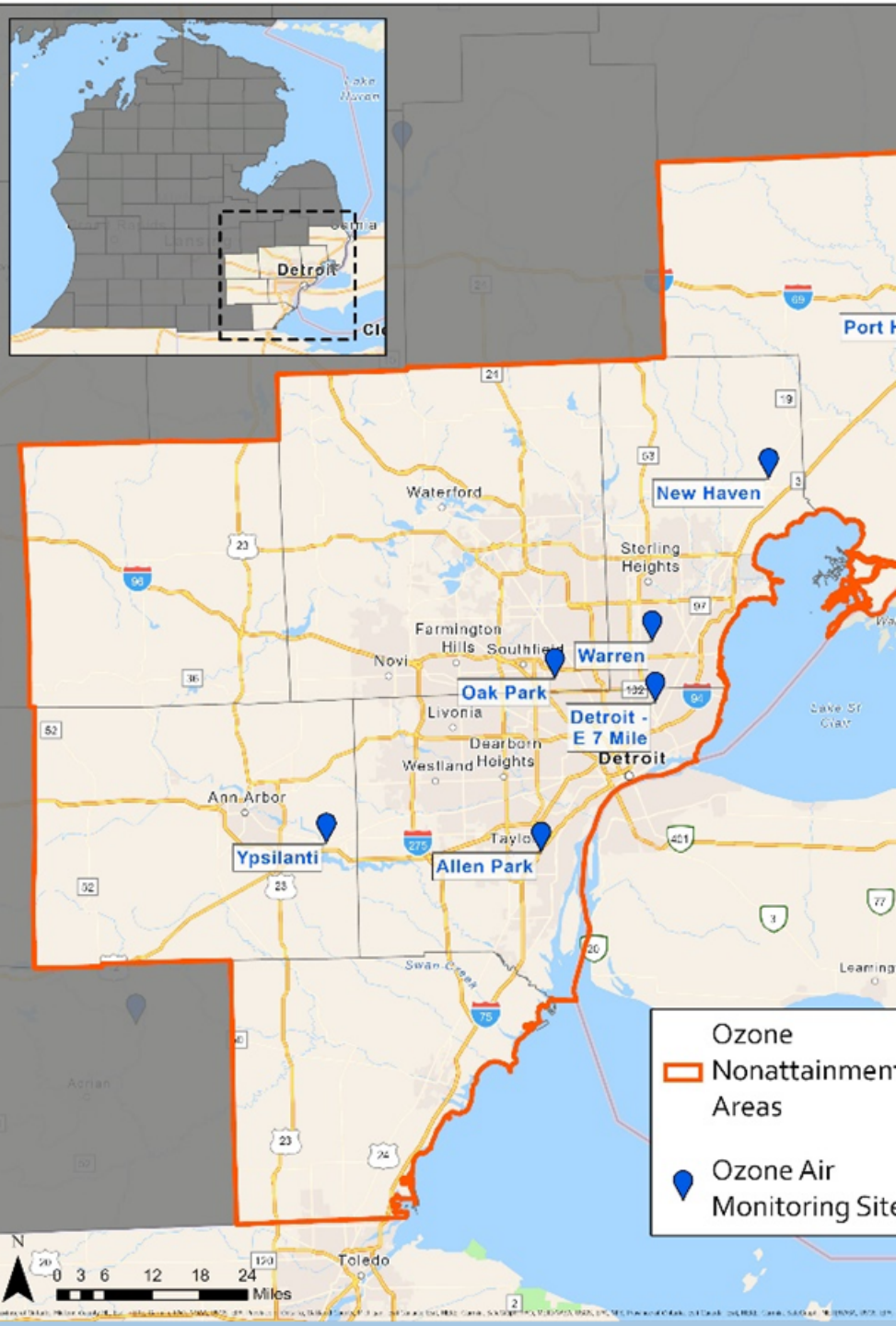
- Reasonably Available Control Technology (RACT)
- Reasonable Further Progress (RFP)
  - Consumer Products
  - Architectural and Industrial Maintenance coatings (AIM)
  - Volatile Chemical Products (VCP)
  - VW and DERA reductions
  - Power plant shutdowns
  - Pipeline replacements
- Motor Vehicle Inspection and Maintenance (I/M) - *SEMI only*
- Attainment Demonstration

# SEMI Design Values



# Southeast MI Ozone Nonattainment

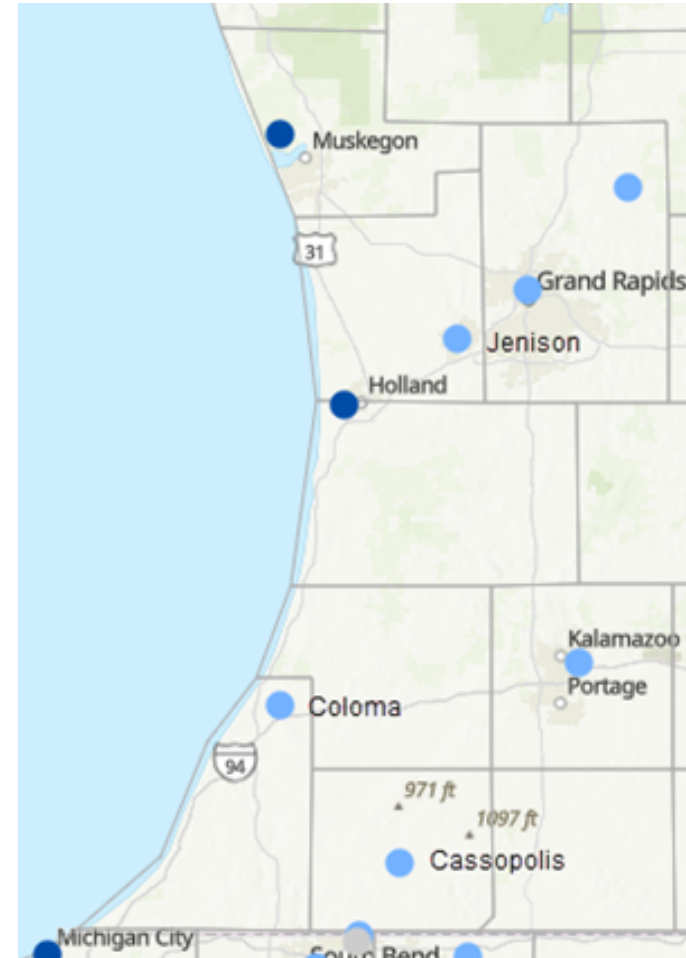
- Ongoing Moderate Nonattainment Planning
  - (RACT, RFP, Vehicle I/M, attainment demo)
- Redesignation Request
  - Pending comment period
  - Potential submittal to USEPA by year end
- Field studies (MOOSE, MERLIN, etc.)



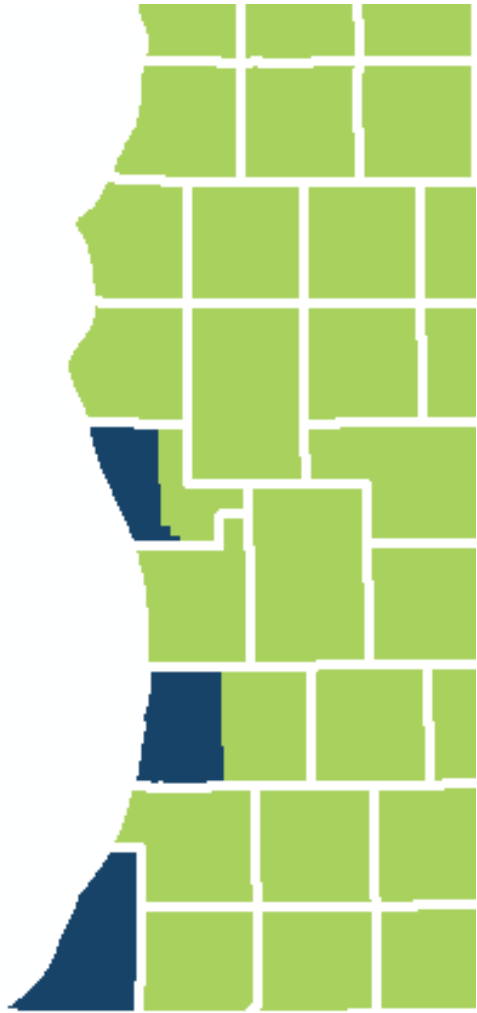
# West Michigan Ozone Monitoring

Key Monitor	2017 - 2019 Design Values (ppb)	2018 – 2020 Design Value (ppb)	2019 - 2021 Design Value* (ppb)
Muskegon	74	76	74
Jenison	67	71	69
Holland	72	73	75
Coloma	69	72	71
Cassopolis	70	71	68

\* Preliminary – subject to validation







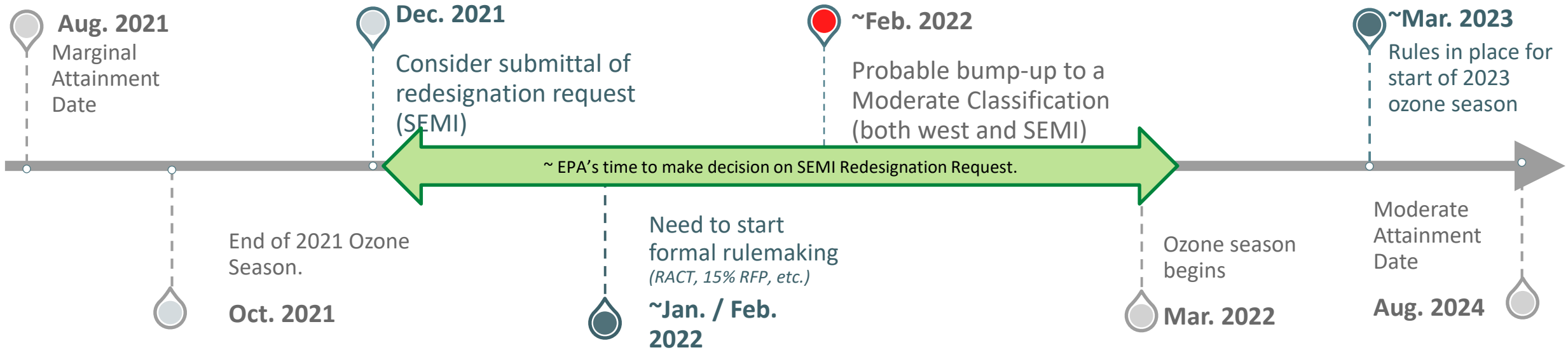
# West MI Ozone Nonattainment

---

- Ongoing Moderate Nonattainment Planning
  - (RACT, RFP, attainment demo)
- Rulemaking in 2022
  - RACT
  - May include: Architectural and Industrial Maintenance Coatings, Consumer Products, others
- Interstate Transport Reductions

# Ozone Planning Timeline

## Moderate Bump-up — Southeast MI & West MI



\* EPA unlikely to redesignate with 4<sup>th</sup> high monitor value that puts the DV over the standard.

# Questions

---

Thank you!