



MICHIGAN DEPARTMENT OF  
ENVIRONMENT, GREAT LAKES, AND ENERGY

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# NAAQS Planning Update

December 13, 2023

Air Quality Division

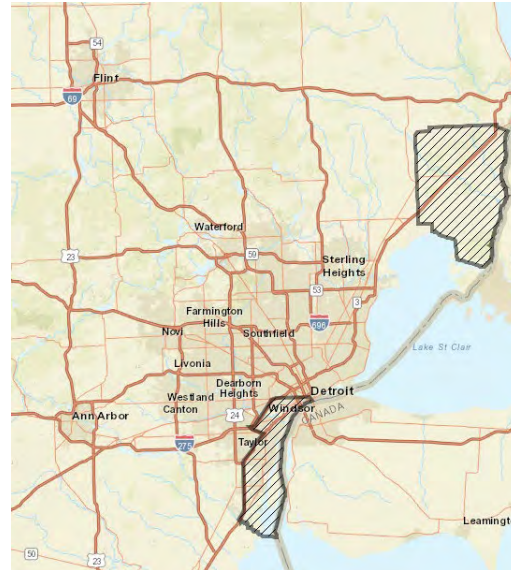
Bob Irvine and Tom Shanley

# We'll Cover ...

- Sulfur Dioxide (SO<sub>2</sub>) Update
  - St. Clair and Detroit Nonattainment Areas
- Ozone Planning Update
  - West MI Moderate Classification
  - Southeast MI Maintenance Status
    - Potential contingency provisions

# Sulfur Dioxide Nonattainment Areas

## Wayne County



## St. Clair County

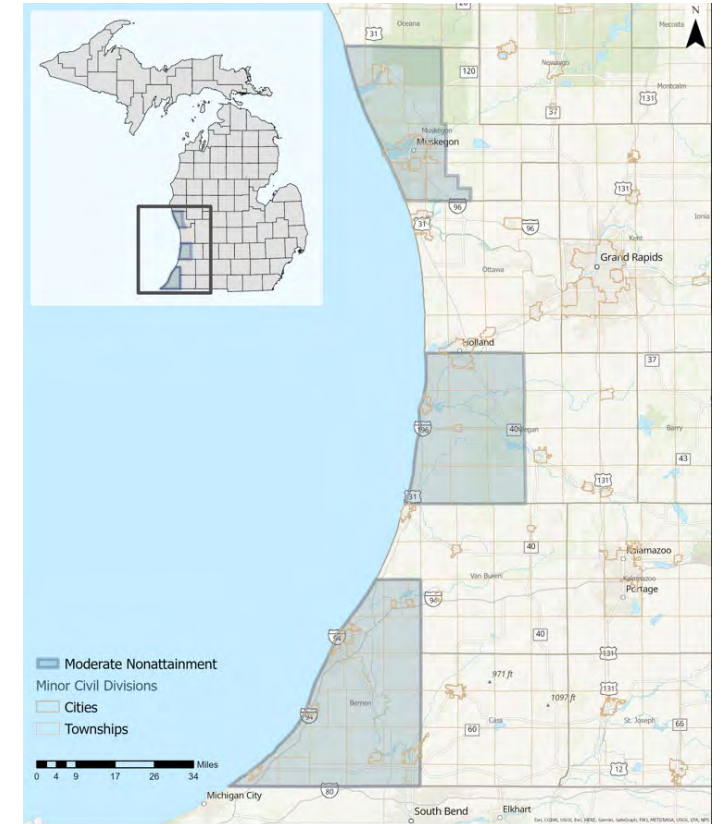


# SO<sub>2</sub> Nonattainment Update

- Detroit SO<sub>2</sub> Nonattainment
  - Federal Implementation Plan
  - State Implementation Plan – Conditional/Final Approval
  - Redesignation Request in 2024
- St. Clair SO<sub>2</sub> Nonattainment
  - Clean Data Determination
  - St. Clair Power Plant Retirement
  - Redesignation Request

# West Michigan Ozone Planning Update

- Moderate Reclassification effective November 7, 2022
- Attainment SIP submitted, October 2023
- Additional elements being worked on:
  - NO<sub>x</sub> RACT Rulemaking (including contingency measures)
  - Part 6 and Part 8 SIP submittals



# Part 8 NO<sub>x</sub> Rules Timeline

- **Fall 2019:** Initial stakeholder engagement
  - Semi-regular meetings since
- **Summer 2022 – 2023:** Rule language drafted in earnest
  - Informal drafts shared with stakeholders and EPA, revised based on feedback
- **December 2023:** Formal rulemaking started as draft rules are being finalized
- **Yet to do:** ERRC, Formal Public Comment, Revisions based on comments received, LSB/MOHR review, JCAR
- **Mid 2024:** Promulgation target (subject to processes beyond our control)

# Southeast Michigan Planning

- Redesignation Request (2019-2021) submitted in January 2022
- Moderate Reclassification FR Notice February 1, 2023
- Redesignation on May 19, 2023 – Attainment/Maintenance



Southeast 2015 Ozone  
Maintenance Area

# Southeast MI Maintenance Plan

- Section 4 of [Redesignation Request](#)
- Contingency Provisions
  - Warning Level Response
    - One-year MDA8 4<sup>th</sup> High of 74 ppb or greater
    - Study to determine whether there's a trend toward high ozone concentrations
  - Action Level Response
    - Two-year average of MDA8 4<sup>th</sup> High of 71 ppb or greater
    - “...determine additional control measures needed to assure future attainment...”
- Preliminary 2023 data suggests contingency provision control measures may be required.



# Implementation of Contingency Provisions

- Triggers are subject to consideration for exceptional events, malfunction, noncompliance with permit/rule determinations
- Address an upward trend and ensure the area maintains attainment
- 18 months to implement needed control measures
- Possible Control Measures
  - RACT, fleet vehicles emission reduction programs, minor source controls, permitting offsets, transportation strategies, formaldehyde and/or NOx controls for stationary engines, Phase 5 consumer products rules; others

# Control Measure Consideration



- Seeking the Council's input on control measure selection, if necessary.
- How do we identify appropriate stakeholders?
- How should EGLE select the appropriate control measure?
- Are there existing plans for reductions (i.e., fleet programs)?

# Helpful Links

- EGLE AQD SIP Ozone Nonattainment Webpage  
<https://www.michigan.gov/egle/about/organization/air-quality/state-implementation-plan/ozone-nonattainment>
- EGLE AQD air monitor sites and nonattainment area map  
<https://egle.maps.arcgis.com/apps/webappviewer/index.html?id=9a4c80a5c7fa4088971757504a3c0ba1>
- Southeast Michigan Redesignation Request includes the area's maintenance plan  
<https://www.michigan.gov/egle/-/media/Project/Websites/egle/Documents/Programs/AQD/State-Implementation-Plan/recent-aq-planning-actions-and-documents/ozone-se-mi-redesignation-public-comment-document.pdf>
- *Federal Register*: Redesignation of the Detroit, MI Area to Attainment of the 2015 Ozone Standards  
<https://www.federalregister.gov/d/2023-10563>

# Questions

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Thank you!