



Air Quality Planning Updates

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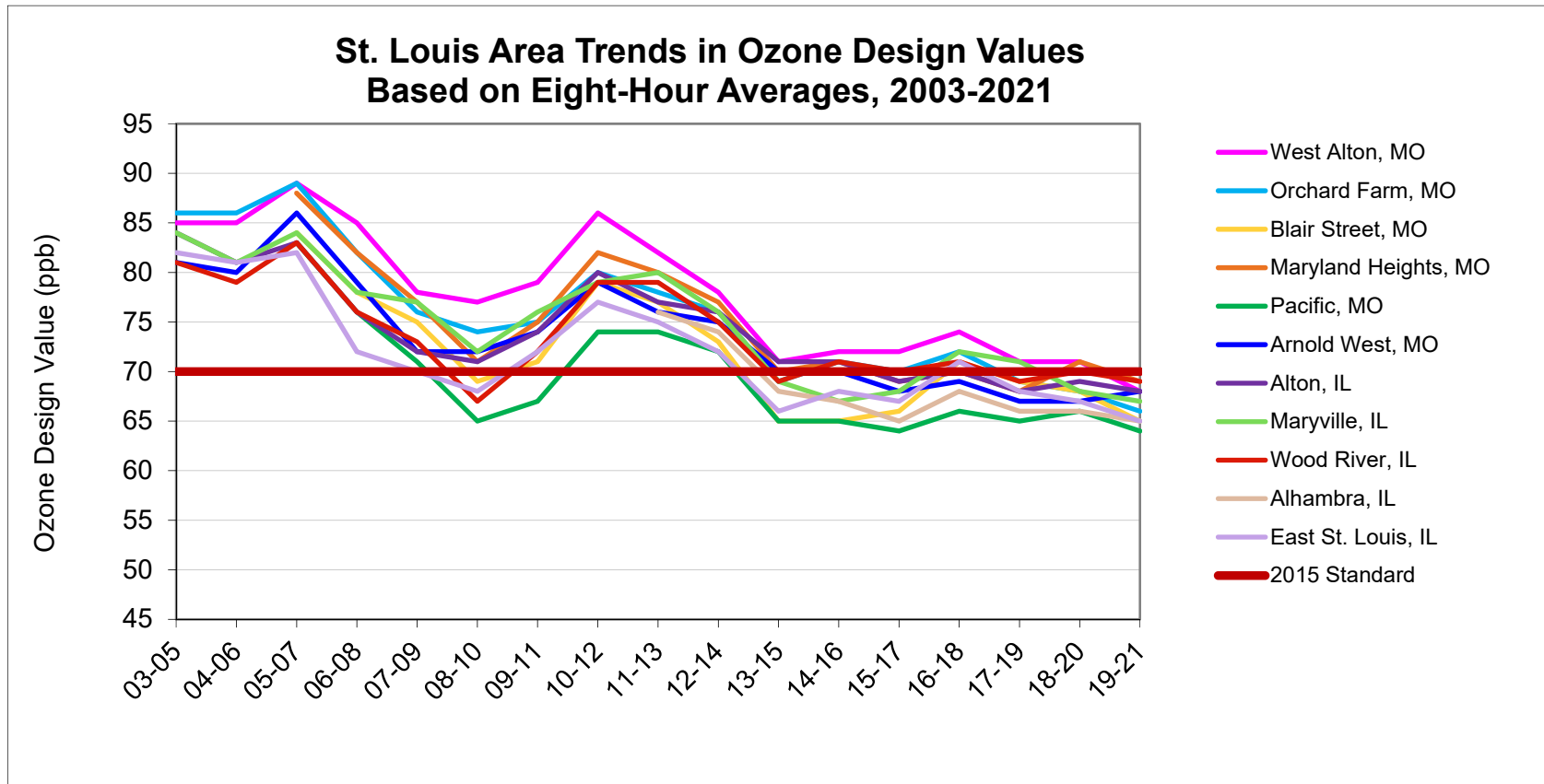
May 3, 2022

Presentation Overview

- St. Louis Ozone Maintenance Plan and Redesignation Request
- 2015 Ozone Good Neighbor Plan Updates
- Regional Haze 2nd Planning Period

St. Louis Ozone Maintenance Plan and Redesignation Request

2021 – All monitors comply with 2015 ozone standard



St. Louis Ozone Maintenance Plan and Redesignation Request

- January 2022 - Department certifies 2021 ozone monitoring data with EPA
- February 2022 - EPA approved the West Alton data completeness demonstration for 2019
- March 31, 2022 - Missouri Air Conservation Commission Adoption
 - April 8, 2022 - Department submits to EPA the maintenance plan and redesignation request for the St. Louis ozone nonattainment area

St. Louis Ozone Nonattainment Area Proposed Bump-up

- April 13, 2022 – EPA proposes determinations of attainment by attainment deadlines for marginal nonattainment areas under the 2015 ozone standard
 - The proposal will reclassify (bump-up) the St. Louis nonattainment area from marginal to moderate
- Since the Department submitted the redesignation request prior to the bump-up, EPA may approve the redesignation considering only marginal area requirements in place at the time of submittal

2015 Ozone Standard – Good Neighbor Plan Updates

- February 22, 2022 - EPA proposes to disapprove Missouri's good neighbor SIP for the 2015 ozone standard
 - April 22, 2022 - Department submits comments opposing the proposed disapproval
- April 6, 2022 – EPA proposes federal plans for 26 states to address good neighbor obligations under the 2015 ozone standard
 - June 6, 2022 – Comment deadline on the proposed good neighbor FIPs

2015 Ozone Standard – Good Neighbor Plan Updates

- The Department is working with stakeholders to potentially submit a supplement to Missouri's 2019 good neighbor SIP submission
- EPA is under a federal consent decree that requires final action on Missouri's SIP by December of 2022

Proposed Good Neighbor FIP – 2015 Ozone Standard

- The proposed federal plan establishes NOx emission reduction requirements for power plants and other industrial sources in 26 states including Missouri
- Emission reductions from power plants are proposed to begin in 2023
- Emission reductions from other industrial source categories are proposed to begin in 2026

Proposed Good Neighbor FIP – 2015 Ozone Standard

- Electric Generating Units (Power Plants)
 - New NOx ozone season (May-September) emission budgets for 25 states, including Missouri, starting in 2023
 - New, more stringent, provisions to ensure individual units do not exceed their budgets (assurance provisions)
 - Emission budgets ratchet down again in 2026 for 23 states, including Missouri

Proposed Good Neighbor FIP – 2015 Ozone Standard

- Other Industrial Sources
 - Proposed FIP includes new requirements for NOx ozone season emission rates for the following source categories
 - Cement and Concrete Product Manufacturing
 - Glass and Glass Product Manufacturing
 - Natural Gas Transportation
 - Basic Chemical Manufacturing
 - Petroleum and Coal Products Manufacturing
 - Pulp, Paper, and Paperboard Mills
 - Potentially Metal Ore Mining and Lime and Gypsum Product Manufacturing

Regional Haze – 2nd Planning Period

- The Regional Haze Rule requires states to address visibility impairment in federal class I areas resulting from man-made air pollution
- The rule establishes a national goal to achieve natural visibility conditions in all of these areas by 2064
- The Department submitted Missouri's original Regional Haze plan in 2009
- The rule requires states to update their plans every 10 years

Regional Haze – 2nd Planning Period

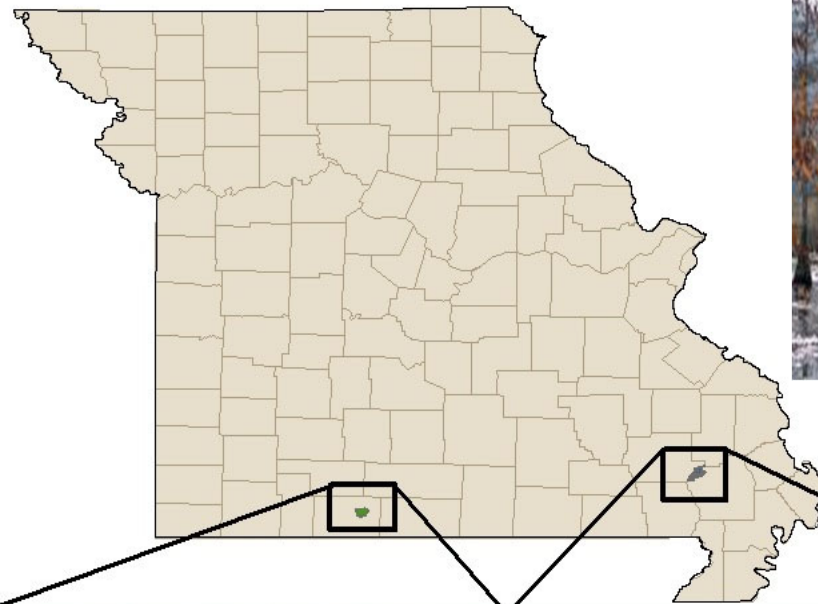
Missouri's Federal Class I Areas




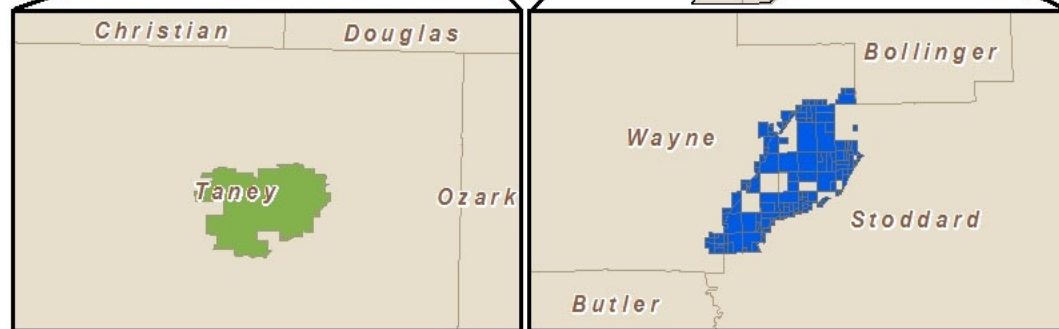
Hercules-Glades
Wilderness Area



Mingo
Wildlife Refuge

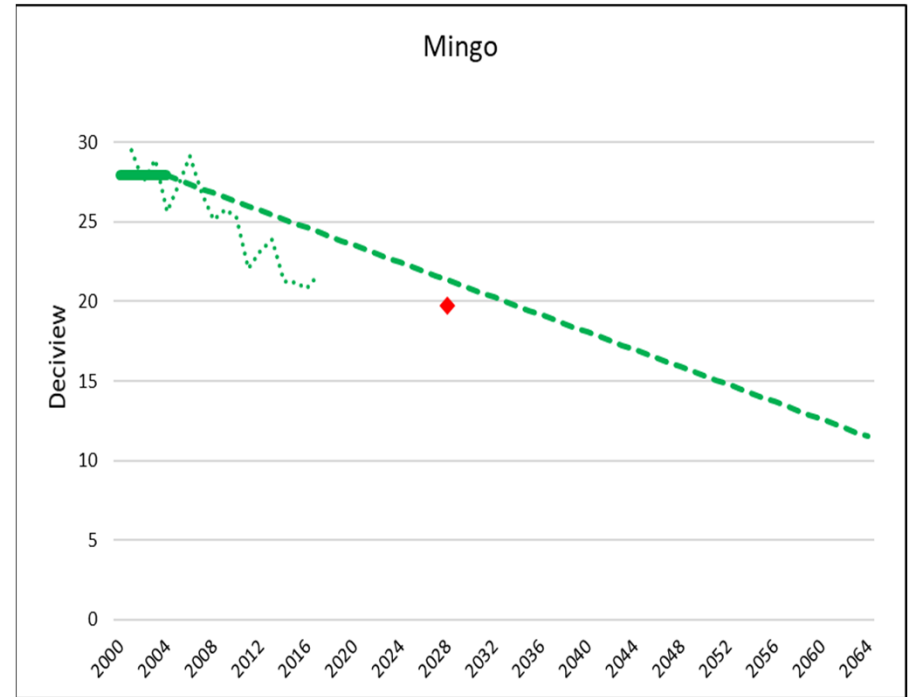
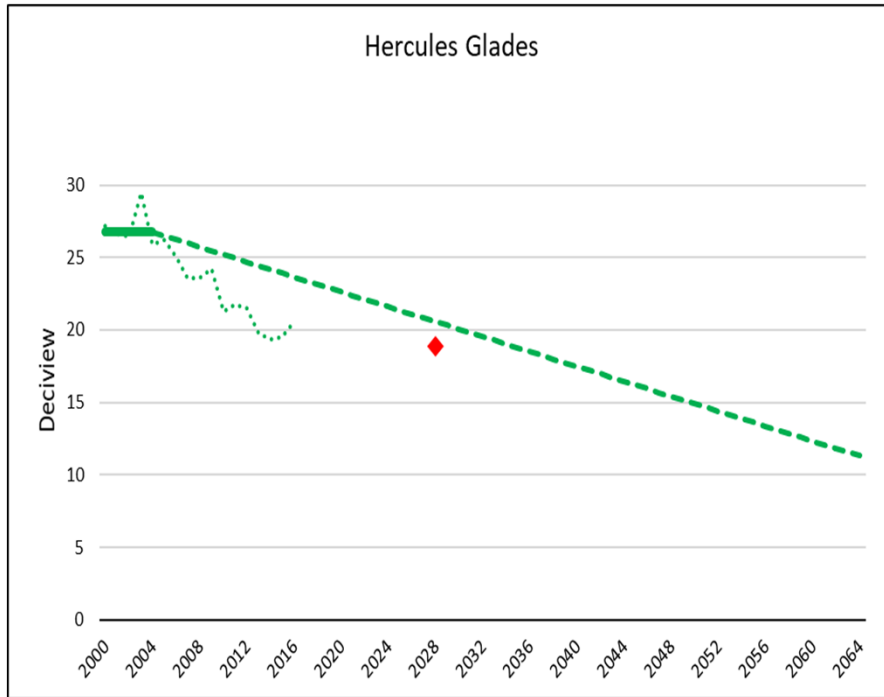


-  Hercules Glades
-  Mingo
-  County Boundaries



Regional Haze – 2nd Planning Period

Missouri's Federal Class I Areas



- - - Glidepath
 ⋯ 2004-2018
 — 2000-2004 Baseline
 ◆ 2028 EPA's Modeling Result

Regional Haze – 2nd Planning Period

- July 31, 2021 – Regional Haze Rule deadline for states to submit plans for second planning period
- February 7, 2022 – Environmental groups file notice of intent to sue EPA to issue findings of failure to submit 2nd round Regional Haze plans
 - April 13, 2022 – groups filed the lawsuit
- April 7, 2022 – EPA announces it will issue findings of failure to submit by August 31, 2022
 - States must submit their plans by August 15, 2022 to avoid inclusion on the list of states in the findings

Regional Haze – 2nd Planning Period

- March 28, 2022 – Department posts Missouri’s proposed Regional Haze plan for public notice and comment
- April 28, 2022 – Public hearing on Missouri’s proposed Regional Haze plan
- July 28, 2022 – Anticipated adoption date for Missouri’s proposed Regional Haze plan

Questions?

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