

Total Transportation Policy Committee meeting

December 17, 2024

Item #1

Welcome and introductions

Zoom attendees, please:

- **Sign into the chat box to register your attendance.**
 - **Use your full name for your screen name.**
 - **Mute your microphones unless speaking to the group.**
 - **Turn on your cameras when speaking to the group.**
 - **Type questions in the chat box.**
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Item #2

VOTE: November 19, 2024, Meeting Summary

Item #3

VOTE: 2024 Suballocated Funding Recommendations

Presenter: Marc Hansen, MARC



2024 Suballocated Programs Call for Projects

TOTAL TRANSPORTATION POLICY COMMITTEE

DECEMBER 17, 2024

Programming Timeline

Phase II

- June 21, 2024 Phase II Technical Application – Call for Projects launched
- June 26, 2024 Phase II Technical Application Workshop
- July 26, 2024 Phase II Technical Application Deadline
- Mid/Late September Staff Assessment Complete
- November/December Programming recommendations made to TTPC
- Late January 2025 TTPC/MARC Board approval of programming recommendations

Committee Work

- | | |
|-------------------|---|
| October 28, 2024 | Transportation Emissions Committee finalized recommendations for 2027-2028 Kansas & Missouri CMAQ and 2025-2028 Kansas & Missouri CRP funding |
| October 29, 2024 | Missouri STP Priorities finalized recommendations for 2027-2028 Missouri STBG funding |
| October 30, 2024 | Active Transportation Programming Committee finalized recommendations for 2027-2028 Kansas & Missouri TA funding |
| October 31, 2024 | Kansas STP Priorities finalized recommendations for 2027-2028 Kansas STBG funding |
| November 19, 2024 | Recommendations presented to TTPC for review. TTPC provided feedback on the Missouri STP recommendation to be discussed at the December 10, 2024, meeting of the committee. |

There have been no modifications to the recommendations previously presented for CMAQ, CRP, TA, or KS STP funding

Missouri STP

December 10, 2024 Meeting

- ▶ Discussed feedback provided by TTPC
- ▶ Reviewed/discussed a scenario presented by Kansas City, MO designed to address:
 - ▶ Allocation Methodology
 - ▶ Distribution of funds
 - ▶ Population considerations
- ▶ By an 11-14 (1 abstention) vote, declined to reopen negotiations to the previously approved recommendation
- ▶ At the request of Kansas City, MO, the following modifications were made:
 - ▶ Removed funding from the Grand Blvd Bicycle/Pedestrian Bridge (\$2.6M)
 - ▶ Assigned \$944,000 of funds that were allocated to Kansas City, MO to specific projects
 - ▶ The modifications increased the funding for the 63rd St and Pleasant Valley Road projects to \$6,972,000 each
 - ▶ The vote implementing these modifications was approved unanimously

Next Steps

- ▶ All recommendations included in TIP amendment
- ▶ Amendment to be released for public comment
 - ▶ TTPC agenda item 4
- ▶ Approval of amendment scheduled for January



Discussion/Questions?

Marc Hansen
mhansen@marc.org

Item #4

VOTE: 2025 1st Quarter Amendment to the 2024-28 Transportation
Improvement Program

Presenter: Marc Hansen, MARC

Item #5

VOTE: 2025 Unified Planning Work Program – Amendment #1

Presenter: Marc Hansen, MARC

Item #6

REPORT: Climate Action Plan Update

Presenter: Tom Jacobs, MARC

Climate Planning Update

December 17, 2024

NET ZERO
REGION
BY 2050



**Regional
CLIMATE ACTION PLAN**

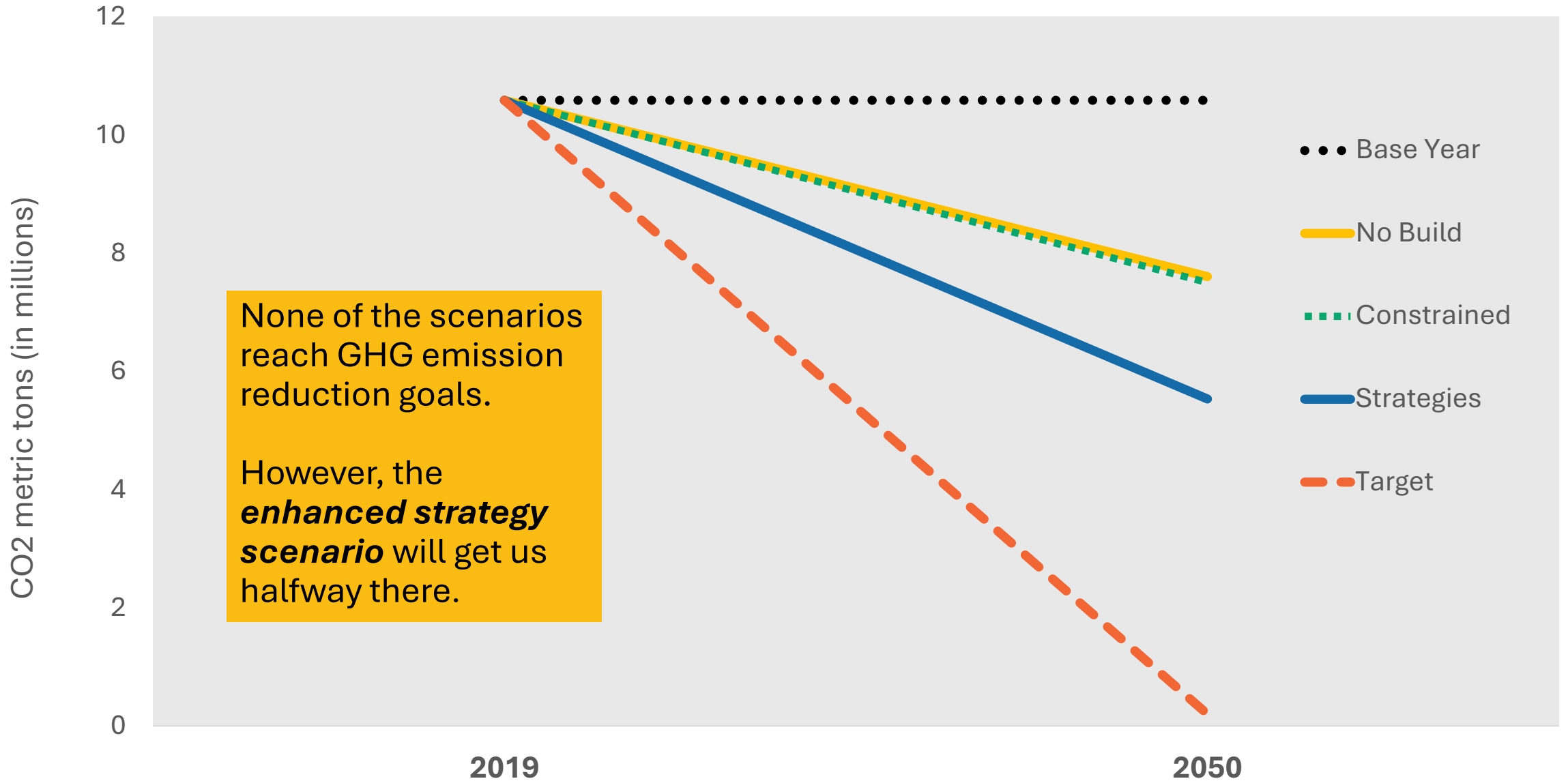


Other related efforts



**Kansas City Regional
Electric Vehicle Readiness Plan**

GREENHOUSE GAS EMISSIONS (GHG) REDUCTIONS



Reducing GHG in the Transportation sector

Mitigation measures:

Avoid — Reduce or avoid the need to travel.

(Sustainable land use)

Shift — Shift to and increase the share of more environmentally friendly modes.

(Complete streets, robust transit and bikeways)

Improve — Improve the energy efficiency of transportation modes and vehicle technology.

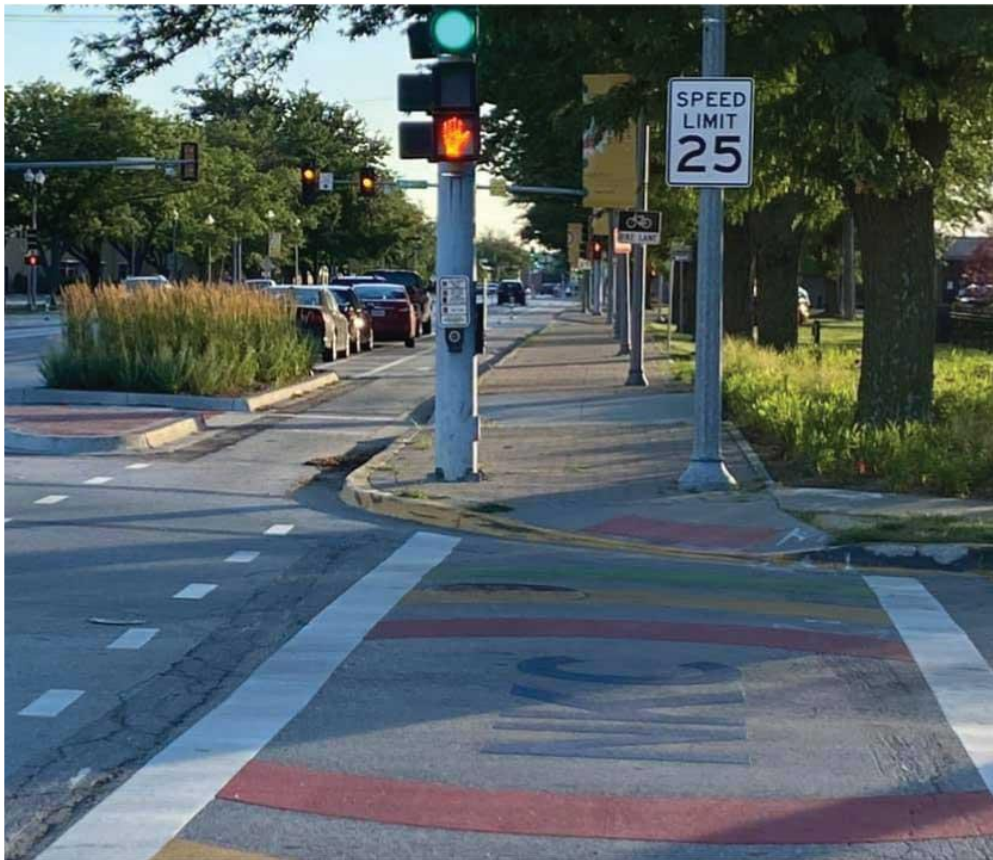
(Zero-carbon vehicles, optimized traffic flows, etc.)

Drawdown — Sequester or draw down greenhouse gases already in the atmosphere.

(Green infrastructure)



Resilience for the transportation system & its users



Resilience/Adaptation Measures:

5600 Update

Urban Heat

[\(Every Urban heat island Reduction Pilot Project\)](#)

Complete/Green streets

Smart Moves

Land Use – Centers & Corridors

Schedules

Transportation Resilience Plan

March 2025

Connected KC 2050

June 2025

Climate Action Plan Update

December 2025

Item #7

REPORT: 2024 Air Quality Report

Presenter: Karen Clawson, MARC



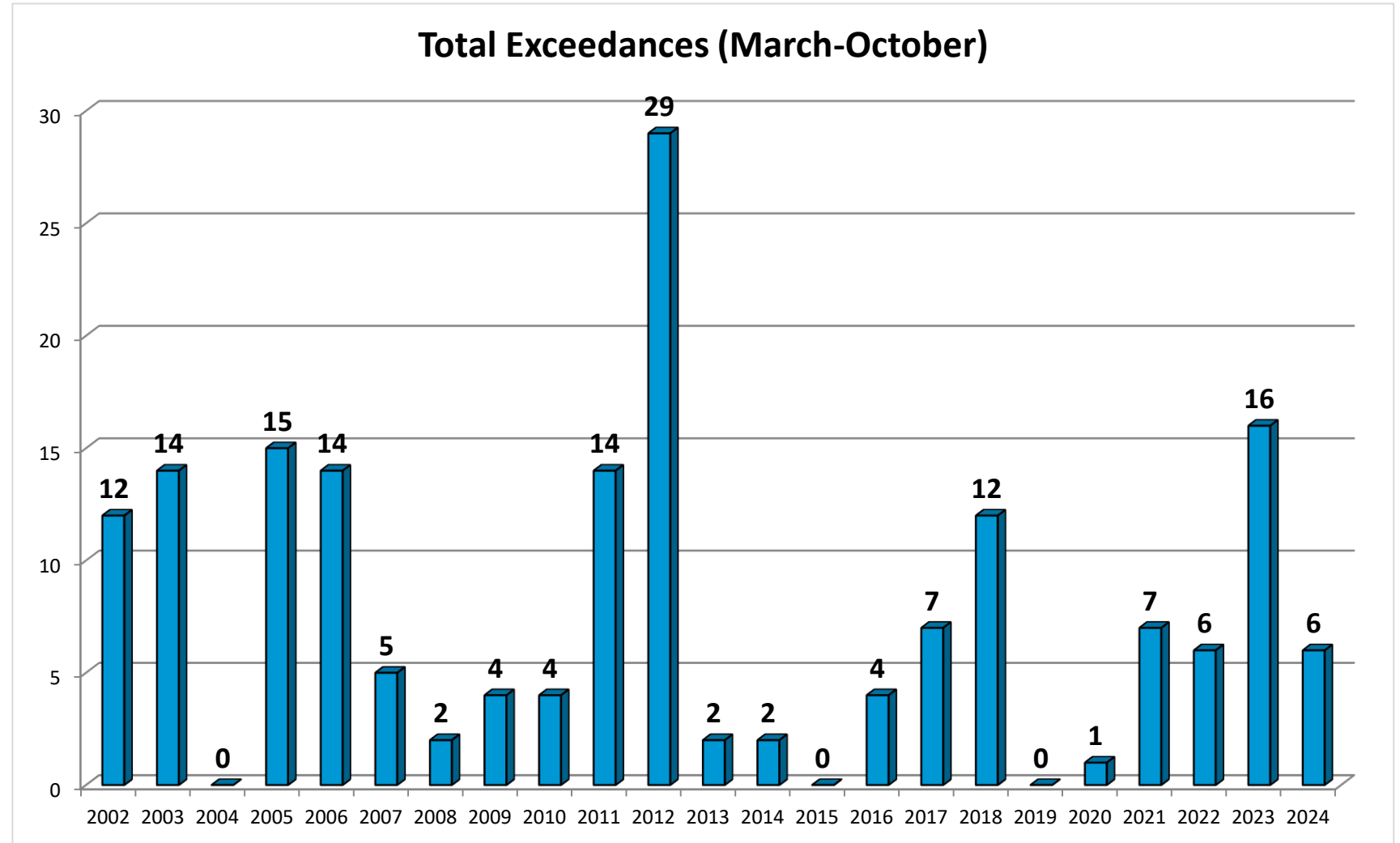
Exceedance History

67 Yellow days

2 Ozone alerts

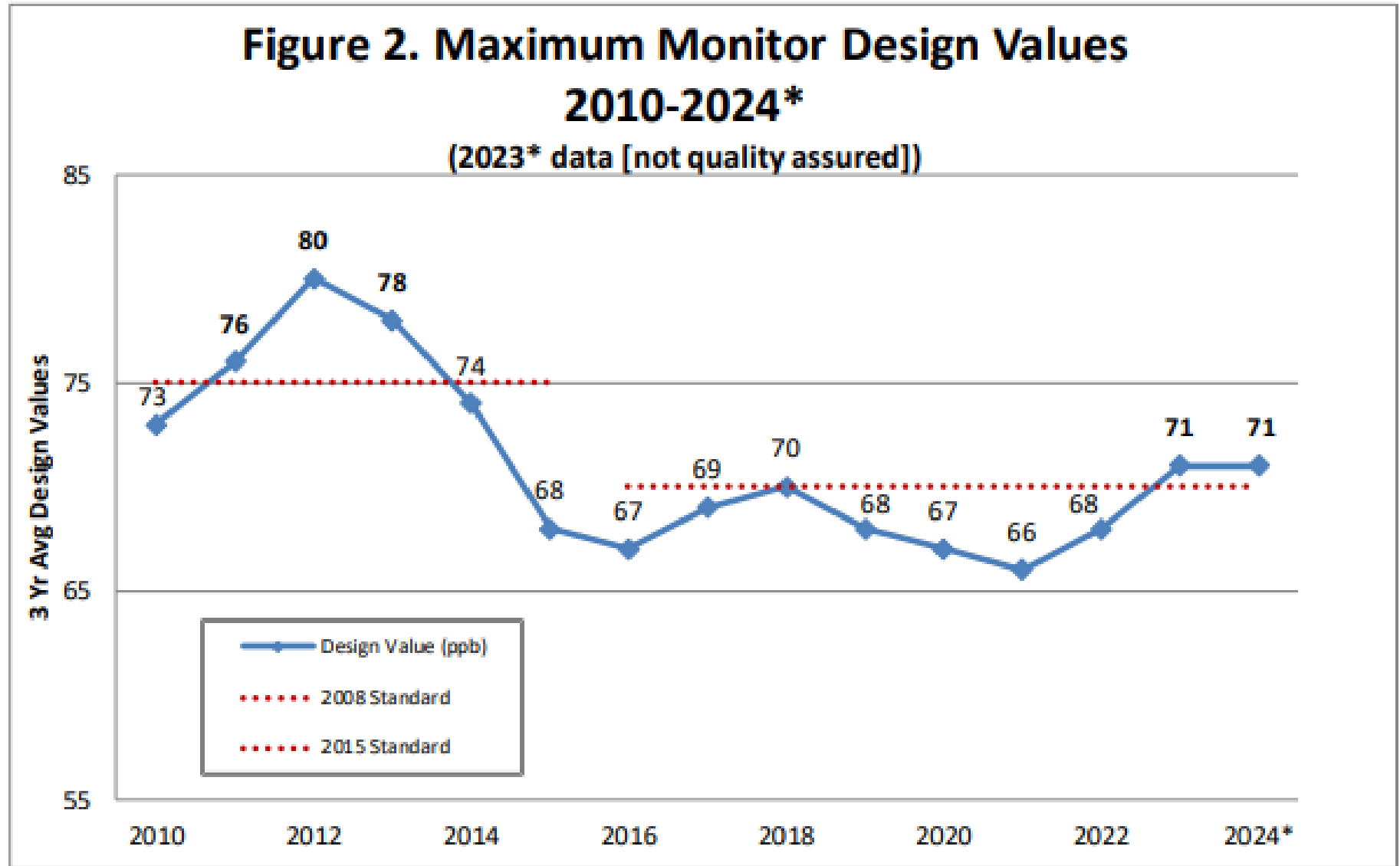
6 Exceedances

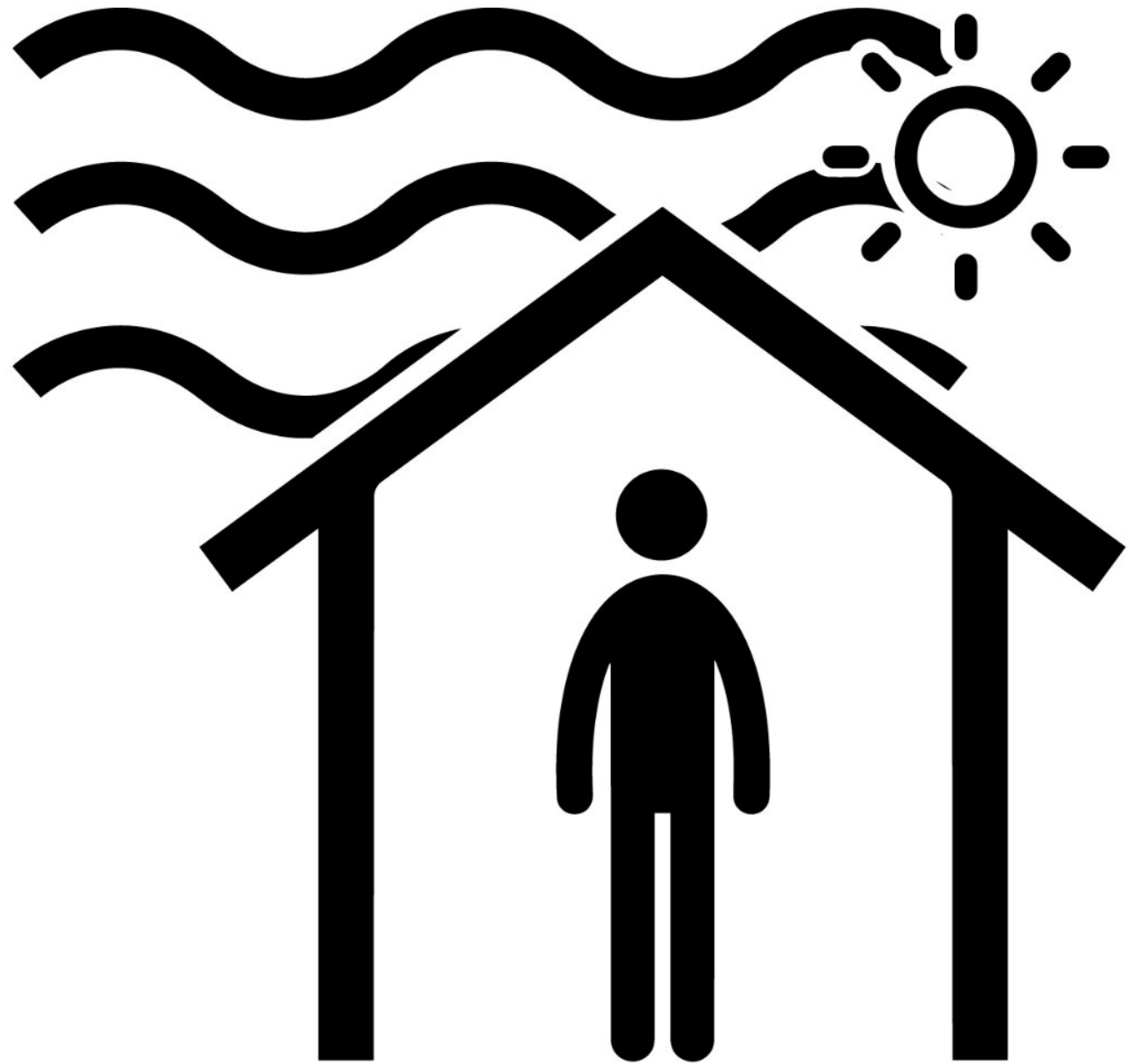
- April 14
- June 23
- July 25
- August 5
- August 27
- October 12





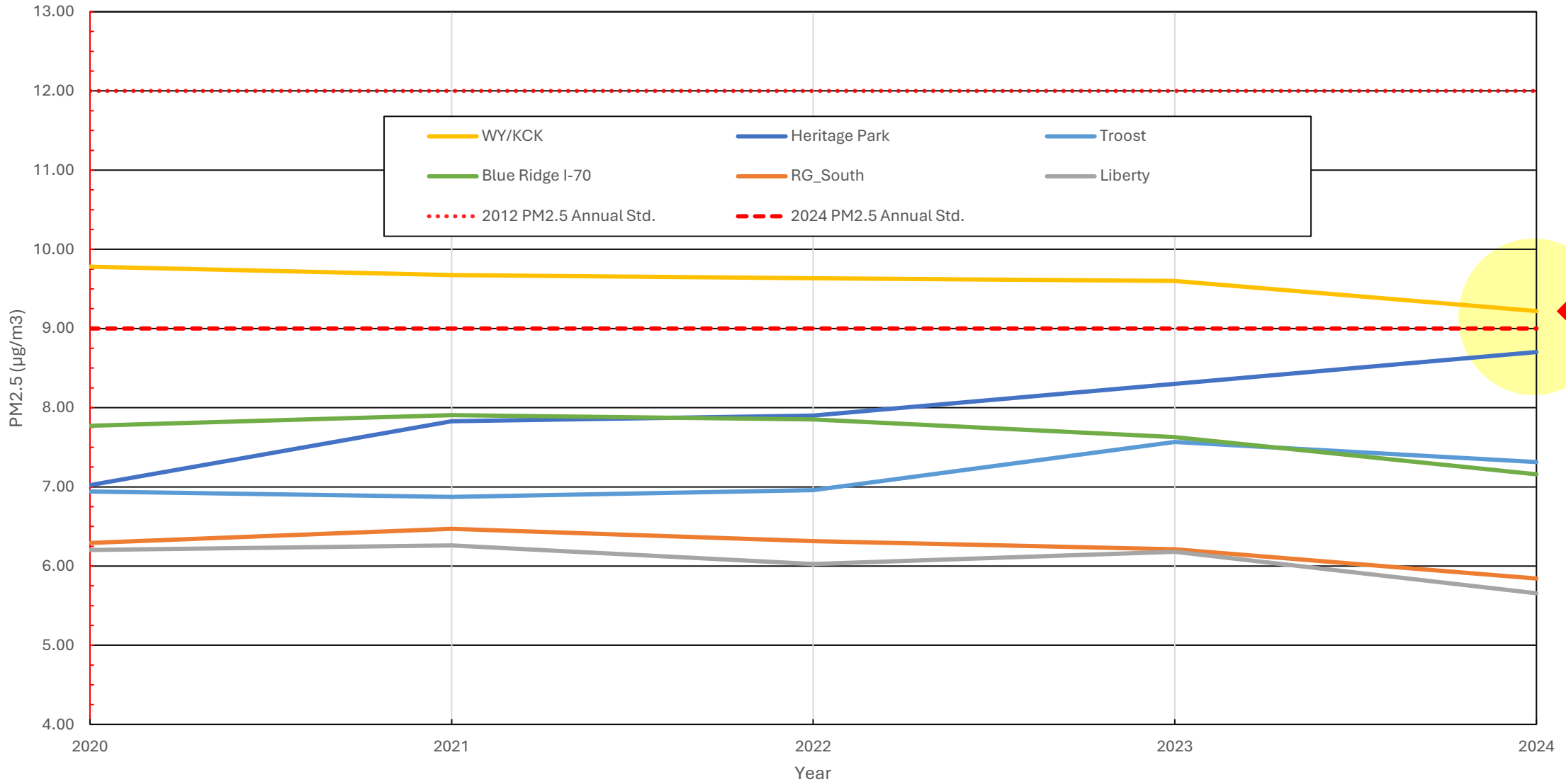
OZONE SEASON BRIEFING





**High levels
of particulate
matter.**

PM2.5 Design Value for MARC Region



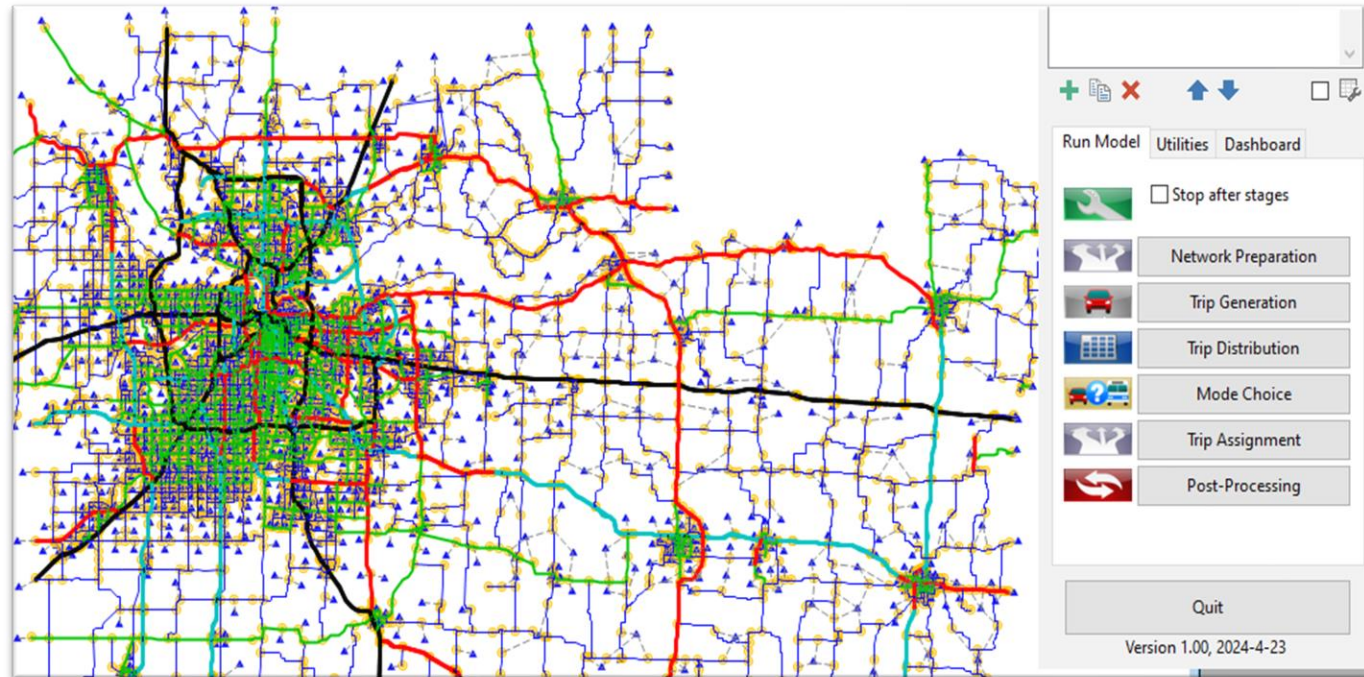


2024 Ozone Season Summary

- The ozone season was better than last year, but we continue to violate the ozone standard.
- The Downtown KCK monitor is violating the PM2.5 standard.
 - The states will recommend to EPA PM2.5 boundary designation after going through a public commenting process in the next few weeks.

Item #8

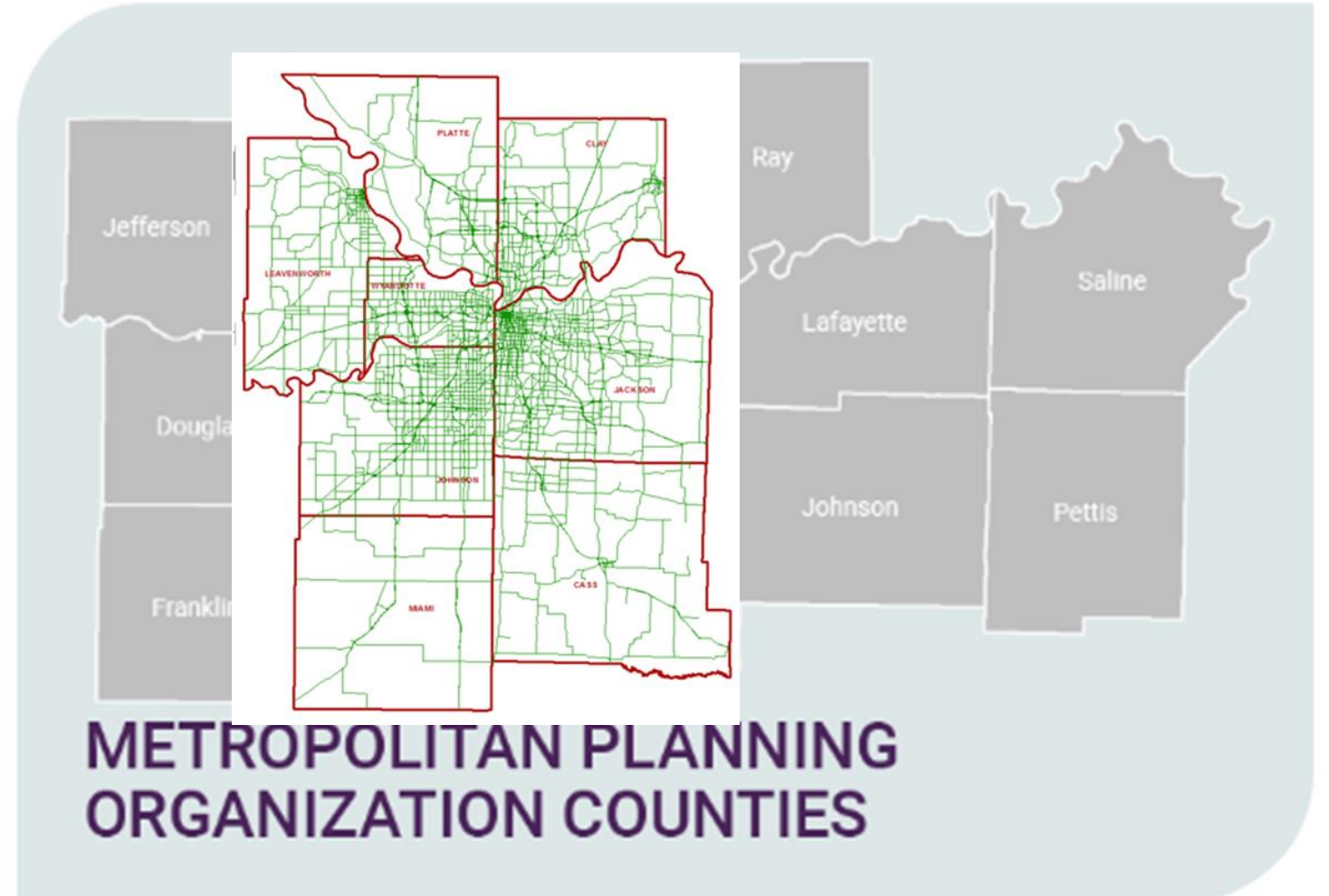
REPORT: MARC Regional Travel Model Program Update



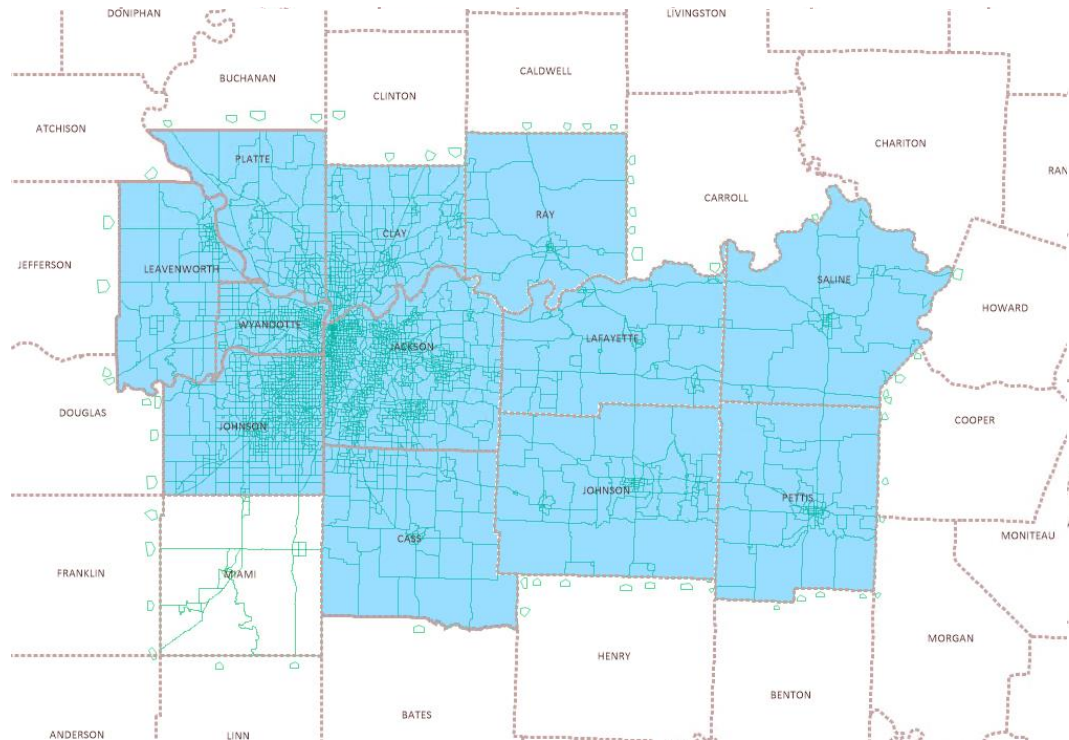
Presenter: Eileen Yang, MARC

OVERVIEW OF MARC TRAVEL MODEL

- 8-County Trip-based EMME Model, focuses on daily travel patterns.
- Purpose: forecast future travel patterns and assess demand for transportation facilities in the region.
- Model analyzes key factors such as population, employment, land use, and transportation infrastructure.
- MPO utilizes model to evaluate impacts of various transportation strategies and projects on regional transportation system.



2024 MARC TRAVEL MODEL EXPANSION



- Ray County recently admitted into (MPO) area.
 - MoDOT also requested to expand model to cover Pioneers Trail RPC area (4 counties) to ensure coverage of all Missouri counties within MoDOT's Kansas City District.
 - In response, significant enhancements were made to MARC's travel model.
 - Model expanded from an 8-county to a 13-county framework.
 - New software package **TransCAD**
 - Faster run times w/quick access to maps, charts, and tables with model results
 - Tables and charts viewable from a web browser
 - Validated with various user improvements
 - Efficient scenario testing
-

MARC MODEL APPLICATION

- Provide Traffic Forecast



- Metropolitan Long Rang Transportation Plan and Other Planning Process, TIP, PEL, EA, Corridor Studies, etc.

HOW CAN CHOICES TO TRANSPORTATION TO

Transportation Scenario	Vehicle Miles Traveled (VMT)	VMT Growth	Vehicle Hours Traveled (VHT)	VHT Growth	VMT per Capita (Daily)	V C (
Base Year 2019	48,018,952	N/A	1,266,639	N/A	23.08	
2050 No Build	57,893,044	20.6%	1,573,591	24.2%	23.65	
2050 Financial Constrained	58,013,236	20.8%	1,560,939	23.2%	23.7	
2050 Enhanced Strategy Implementation	53,072,092	10.5%	1,392,372	9.9%	21.68	



MARC MODEL DATA REQUEST PROGRAM



➤ MARC Model Data Request Program

➤ Who we service?

KDOT,

MoDOT,

Cities,

Counties,

Consultants who work for them, and others

➤ Data request process

Mid-America Regional Council Transportation Data Request Form

To request transportation data (i.e. traffic counts, multi-modal travel forecasts, air quality projections, functional classification maps, etc.) from the Mid-America Regional Council (MARC) please fill out the form below and submit it to transdata@marc.org. The request must be submitted by the client agency. Upon receiving the completed form, Eileen Yang or designee will reply with an email notice containing the approximate time frame of completion and the contact information of the staff member fulfilling your request. If you have any questions, please contact Eileen Yang at 816-701-8338.

Hi, Eileen. When you submit this form, the owner will see your name and email address.

* Required

CITY/COUNTY/STATE CLIENT CONTACT INFORMATION

Please enter the contact information for the client agency (sponsor). Requests without such documentation will not be allowed.

1. Client Contact Name: *

2. Client Contact Title: *

3. Client Organization: *

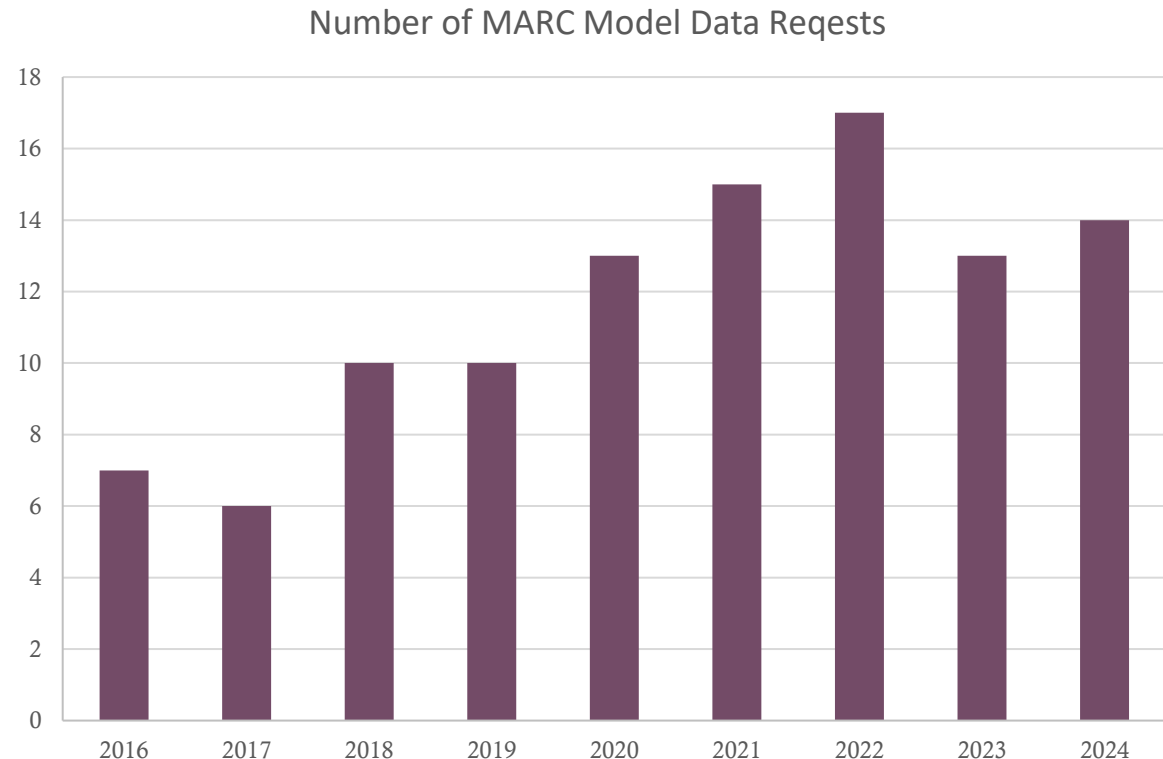
MARC MODEL DATA REQUEST PROGRAM

➤ There are 14 Requests in 2024

➤ Supported Projects include:

1. Reginal Freight Study
 2. Center for Clean Air Policy (CCAP)
 3. Central Ave and I 70
 4. K-10 Corridor Study
 5. Liberty Master Plan
- etc.

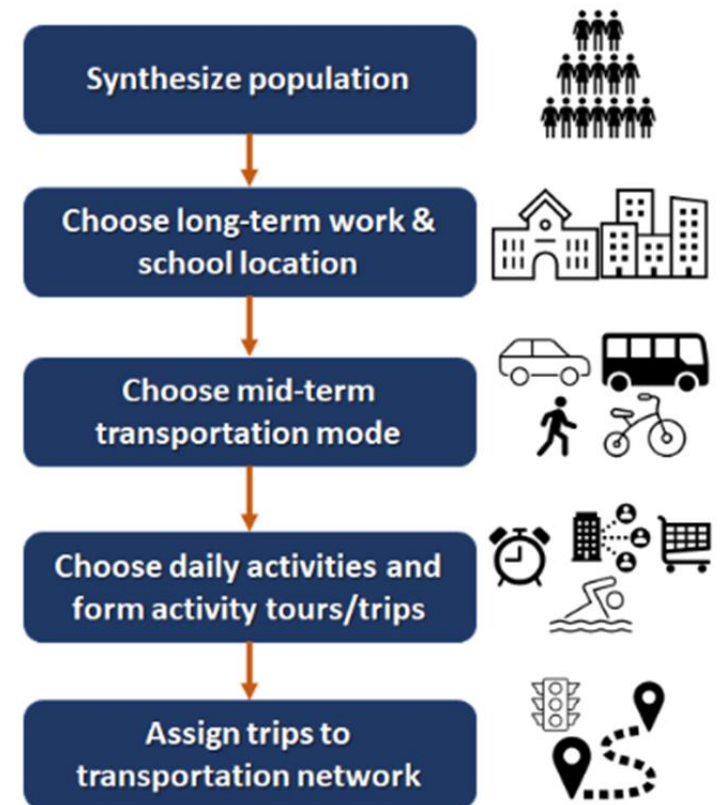
➤ Data request process



NEXT GENERATION TRAVEL FORECAST MODEL

ACTIVITY BASED MODEL

- Theoretically based on human behavior
- Better understanding and prediction of traveler behavior
- Based on decision-making choices present in the “real-world”
- Use of disaggregate data
- Inclusion of time-of-day travel choices
- Environmental Justice
- Multimode Travel Analysis

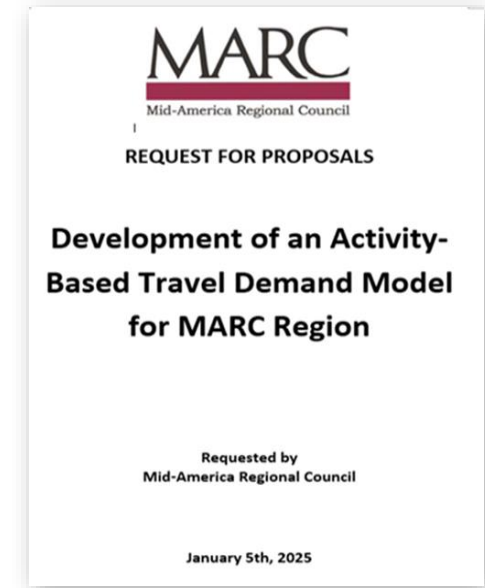


Source: Pima Association of Governments (PGA) ABM Model

NEXT GENERATION TRAVEL FORECAST MODEL

ACTIVITY BASED MODEL

- Included in MARC's 2025 UPWP
- Planning Tool for MTP 2060
 - (Next Plan Update Due in 2030)



QUESTIONS?

MARC STAFF CONTACT:

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Eileen Yang eyang@marc.org

December 17, 2024

Item #9

Other Business

Item #10

Adjournment
