

Office of Air Quality

September 2026

PM_{2.5} BACKGROUND CONCENTRATION ADJUSTMENT FOR INDIANA MONITORS 2023 – 2025



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Pete Laing/BC Wildfire Service July 12, 2023

Executive Summary

On February 7, 2024, United States Environmental Protection Agency (U.S. EPA) promulgated a revised National Ambient Air Quality Standard (NAAQS) for fine particulate matter. Particulate Matter (also called particle pollution) is a mixture of solid particles and liquid droplets found in the air. Fine particulate matter with a diameter of 2.5 microns or less ($PM_{2.5}$) is created primarily from industrial processes and fuel combustion. The level of the new annual $PM_{2.5}$ NAAQS was revised down from 12.0 to 9.0 micrograms per cubic meter ($\mu g/m^3$). The annual $PM_{2.5}$ standard is met when the annual weighted quarterly average averaged over three years is less than or equal to $9.0 \mu g/m^3$ 40 Code of Federal Regulations (CFR) § 50.20). Background concentrations used in air dispersion modeling are typically set to the current monitor design values. This document provides evidence that monitors were impacted by smoke in 2023, 2024, and 2025, and that the 2023-2025 annual and 24-hour $PM_{2.5}$ design values are inflated by smoke. This document also provides model background concentrations without the influence of wildfire and firework smoke as well as windblown dust. During 2023 through 2025, Indiana was affected by smoke from wildfires in Canada and the United States. The smoke significantly increased the background concentrations of $PM_{2.5}$ used for air dispersion modeling. It is not the Indiana Department of Environmental Management's (IDEM's) intention to use the adjusted $PM_{2.5}$ background concentrations for any attainment designation or regulatory purposes other than be used for dispersion modeling analyses.

Each Tier 1 or Tier 2 day from 2023-2025 was analyzed to determine if smoke contributed to the excess $PM_{2.5}$ concentration for the day. IDEM used numerous pieces of evidence for the analysis. The following tools were used:

- AirNow Tech Navigator
- Aqua Multi-Angle Implementation of Atmospheric Correction (MAIAC) Land Aerosol Optical Depth (AOD)
- High-Resolution Rapid Refresh (HRRR) Smoke Forecast Model
- PMO3 Smoke Tool from the General Additive Model (GAM)
- National Oceanic and Atmospheric Administration (NOAA) Satellite Smoke Forecasts
- Fire Information for Resource Management System (FIRMS) active fire data
- IDEM Hourly $PM_{2.5}$ Ambient Air Quality Concentrations (optional)

Using the evidence from these tools, IDEM concluded that the following days should be excluded from the 24-hour and annual $PM_{2.5}$ design value calculations. IDEM used the U. S. EPA design value tool¹ to calculate the new background concentration without the excess smoke influence.

¹ <https://www.epa.gov/air-quality-analysis/exceptional-events-design-value-tool>

Table 1 contains the summary of the background concentrations with the difference between the original concentration and the excluded smoke days concentrations. The table also includes total number of days excluded.

Table 1 –PM_{2.5} 2023-2025 Background Concentrations Summary Table

Monitor Name	AQS	PM _{2.5} Annual Background Concentration Including Wildfire Smoke (µg/m ³)	PM _{2.5} Annual Background Concentration Excluding Wildfire Smoke (µg/m ³)	Difference (µg/m ³)	Number of 2023-2025 Wildfire Smoke Days Excluded
Columbus - Rocky Ford Drive	180050008	7.3	6.6	-0.7	53
Jeffersonville - Bates-Bowyer Ave	180190010	8.6	8.3	-0.3	48
Muncie - Central HS	180350006	7.8	7.1	-0.7	55
Jasper - Post Office	180372001	7.9	7.5	-0.4	25
Elkhart - Prairie St	180390008	8.9	7.9	-1.0	57
New Albany - 4H Road	180430008	7.5	7.1	-0.4	23
Plummer	180550001	7.4	6.8	-0.6	40
Fishers	180570007	7.8	6.8	-1.0	71
Carmel - Hazel Dell Parkway	180570008	8.9	8.3	-0.6	15
Mechanicsburg	180650003	7.7	7.0	-0.7	42
Kokomo - E. Vaile Ave	180670004	7.4	6.7	-0.7	45
East Chicago - Franklin School	180890006	8.1	7.7	-0.4	17
Gary - Madison St	180890031	9.1	8.6	-0.5	26
East Chicago - Marina	180890034	9.1	8.1	-1.0	52
Hammond-167th St	180890036	9.1	7.9	-1.2	68
Michigan City - Marsh Elem. Sch.	180910011	8.1	7.3	-0.8	37
Anderson - Eastside Elem	180950011	8.0	7.1	-0.9	50
Indianapolis - Washington Park	180970078	9.9	8.7	-1.2	61
Indianapolis - W. 18th St.	180970081	11.5	10.2	-1.3	59
Indianapolis- I-70 E	180970087	11.2	10.1	-1.1	52
Bloomington - Binford	181050003	7.4	6.6	-0.8	55
Ogden Dunes	181270024	8.5	7.5	-1.0	62
South Bend - Shields Dr.	181410015	8.2	7.6	-0.6	52

Lafayette - Greenbush St	181570008	8.0	7.3	-0.7	43
Evansville - Buena Vista	181630021	8.7	8.3	-0.4	47
Terre Haute - Lafayette Ave	181670018	9.0	8.7	-0.3	39
Larwill	181830003	8.3	7.3	-1.0	54

*Fort Wayne-Coliseum, Dale-Wallace Street and Evansville Oak Hill do not have three full years of data and are not included.

Introduction

On February 7, 2024, U.S. EPA promulgated a revised NAAQS for fine particulate matter. Particulate Matter is a mixture of solid particles and liquid droplets found in the air. Fine particulate matter with a diameter of 2.5 microns or less (PM_{2.5}) is created primarily from industrial processes and fuel combustion. The level of the new annual PM_{2.5} NAAQS was revised down from 12.0 to 9.0 µg/m³. The annual PM_{2.5} standard is met when the annual weighted quarterly average averaged over three years is less than or equal to 9.0 µg/m³ (40 CFR § 50.20). Background concentrations used in air dispersion modeling are typically set to the current monitor design values. This document provides evidence that monitors were impacted by smoke in 2023, 2024, and 2025, and that the 2023-2025 annual and 24-hour PM_{2.5} design values are inflated by smoke. This document also provides model background concentrations without the influence of wildfire and firework smoke as well as windblown dust. During 2023 through 2025, Indiana was affected by smoke from wildfires in Canada and the United States. The smoke significantly increased the background concentrations of PM_{2.5} used for air dispersion modeling. It is not IDEM's intention to use the adjusted PM_{2.5} background concentrations for any attainment designation or regulatory purposes other than be used for dispersion modeling analyses.

Overview

IDEM used U. S. EPA's PM_{2.5} Tiering Tool² website to determine each monitor's Tier 2 threshold.

The tier thresholds used in this tool are determined based on the following criteria:

1. Data Period and Completeness

- The most recent complete 5-year period of ambient air quality monitoring data: 2021–2025.
- There is no minimum data completeness requirement for inclusion.

² <https://www.epa.gov/air-quality-analysis/pm25-tiering-tool-exceptional-events-analysis#:~:text=3,.2.5%20less%20than%20the%20threshold.>

- If a site has fewer than five years of monitoring data, users should coordinate with the appropriate U.S. EPA regional office to determine the suitable tiering analysis.

2. Site-Level Calculations and Data Exclusions

- Thresholds are calculated at the site level, using site-level aggregated daily values consistent with PM_{2.5} NAAQS data handling procedures (see Section 3.0(d)).
- To determine which site-days to exclude from calculations, the raw data record for all monitors at a site is reviewed.
- If any hour of the day at any monitor at the site has either:
 - an R flag (Request Exclusion), or
 - a fire-related I flag (Informational),

then the entire site-level daily value is excluded from the tier threshold calculation.

- Fire-related I flags include:
 - IT – Wildfire (U.S.)
 - IF – Fire (Canada)
 - IG – Fire (Mexico/Central America)
 - IH – Fireworks
 - IM – Prescribed Fire
 - IP – Structural Fire
- Threshold Determination and Tier Classification
 - The threshold is based on the lower of the following two values:

a. The month-specific 98th percentile for 24-hour PM_{2.5} data over the most recent 5-year period.

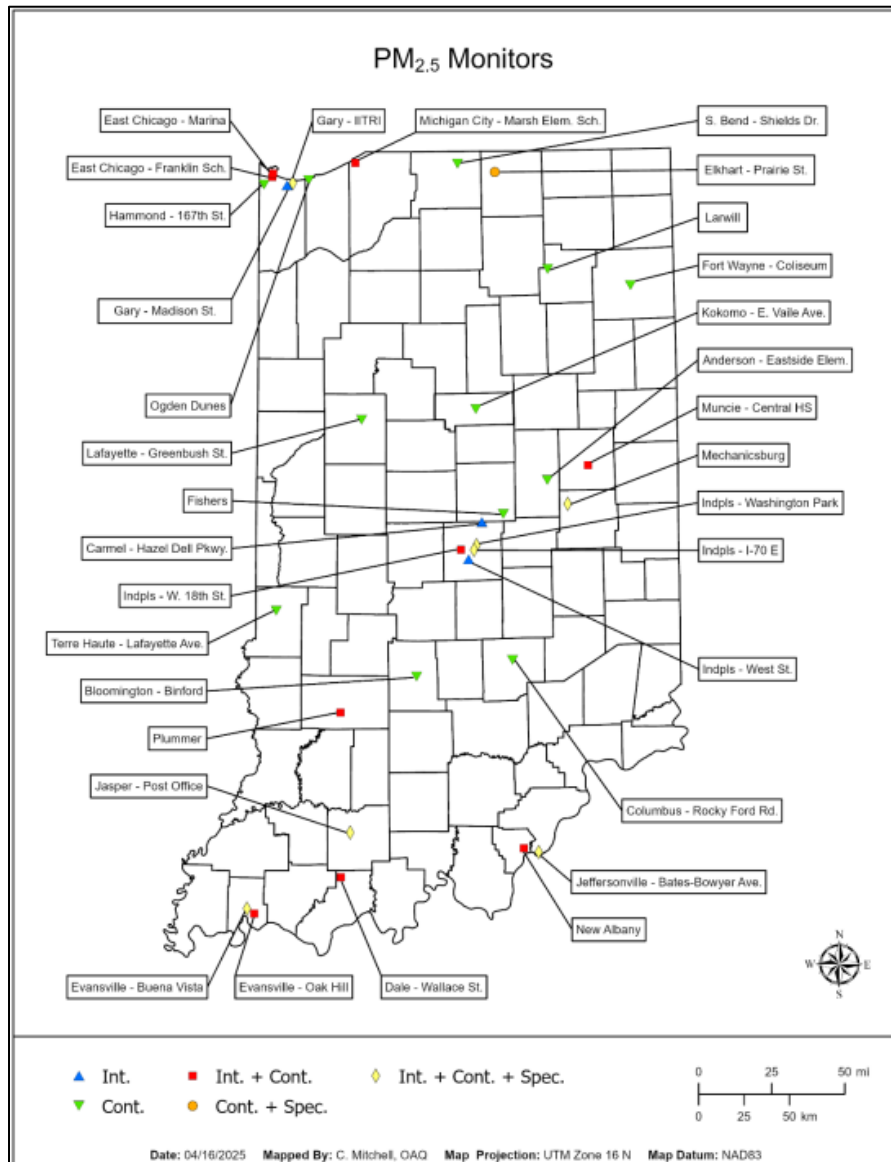
b. The minimum annual 98th percentile for 24-hour PM_{2.5} data over the same period, with all R-flagged and fire-related I-flagged days excluded.

- Tier classifications are as follows:
 - Tier 1: 24-hour PM_{2.5} $\geq 1.5 \times$ threshold
 - Tier 2: 24-hour PM_{2.5} $\geq$ threshold but $< 1.5 \times$ threshold
 - Tier 3: 24-hour PM_{2.5} $<$ threshold

According to IDEM's Modeling policy document³:

Background concentrations account for those sources that are either too small or too distant to be included in the modeling analysis. Monitoring data from the monitoring stations closest to the proposed source should generally be used. Comparing the selected monitoring sites to the applicant's location determines which site will be used. Background concentrations should be from the most current three-year period.

³ https://www.in.gov/idem/airquality/files/modeling_aq_policies.pdf

Figure 1- Indiana PM_{2.5} Monitors

Every day that was either Tier 1 or Tier 2 for each monitor was analyzed to determine if smoke influenced the monitor day to artificially inflate the normal PM_{2.5} concentration. The increased PM_{2.5} concentration would affect the design value of the monitor and decrease the available background concentration for air quality modeling purposes.

The following Tables 2 through 4 show the 2023, 2024 and 2025 PM_{2.5} 24-hour 98th percentile values with and without the influence of smoke. The 2023-2025 PM_{2.5} 24-hour design values are also included in Table 5.

Table 2 – 2023 PM_{2.5} 24-hour Background Concentrations

Monitor Name	AQS	PM_{2.5} 98th Percentile Including Wildfire Smoke (µg/m³)	PM_{2.5} 98th Percentile Excluding Wildfire Smoke (µg/m³)
Fort Wayne - Coliseum	180030015	18.7	14.9
Columbus - Rocky Ford Drive	180050008	24.0	13.4
Jeffersonville - Bates-Bowyer Ave	180190010	30.1	16.3
Muncie - Central HS	180350006	25.2	13.0
Jasper - Post Office	180372001	22.7	16.0
Elkhart - Prairie St	180390008	30.2	15.9
New Albany	180430008	26.3	16.9
Plummer	180550001	27.7	14.6
Fishers	180570007	28.8	13.4
Carmel - Hazel Dell Parkway	180570008	35.2	16.2
Mechanicsburg	180650003	38.4	14.8
Kokomo - E. Vaile Ave	180670004	24.7	14.0
East Chicago - Franklin/Washington Sch	180890006	23.2	16.1
Gary - Madison St	180890031	31.9	15.6
East Chicago - Marina	180890034	29.6	18.1
Hammond -167th St	180890036	29.0	16.2
Michigan City - Marsh Elem. Sch.	180910011	20.2	15.5
Anderson - Eastside Elem	180950011	38.1	14.6
Indianapolis - Washington Park	180970078	36.9	17.8
Indianapolis - W. 18th St.	180970081	43.5	25.9
Indianapolis - School 21	180970084	29.2	15.5
Indianapolis - I-70 E	180970087	38.1	20.2
Bloomington - Binford	181050003	27.1	12.5
Ogden Dunes	181270024	30.6	14.7
South Bend - Shields Dr.	181410015	31.2	16.4
Dale	181470009	19.9	12.3
Lafayette - Greenbush St	181570008	26.3	14.6
Evansville - U of E	181630016	19.6	14.0
Evansville - Buena Vista	181630021	25.7	15.9
Terre Haute - Lafayette Ave	181670018	27.2	18.6
Larwill	181830003	32.0	14.4

Table 3 – 2024 PM_{2.5} 24-hour Background Concentrations

Monitor Name	AQS	PM_{2.5} 98th Percentile Including Wildfire Smoke (µg/m³)	PM_{2.5} 98th Percentile Excluding Wildfire Smoke (µg/m³)
Fort Wayne - Coliseum	180030015	18.0	18.0
Columbus - Rocky Ford Drive	180050008	13.4	12.4
Jeffersonville - Bates-Bowyer Ave	180190010	16.6	15.5
Muncie - Central HS	180350006	16.9	12.8
Jasper - Post Office	180372001	15.4	15.1
Elkhart - Prairie St	180390008	19.0	17.9
New Albany	180430008	14.0	14.0
Plummer	180550001	13.6	13.0
Fishers	180570007	15.7	12.6
Carmel - Hazel Dell Parkway	180570008	16.4	16.2
Mechanicsburg	180650003	14.8	14.1
Kokomo - E. Vaile Ave	180670004	13.9	13.1
East Chicago - Franklin/Washington Sch	180890006	17.7	14.6
Gary - Madison St	180890031	21.4	17.6
East Chicago - Marina	180890034	18.1	17.3
Hammond - 167th St	180890036	17.2	15.6
Michigan City - Marsh Elem. Sch.	180910011	16.2	15.6
Anderson - Eastside Elem	180950011	15.4	13.6
Indianapolis - Washington Park	180970078	19.6	16.9
Indianapolis - W. 18th St.	180970081	26.0	19.7
Indianapolis - School 21	180970084	21.8	15.1
Indianapolis - I-70 E	180970087	21.4	18.6
Bloomington - Binford	181050003	12.8	12.7
Ogden Dunes	181270024	15.6	14.3
South Bend - Shields Dr.	181410015	18.6	16.3
Dale	181470009	15.1	12.4
Lafayette - Greenbush St	181570008	15.7	13.8
Evansville - U of E	181630016	15.6	13.5
Evansville - Buena Vista	181630021	17.8	15.5
Terre Haute - Lafayette Ave	181670018	20.2	16.9
Larwill	181830003	15.7	14.3

Table 4 – 2025 PM_{2.5} 24-hour Background Concentrations

Monitor Name	AQS	PM_{2.5} 98th Percentile Including Wildfire Smoke (µg/m³)	PM_{2.5} 98th Percentile Excluding Wildfire Smoke (µg/m³)
Fort Wayne - Coliseum	180030015	23.8	18.9
Columbus - Rocky Ford Drive	180050008	17.4	15.4
Jeffersonville - Bates-Bowyer Ave	180190010	21.1	16.4
Muncie - Central HS	180350006	21.3	16.4
Jasper - Post Office	180372001	18.0	15.2
Elkhart - Prairie St	180390008	27.7	19.2
New Albany	180430008	18.2	14.3
Plummer	180550001	16.7	13.6
Fishers	180570007	19.2	13.6
Carmel - Hazel Dell Parkway	180570008	20.8	16.4
Mechanicsburg	180650003	19.4	15.7
Kokomo - E. Vaile Ave	180670004	15.9	13.6
East Chicago - Franklin/Washington School	180890006	25.6	15.7
Gary - Madison St	180890031	29.2	16.7
East Chicago - Marina	180890034	28.3	16.7
Hammond-167th St	180890036	30.1	17.0
Michigan City - Marsh Elem. Sch.	180910011	28.9	18.2
Anderson - Eastside Elem	180950011	20.1	15.3
Indianapolis - Washington Park	180970078	22.5	17.7
Indianapolis- W. 18th St.	180970081	27.7	20.9
Indianapolis- I-70 E	180970087	24.4	20.9
Bloomington - Binford	181050003	18.3	14.4
Ogden Dunes	181270024	28.5	18.1
South Bend - Shields Dr.	181410015	29.1	18.2
Dale-N Wallace St	181470011	17.6	16.8
Lafayette - Greenbush St	181570008	18.7	16.6
Evansville - Buena Vista	181630021	21.1	16.2
Evansville - Oak Hill	181630024	21.1	17.8
Terre Haute - Lafayette Ave	181670018	19.5	17.6
Larwill	181830003	26.1	19.3

Table 5 -2023-2025 PM_{2.5} 24-hour 3-year Background Concentration Values

Monitor Name	AQS	PM_{2.5} 24-hour Design Values Including Wildfire Smoke (µg/m³)	PM_{2.5} 24-hour Design Values Excluding Wildfire Smoke (µg/m³)
Columbus - Rocky Ford Drive	180050008	18	14
Jeffersonville - Bates-Bowyer Ave	180190010	19	16
Muncie - Central HS	180350006	21	14
Jasper - Post Office	180372001	19	15
Elkhart - Prairie St	180390008	26	18
New Albany	180430008	19	15
Plummer	180550001	19	14
Fishers	180570007	21	14
Carmel - Hazel Dell Parkway	180570008	24	16
Mechanicsburg	180650003	24	15
Kokomo - E. Vaile Ave	180670004	18	14
East Chicago - Franklin/Washington Sch	180890006	21	15
Gary - Madison St	180890031	22	17
East Chicago - Marina	180890034	24	17
Hammond-167th St	180890036	24	16
Michigan City - Marsh Elem. Sch.	180910011	22	16
Anderson - Eastside Elem	180950011	25	15
Indianapolis - Washington Park	180970078	26	17
Indianapolis - W. 18th St.	180970081	32	22
Indianapolis- I-70 E	180970087	28	20
Bloomington - Binford	181050003	19	13
Ogden Dunes	181270024	25	16
South Bend - Shields Dr.	181410015	23	17
Lafayette - Greenbush St	181570008	20	15
Evansville - Buena Vista	181630021	19	16
Terre Haute - Lafayette Ave	181670018	20	18
Larwill	181830003	25	16

*Fort Wayne-Coliseum, Dale-Wallace Street and Evansville Oak Hill do not have three full years of data and are not included.

Tables 6 through 9 show PM_{2.5} annual mean values for each year with and without the influence of smoke and the cumulative 2023-2025 design value.

Table 6 - 2023 Annual PM_{2.5} Background Concentrations

Monitor Name	AQS	PM_{2.5} 2023 Annual Mean Concentrations Including Wildfire Smoke (µg/m³)	PM_{2.5} 2023 Annual Mean Concentrations Excluding Wildfire Smoke (µg/m³)
Fort Wayne - Coliseum	180030015	8.37	8.05
Columbus - Rocky Ford Drive	180050008	8.41	6.86
Jeffersonville - Bates-Bowyer Ave	180190010	10.39	8.71
Muncie - Central HS	180350006	8.28	7.05
Jasper - Post Office	180372001	8.6	7.83
Elkhart - Prairie St	180390008	9.42	7.59
New Albany	180430008	8.42	7.44
Plummer	180550001	8.33	6.9
Fishers	180570007	8.5	6.64
Carmel - Hazel Dell Parkway	180570008	9.94	8.64
Mechanicsburg	180650003	9.2	7.32
Kokomo - E. Vaile Ave	180670004	8.65	7.02
East Chicago - Franklin/Washington Sch	180890006	9.85	8.52
Gary - Madison St	180890031	11	8.56
East Chicago - Marina	180890034	10.75	8.95
Hammond-167th St	180890036	10.33	8.31
Michigan City - Marsh Elem. Sch.	180910011	8.68	7.54
Anderson - Eastside Elem	180950011	9.85	7.57
Indianapolis - Washington Park	180970078	11.41	9.13
Indianapolis - W. 18th St.	180970081	13.42	10.97
Indianapolis - School 21	180970084	10.07	8.8
Indianapolis - I-70 E	180970087	13.69	11.14
Bloomington - Binford	181050003	8.54	6.74
Ogden Dunes	181270024	9.66	7.84
South Bend - Shields Dr.	181410015	10.28	8.32
Dale	181470009	8.71	7.93
Lafayette - Greenbush St	181570008	9.16	7.5
Evansville - U of E	181630016	8.89	8.15
Evansville - Buena Vista	181630021	9.96	8.69
Terre Haute - Lafayette Ave	181670018	10.51	9.01
Larwill	181830003	9.76	7.61

Table 7 - 2024 Annual PM_{2.5} Background Concentrations

Monitor Name	AQS	PM_{2.5} 2024 Annual Mean Concentrations Including Wildfire Smoke (µg/m³)	PM_{2.5} 2024 Annual Mean Concentrations Excluding Wildfire Smoke (µg/m³)
Fort Wayne - Coliseum	180030015	8.24	8.24
Columbus - Rocky Ford Drive	180050008	6.62	6.47
Jeffersonville - Bates-Bowyer Ave	180190010	8.21	8.03
Muncie - Central HS	180350006	7.41	6.82
Jasper - Post Office	180372001	7.39	7.27
Elkhart - Prairie St	180390008	8.1	7.92
New Albany	180430008	6.77	6.77
Plummer	180550001	6.76	6.7
Fishers	180570007	7.06	6.69
Carmel - Hazel Dell Parkway	180570008	7.96	7.81
Mechanicsburg	180650003	6.68	6.57
Kokomo - E. Vaile Ave	180670004	6.82	6.68
East Chicago - Franklin/Washington Sch	180890006	7.02	6.9
Gary - Madison St	180890031	9.03	8.62
East Chicago - Marina	180890034	7.89	7.75
Hammond-167th St	180890036	7.68	7.44
Michigan City - Marsh Elem. Sch.	180910011	7.08	6.98
Anderson - Eastside Elem	180950011	6.72	6.56
Indianapolis - Washington Park	180970078	8.8	8.4
Indianapolis - W. 18th St.	180970081	10.79	10.03
Indianapolis - School 21	180970084	9.76	8.89
Indianapolis - I-70 E	180970087	9.62	9.33
Bloomington - Binford	181050003	6.47	6.45
Ogden Dunes	181270024	7.1	6.92
South Bend - Shields Dr.	181410015	7.33	7.15
Dale	181470009	7.06	6.72
Lafayette - Greenbush St	181570008	7.03	6.87
Evansville - U of E	181630016	7.58	7.39
Evansville - Buena Vista	181630021	8.31	8.03
Terre Haute - Lafayette Ave	181670018	8.91	8.55
Larwill	181830003	6.94	6.86

Table 8 – 2025 Annual PM_{2.5} Background Concentrations

Monitor Name	AQS	PM_{2.5} 2025 Annual Concentrations Including Wildfire Smoke (µg/m³)	PM_{2.5} 2025 Annual Concentrations Excluding Wildfire Smoke (µg/m³)
Fort Wayne - Coliseum	180030015	8.9	8.3
Columbus - Rocky Ford Drive	180050008	6.9	6.5
Jeffersonville - Bates-Bowyer Ave	180190010	8.6	8.3
Muncie - Central HS	180350006	8.0	7.3
Jasper - Post Office	180372001	7.6	7.4
Elkhart - Prairie St	180390008	9.2	8.2
New Albany	180430008	7.4	7.1
Plummer	180550001	7.0	6.7
Fishers	180570007	7.7	7.0
Carmel - Hazel Dell Parkway	180570008	9.0	8.5
Mechanicsburg	180650003	7.5	7.1
Kokomo - E. Vaile Ave	180670004	6.7	6.3
East Chicago - Franklin/Washington Sch	180890006	8.5	7.8
Gary - Madison St	180890031	9.5	8.7
East Chicago - Marina	180890034	8.9	7.7
Hammond-167th St	180890036	9.4	8.0
Michigan City - Marsh Elem. Sch.	180910011	8.5	7.2
Anderson - Eastside Elem	180950011	7.6	7.2
Indianapolis - Washington Park	180970078	9.4	8.7
Indianapolis - W. 18th St.	180970081	10.5	9.7
Indianapolis- I-70 E	180970087	10.3	9.7
Bloomington - Binford	181050003	7.2	6.7
Ogden Dunes	181270024	8.8	7.8
South Bend - Shields Dr.	181410015	8.3	7.3
Dale-N Wallace St	181470011	7.8	7.4
Lafayette - Greenbush St	181570008	7.9	7.5
Evansville - Buena Vista	181630021	8.5	8.2
Evansville - Oak Hill	181630024	8.3	8.0
Terre Haute - Lafayette Ave	181670018	8.9	8.5
Larwill	181830003	8.2	7.4

Table 9 – 2023-2025 Annual PM_{2.5} 3-year Background Concentration Values

Monitor name	AQS	Annual Mean Background Including Wildfire Smoke (µg/m³)	Annual Mean Background Excluding Wildfire Smoke (µg/m³)
Columbus - Rocky Ford Drive	180050008	7.3	6.6
Jeffersonville - Bates-Bowyer Ave	180190010	8.6	8.3
Muncie - Central HS	180350006	7.8	7.1
Jasper - Post Office	180372001	7.9	7.5
Elkhart - Prairie St	180390008	8.9	7.9
New Albany	180430008	7.5	7.1
Plummer	180550001	7.4	6.8
Fishers	180570007	7.8	6.8
Carmel - Hazel Dell Parkway	180570008	8.9	8.3
Mechanicsburg	180650003	7.7	7.0
Kokomo - E. Vaile Ave	180670004	7.4	6.7
East Chicago - Franklin/Washington Sch	180890006	8.1	7.7
Gary - Madison St	180890031	9.1	8.6
East Chicago - Marina	180890034	9.1	8.1
Hammond-167th St	180890036	9.1	7.9
Michigan City - Marsh Elem. Sch.	180910011	8.1	7.3
Anderson - Eastside Elem	180950011	8.0	7.1
Indianapolis - Washington Park	180970078	9.9	8.7
Indianapolis - W. 18th St.	180970081	11.5	10.2
Indianapolis - I-70 E	180970087	11.2	10.1
Bloomington - Binford	181050003	7.4	6.6
Ogden Dunes	181270024	8.5	7.5
South Bend - Shields Dr.	181410015	8.2	7.6
Lafayette - Greenbush St	181570008	8.0	7.3
Evansville - Buena Vista	181630021	8.7	8.3
Terre Haute - Lafayette Ave	181670018	9.0	8.7
Larwill	181830003	8.3	7.3

*Fort Wayne-Coliseum, Dale-Wallace Street and Evansville Oak Hill do not have three full years of data and are not included.

TOOLS USED FOR ANALYSIS

Each Tier 1 or Tier 2 day from 2023-2025 was analyzed to determine if smoke contributed to the excess PM_{2.5} concentration for that day. IDEM used numerous pieces of evidence for the analysis. The following tools were used:

- AirNow Tech Navigator
- Aqua Multi-Angle Implementation of Atmospheric Correction (MAIAC) Land Aerosol Optical Depth (AOD)
- High-Resolution Rapid Refresh (HRRR) Smoke Forecast Model
- PMO3 Smoke Tool from the General Additive Model (GAM)
- National Oceanic and Atmospheric Administration (NOAA) Satellite Smoke Forecasts
- Fire Information for Resource Management System (FIRMS) active fire data
- IDEM Hourly PM_{2.5} Ambient Air Quality Concentrations (optional)

AirNow Tech Navigator

AirNow-Tech is U.S. EPA's website for air quality data management analysis. PM_{2.5} concentrations, AQI values, smoke and fires maps, and HYSPLIT forward and back trajectories⁴ can be created in Navigator. Backward trajectories were created 24 to 72 hours previous to the high PM_{2.5} concentration day evaluated.

HYSPLIT models simulate the dispersion and trajectory of substances transported and dispersed through our atmosphere, over local to global scales.

HYSPLIT is a complete system for computing simple air parcel trajectories, as well as complex transport, dispersion, chemical transformation, and deposition simulations. HYSPLIT continues to be one of the most extensively used atmospheric transport and dispersion models in the atmospheric sciences community. A common application is a back trajectory analysis to determine the origin of air masses and establish source-receptor relationships. HYSPLIT has also been used in a variety of simulations describing the atmospheric transport, dispersion, and deposition of pollutants and hazardous materials. Some examples of the applications include tracking and forecasting the release of radioactive material, wildfire smoke, windblown dust, pollutants from various stationary and mobile emission sources, allergens, and volcanic ash.

The model calculation method is a hybrid between the Lagrangian approach, using a moving frame of reference for the advection and diffusion calculations as the trajectories or air parcels move from their initial location, and the Eulerian methodology, which uses a fixed three-dimensional grid as a frame of reference to compute air pollutant concentrations (The model name, no longer meant as an acronym, originally reflected this hybrid computational approach). HYSPLIT has evolved over more than 30 years, from estimating simplified single trajectories based on radiosonde observations to a

⁴ <https://www.arl.noaa.gov/hysplit/>

system accounting for multiple interacting pollutants transported, dispersed, and deposited over local to global scales.

MAIAC AOD

Aerosol Optical Depth (AOD) from the Moderate Resolution Imaging Spectroradiometer (MODIS) combined Terra and Aqua Multi-Angle Implementation of Atmospheric Correction (MAIAC) Land Aerosol Optical Depth level 2 product. Derived using both Terra and Aqua MODIS inputs, this product is produced daily at 1 kilometer pixel resolution. This product helps generate a number of atmospheric and geometric properties/parameters that are used to produce another facet of the MAIAC algorithm: the land surface Bidirectional Reflectance Factor.

Aerosols released into the atmosphere from anthropogenic activity (cars, industry) and natural events (fires, dust storms) affect human health, reduce visibility, and alter Earth's radiation budget. AOD is a quantitative estimate of the amount of aerosol present in the atmosphere, and it can be used as a proxy for surface PM_{2.5}. AOD measures the extinction of a ray of light as it passes through the atmosphere. Satellite measurements of aerosols, called aerosol optical thickness, are based on the fact that the particles change the way the atmosphere reflects and absorbs visible and infrared light. An optical thickness of less than 0.1 (palest yellow) indicates a crystal-clear sky with maximum visibility, whereas a value of 1 (reddish brown) indicates very hazy conditions. The rate of extinction of the light increases as AOD increases.

HRRR Smoke Model

The HRRR-Smoke model is based on the Weather Research and Forecasting model coupled to Chemistry. The dynamics and physics packages and settings for the meteorology of HRRR-Smoke are based on the experimental version of the HRRR model⁵, which is run in real-time at NOAA/ESRL Global Systems Division (GSD). HRRR-Smoke has been developed to simulate the emissions and transport of smoke from wildfires in real time in high spatial resolution. Since HRRR-Smoke includes anthropogenic emissions of other particulate matter species, and includes an aerosol aware microphysics scheme, IDEM also looked at aerosol impacts on Numerical Weather Prediction (NWP).

The fire emissions are calculated using the fire detection and characterization data from the Visible Infrared Imaging Radiometer Suite (VIIRS) sensor on the Suomi National Polar-orbiting Partnership satellite. Fire Radiative Power (FRP) data from VIIRS determine fire size and are then applied in HRRR-Smoke to calculate injection heights using a plume rise model. The real-time VIIRS data is provided by NOAA/NESDIS Center for Satellite Applications and Research.

⁵ <https://rapidrefresh.noaa.gov/hrrr/HRRRsmoke/>

Currently HRRR-Smoke is run in real time by NOAA/ESRL/GSD for the CONUS domain (3km horizontal grid resolution). HRRR-Smoke is initialized every day at 00 and 12UTC using input files for the meteorology from the real-time HRRR experimental runs. The model is then run to produce 36-hour forecasts.

GAM PMO3 Smoke Tool

The GAM⁶ is a statistical or machine learning framework that provides interpretability by applying smoothing functions to individual variables. Notably, GAMs can incorporate linear, nonlinear, and categorical predictors, providing flexibility for modeling complex relationships (Wood, 2017). In particular, such statistical/machine learning models can provide an efficient tool for analyzing air quality, especially in relation to wildfire smoke. For example, ozone can be used as the response variable, modeled using meteorological data, satellite-derived measurements, and/or backward air trajectories (Lee and Jaffe, 2024). This study demonstrated the importance of wildfire smoke as a contributor to exceedances of the health-based national air quality standards for PM_{2.5} and ozone. This app offers options to easily build a GAM using the 'mgcv' package (Wood, 2023) and also allows viewing the results of previously studied GAMs.

The GAM previous tab allows users to explore and understand previously developed GAMs for ozone prediction and related air quality analyses. It provides an overview of different versions of GAMs, including historical versions such as UW GAM-v1 (Lee and Jaffe, 2024), as well as newer models like UW GAM-v3 and UW GAM-v3-EDM (not yet peer reviewed). In the Overview tab, users can view model metadata, compare different model outputs, and examine time-series and scatter plots of observed versus predicted values for selected sites. In the Layer map tab, users can load data for analysis and customize data visualization by choosing point, raster, or HMS layers. This functionality helps users assess the performance of various GAM models and compare different approaches to understanding air quality dynamics, particularly in the context of wildfires.

NOAA Satellite Smoke Forecast

NOAA releases daily smoke and dust text narrative and forecasts based on Satellite imagery data. The text narrative is intended to describe significant areas of smoke associated with active fires and smoke transported longer distances from source fires. Blowing dust is also tracked and depicted in the narrative.

Fire Information For Resource Management System

FIRMS distributes Near Real-Time (NRT) active fire data from the Moderate Resolution Imaging Spectroradiometer (MODIS) aboard the Aqua and Terra satellites, and the Visible Infrared Imaging Radiometer Suite (VIIRS) aboard S-NPP, NOAA 20, and NOAA

⁶ <https://westar.shinyapps.io/PMO3smokeTool/>

21 (formally known as JPSS-1 and JPSS-2). Globally these data are available within 3 hours of satellite observation, but for the U.S. and Canada active fire detections are available in real-time.

FIRMS provides maps of fires and hotspot locations throughout the U.S. and Canada for specific dates. This information can provide details on any local fires or prescribed burns that would impact a monitor.

IDEM Hourly Air Quality Monitoring data

Historical data for monitors can be accessed graphically at IDEM's monitoring website⁷ and U.S. EPA's wildfire smoke website⁸:

Wildfire smoke is comprised of a mixture of gaseous pollutants (e.g., carbon monoxide), hazardous air pollutants (HAPs) (e.g., polycyclic aromatic hydrocarbons [PAHs]), water vapor, and particle pollution. Particle pollution represents a main component of wildfire smoke and the principal public health threat.

"Particle pollution" (also referred to as particles, particulate matter, or PM) is a general term for a mixture of solid and liquid droplets suspended in the air. There are many sources of particle pollution; the most common is combustion-related activities, such as wildfires. Because of the variety of sources, particles come in many sizes and shapes. Some particles are so small that they are only visible using an electron microscope. Particles can be made up of different components, including acids (e.g., sulfuric acid), inorganic compounds (e.g., ammonium sulfate, ammonium nitrate, and sodium chloride), organic chemicals, soot, metals, soil or dust particles, and biological materials (e.g., pollen and mold spores).

The air we breathe, both indoors and outdoors, always contains particle pollution. Because of their small size, particles can easily penetrate homes and buildings, increasing indoor particle concentrations. During a wildfire or other combustion-related activities, concentrations of particles can substantially increase in the air to the point that particle pollution is visible to the naked eye.

Using the evidence from these tools, IDEM concluded that the following days should be excluded from the 24-hour and annual PM_{2.5} design value calculations. IDEM used the U. S. EPA design value tool⁹ to calculate the new background concentration without the excess smoke influence.

Tables 10 through 12 list the days and monitors that IDEM excluded from the background concentration calculations for 2023 through 2025. These tables include the daily average PM_{2.5} concentrations and the Tier 2 threshold for the monitor.

Table 10 - Smoke Influenced Days on Daily PM_{2.5} Concentrations for 2023

⁷ <https://www.in.gov/idem/airmonitoring/air-quality-data/>

⁸ <https://www.epa.gov/wildfire-smoke-course/why-wildfire-smoke-health-concern>

⁹ <https://www.epa.gov/air-quality-analysis/exceptional-events-design-value-tool>

Monitor Name	AQS	Date	Daily Average (µg/m³)	Tier 2 Threshold (µg/m³)
Indianapolis - W. 18th St.	180970081	4/10/2023	22.8	20.9
Indianapolis- I-70 E	180970087	4/10/2023	27.3	20.5
Jeffersonville - Bates-Bowyer Ave	180190010	4/11/2023	18.0	17.0
Indianapolis - Washington Park	180970078	4/11/2023	23.1	17.8
Indianapolis - W. 18th St.	180970081	4/11/2023	22.4	20.9
Indianapolis - I-70 E	180970087	4/11/2023	32.3	20.5
Columbus - Rocky Ford Drive	180050008	4/12/2023	13.4	13.4
Dale	181470009	4/12/2023	13.9	13.9
Evansville - U of E	181630016	4/12/2023	19.6	15.5
Evansville - Buena Vista	181630021	4/12/2023	17.0	16.4
Columbus - Rocky Ford Drive	180050008	4/13/2023	20.5	13.7
Jeffersonville - Bates-Bowyer Ave	180190010	4/13/2023	18.1	17.0
Indianapolis - Washington Park	180970078	4/13/2023	19.2	17.8
Indianapolis - W. 18th St.	180970081	4/13/2023	27.3	20.9
Indianapolis - I-70 E	180970087	4/13/2023	25.2	20.5
East Chicago - Marina	180890034	4/14/2023	20.2	18.0
Hammond-167th St	180890036	4/14/2023	17.3	16.3
Indianapolis - W. 18th St.	180970081	4/14/2023	31.3	20.9
Indianapolis - I-70 E	180970087	4/14/2023	21.5	20.5
Gary - Madison St	180890031	5/9/2023	17.0	16.0
East Chicago - Franklin/Washington Sch	180890006	5/12/2023	19.5	16.1
Gary - Madison St	180890031	5/12/2023	17.5	16.0
Hammond-167th St	180890036	5/12/2023	16.3	16.3
Hammond-167th St	180890036	5/13/2023	20.0	16.3
Ogden Dunes	181270024	5/13/2023	18.5	15.3
Elkhart - Prairie St	180390008	5/19/2023	18.6	16.3
Kokomo - E. Vaile Ave	180670004	5/19/2023	15.4	14.7
East Chicago - Marina	180890034	5/19/2023	22.2	18.0.
Hammond-167th St	180890036	5/19/2023	19.7	16.3
Indianapolis - Washington Park	180970078	5/19/2023	17.8	17.8
Indianapolis - W. 18th St.	180970081	5/19/2023	30.1	20.9
Indianapolis - I-70 E	180970087	5/19/2023	20.9	20.5
Ogden Dunes	181270024	5/19/2023	19.6	15.3
South Bend - Shields Dr.	181410015	5/19/2023	19.5	16.9
Lafayette - Greenbush St	181570008	5/19/2023	18.4	15.1

Larwill	181830003	5/19/2023	16.2	15
Columbus - Rocky Ford Drive	180050008	5/20/2023	17.7	13.7
Jeffersonville - Bates-Bowyer Ave	180190010	5/20/2023	25.1	17.0
Mechanicsburg	180650003	5/20/2023	18.7	15.5
Anderson - Eastside Elem	180950011	5/20/2023	18.1	15.4
Indianapolis - Washington Park	180970078	5/20/2023	19.3	17.8
Indianapolis - W. 18th St.	180970081	5/20/2023	22.2	20.9
Indianapolis - I-70 E	180970087	5/20/2023	20.5	20.5
Bloomington - Binford	181050003	5/20/2023	20.4	13.9
Evansville - Buena Vista	181630021	5/20/2023	21.2	16.4
Kokomo - E. Vaile Ave	180670004	5/24/2023	15.7	14.7
Indianapolis - School 21	180970084	5/24/2023	15.9	15.5
Bloomington - Binford	181050003	5/24/2023	13.5	12.8
Evansville - U of E	181630016	5/24/2023	15.0	15.0
Gary - Madison St	180890031	5/27/2023	22.2	16.0
Gary - Madison St	180890031	5/30/2023	26.1	16.0
Gary - Madison St	180890031	5/30/2023	26.4	16.0
Gary - Madison St	180890031	6/2/2023	40.8	16.0
Jeffersonville - Bates-Bowyer Ave	180190010	6/3/2023	18.8	17.0
Mechanicsburg	180650003	6/3/2023	16.2	15.5
Anderson - Eastside Elem	180950011	6/3/2023	15.4	15.4
Larwill	181830003	6/3/2023	16.9	15.0
Columbus - Rocky Ford Drive	180050008	6/4/2023	17.2	13.7
Jeffersonville - Bates-Bowyer Ave	180190010	6/4/2023	29.5	17.0
New Albany	180430008	6/4/2023	20.9	20.9
Plummer	180550001	6/4/2023	29.1	14.7
East Chicago - Marina	180890034	6/4/2023	19.7	18.0
Hammond-167th St	180890036	6/4/2023	19.2	16.3
Bloomington - Binford	181050003	6/4/2023	24.9	13.9
Evansville - Buena Vista	181630021	6/4/2023	21.9	16.4
Terre Haute - Lafayette Ave	181670018	6/4/2023	18.9	18.8
Columbus - Rocky Ford Drive	180050008	6/5/2023	15.9	13.7
Jeffersonville - Bates-Bowyer Ave	180190010	6/5/2023	38.8	17.0
Muncie - Central HS	180350006	6/5/2023	26.1	13.2
Fishers	180570007	6/5/2023	19.8	13.8
Carmel - Hazel Dell Parkway	180570008	6/5/2023	20.7	16.5
Mechanicsburg	180650003	6/5/2023	23.3	15.5
Kokomo - E. Vaile Ave	180670004	6/5/2023	27.7	14.7

East Chicago - Franklin/Washington Sch	180890006	6/5/2023	16.9	16.1
Gary - Madison St	180890031	6/5/2023	23.2	16.0
Gary - Madison St	180890031	6/5/2023	28.3	16.0
Hammond-167th St	180890036	6/5/2023	18.3	16.3
Anderson - Eastside Elem	180950011	6/5/2023	33.3	15.4
Indianapolis - Washington Park	180970078	6/5/2023	31.9	17.8
Indianapolis - W. 18th St.	180970081	6/5/2023	21.7	20.9
Indianapolis - School 21	180970084	6/5/2023	24.0	15.5
Indianapolis - I-70 E	180970087	6/5/2023	31.3	20.5
Bloomington - Binford	181050003	6/5/2023	14.6	13.9
Ogden Dunes	181270024	6/5/2023	15.5	15.3
Dale	181470009	6/5/2023	13.9	13.9
Lafayette - Greenbush St	181570008	6/5/2023	23.1	15.1
Terre Haute - Lafayette Ave	181670018	6/5/2023	23.8	18.8
Larwill	181830003	6/5/2023	20.4	15.0
Columbus - Rocky Ford Drive	180050008	6/6/2023	34.0	13.7
Jeffersonville - Bates-Bowyer Ave	180190010	6/6/2023	30.1	17.0
Elkhart - Prairie St	180390008	6/6/2023	28.1	16.3
New Albany	180430008	6/6/2023	26.3	20.9
Plummer	180550001	6/6/2023	33.8	14.7
Fishers	180570007	6/6/2023	24.2	13.8
Mechanicsburg	180650003	6/6/2023	34.5	15.5
East Chicago - Marina	180890034	6/6/2023	22.8	18.0
Hammond-167th St	180890036	6/6/2023	26.1	16.3
Anderson - Eastside Elem	180950011	6/6/2023	34.8	15.4
Indianapolis - Washington Park	180970078	6/6/2023	38.8	17.8
Indianapolis - W. 18th St.	180970081	6/6/2023	42.8	20.9
Indianapolis - I-70 E	180970087	6/6/2023	38.6	20.5
Bloomington - Binford	181050003	6/6/2023	40.9	13.9
Ogden Dunes	181270024	6/6/2023	22.9	15.3
South Bend - Shields Dr.	181410015	6/6/2023	31.2	16.9
Lafayette - Greenbush St	181570008	6/6/2023	26.9	15.1
Evansville - Buena Vista	181630021	6/6/2023	27.5	16.4
Terre Haute - Lafayette Ave	181670018	6/6/2023	27.7	18.8
Larwill	181830003	6/6/2023	31.1	15.0
Columbus - Rocky Ford Drive	180050008	6/7/2023	25.7	13.7
Jeffersonville - Bates-Bowyer Ave	180190010	6/7/2023	23.3	17.0
Elkhart - Prairie St	180390008	6/7/2023	21.7	16.3
New Albany	180430008	6/7/2023	23.5	20.9

Plummer	180550001	6/7/2023	30.8	14.7
Fishers	180570007	6/7/2023	28.8	13.8
Mechanicsburg	180650003	6/7/2023	44.9	15.5
East Chicago - Marina	180890034	6/7/2023	19.7	18.0
Hammond-167th St	180890036	6/7/2023	18.9	16.3
Anderson - Eastside Elem	180950011	6/7/2023	42.8	15.4
Indianapolis - Washington Park	180970078	6/7/2023	42.5	17.8
Indianapolis - W. 18th St.	180970081	6/7/2023	43.5	20.9
Indianapolis - I-70 E	180970087	6/7/2023	43.7	20.5
Bloomington - Binford	181050003	6/7/2023	32.1	13.9
Ogden Dunes	181270024	6/7/2023	16.5	15.3
South Bend - Shields Dr.	181410015	6/7/2023	27.6	16.9
Lafayette - Greenbush St	181570008	6/7/2023	23.2	15.1
Evansville - Buena Vista	181630021	6/7/2023	30.2	16.4
Terre Haute - Lafayette Ave	181670018	6/7/2023	27.2	18.8
Larwill	181830003	6/7/2023	37.3	15.0
Columbus - Rocky Ford Drive	180050008	6/8/2023	25.9	13.7
Jeffersonville - Bates-Bowyer Ave	180190010	6/8/2023	27.9	17.0
Muncie - Central HS	180350006	6/8/2023	19.3	13.2
Jasper - Post Office	180372001	6/8/2023	26.0	15.7
Elkhart - Prairie St	180390008	6/8/2023	17.4	16.3
New Albany	180430008	6/8/2023	22.4	20.9
Plummer	180550001	6/8/2023	21.4	14.7
Fishers	180570007	6/8/2023	20.1	13.8
Carmel - Hazel Dell Parkway	180570008	6/8/2023	20.0	16.5
Mechanicsburg	180650003	6/8/2023	19.5	15.5
East Chicago - Franklin/Washington Sch	180890006	6/8/2023	19.8	16.1
Gary - Madison St	180890031	6/8/2023	27.4	16.0
East Chicago - Marina	180890034	6/8/2023	19.7	18.0
Hammond-167th St	180890036	6/8/2023	24.7	16.3
Michigan City - Marsh Elem. Sch.	180910011	6/8/2023	16.9	15.9
Anderson - Eastside Elem	180950011	6/8/2023	27.9	15.4
Indianapolis - Washington Park	180970078	6/8/2023	28.6	17.8
Indianapolis - W. 18th St.	180970081	6/8/2023	21.0	20.9
Indianapolis - School 21	180970084	6/8/2023	21.8	15.5
Indianapolis - I-70 E	180970087	6/8/2023	30.7	20.5
Bloomington - Binford	181050003	6/8/2023	21.3	13.9
Ogden Dunes	181270024	6/8/2023	15.7	15.3
Dale	181470009	6/8/2023	27.9	13.9

Lafayette - Greenbush St	181570008	6/8/2023	18.8	15.1
Evansville - U of E	181630016	6/8/2023	24.6	15.5
Evansville - Buena Vista	181630021	6/8/2023	29.7	16.4
Terre Haute - Lafayette Ave	181670018	6/8/2023	19.1	18.8
Larwill	181830003	6/8/2023	21.7	15.0
Columbus - Rocky Ford Drive	180050008	6/9/2023	14.4	13.7
Jeffersonville - Bates-Bowyer Ave	180190010	6/9/2023	25.1	17.0
Elkhart - Prairie St	180390008	6/9/2023	28.5	16.3
Plummer	180550001	6/9/2023	18.0	14.7
Fishers	180570007	6/9/2023	21.5	13.8
Mechanicsburg	180650003	6/9/2023	31.4	15.5
East Chicago - Marina	180890034	6/9/2023	20.3	18.0
Hammond-167th St	180890036	6/9/2023	18.7	16.3
Anderson - Eastside Elem	180950011	6/9/2023	33.9	15.4
Indianapolis - Washington Park	180970078	6/9/2023	27.2	17.8
Indianapolis - W. 18th St.	180970081	6/9/2023	27.7	20.9
Indianapolis - I-70 E	180970087	6/9/2023	27.8	20.5
Bloomington - Binford	181050003	6/9/2023	16.7	13.9
Ogden Dunes	181270024	6/9/2023	16.4	15.3
South Bend - Shields Dr.	181410015	6/9/2023	30.8	16.9
Lafayette - Greenbush St	181570008	6/9/2023	20.1	15.1
Evansville - Buena Vista	181630021	6/9/2023	25.7	16.4
Larwill	181830003	6/9/2023	32.0	15.0
Columbus - Rocky Ford Drive	180050008	6/10/2023	13.5	13.4
Jeffersonville - Bates-Bowyer Ave	180190010	6/10/2023	26.6	17.0
Elkhart - Prairie St	180390008	6/10/2023	19.0	16.3
Fishers	180570007	6/10/2023	26.8	13.8
Mechanicsburg	180650003	6/10/2023	38.4	15.5
Kokomo - E. Vaile Ave	180670004	6/10/2023	23.9	14.7
Anderson - Eastside Elem	180950011	6/10/2023	38.1	15.4
Indianapolis - Washington Park	180970078	6/10/2023	41.0	17.8
Indianapolis - W. 18th St.	180970081	6/10/2023	36.1	20.9
Indianapolis - I-70 E	180970087	6/10/2023	38.1	20.5
Bloomington - Binford	181050003	6/10/2023	13.6	12.8
South Bend - Shields Dr.	181410015	6/10/2023	21.4	16.9
Lafayette - Greenbush St	181570008	6/10/2023	20.6	15.1
Evansville - Buena Vista	181630021	6/10/2023	22.4	16.4
Larwill	181830003	6/10/2023	22.6	15.0
Columbus - Rocky Ford Drive	180050008	6/11/2023	14.1	13.7

Muncie - Central HS	180350006	6/11/2023	17.4	13.2
Elkhart - Prairie St	180390008	6/11/2023	17.5	16.3
Plummer	180550001	6/11/2023	14.9	14.7
Carmel - Hazel Dell Parkway	180570008	6/11/2023	17.5	16.5
Mechanicsburg	180650003	6/11/2023	16.1	15.5
Kokomo - E. Vaile Ave	180670004	6/11/2023	15.1	14.7
Anderson - Eastside Elem	180950011	6/11/2023	18.6	15.4
Indianapolis - Washington Park	180970078	6/11/2023	18.0	17.8
Indianapolis - School 21	180970084	6/11/2023	16.8	15.5
Larwill	181830003	6/11/2023	15.1	15.0
Bloomington - Binford	181050003	6/14/2023	14.2	13.9
Dale	181470009	6/14/2023	19.9	13.9
Columbus - Rocky Ford Drive	180050008	6/15/2023	19.0	13.7
Jeffersonville - Bates-Bowyer Ave	180190010	6/15/2023	43.5	17.0
New Albany	180430008	6/15/2023	29.0	20.9
Plummer	180550001	6/15/2023	23.2	14.7
Fishers	180570007	6/15/2023	15.8	13.8
Mechanicsburg	180650003	6/15/2023	19.4	15.5
Kokomo - E. Vaile Ave	180670004	6/15/2023	17.5	14.7
East Chicago - Marina	180890034	6/15/2023	19.8	18.0
Hammond-167th St	180890036	6/15/2023	17.7	16.3
Anderson - Eastside Elem	180950011	6/15/2023	20.1	15.4
Indianapolis - Washington Park	180970078	6/15/2023	23.6	17.8
Indianapolis - W. 18th St.	180970081	6/15/2023	29.0	20.9
Indianapolis - I-70 E	180970087	6/15/2023	27.3	20.5
Bloomington - Binford	181050003	6/15/2023	28.5	13.9
South Bend - Shields Dr.	181410015	6/15/2023	17.8	16.9
Terre Haute - Lafayette Ave	181670018	6/15/2023	22.4	18.8
Larwill	181830003	6/15/2023	18.7	15.0
Columbus - Rocky Ford Drive	180050008	6/16/2023	14.9	13.7
Jeffersonville - Bates-Bowyer Ave	180190010	6/16/2023	24.1	17.0
Plummer	180550001	6/16/2023	17.4	14.7
Mechanicsburg	180650003	6/16/2023	16.0	15.5
Anderson - Eastside Elem	180950011	6/16/2023	17.9	15.4
Indianapolis - I-70 E	180970087	6/16/2023	21.2	20.5
Bloomington - Binford	181050003	6/16/2023	18.0	13.9
Evansville - Buena Vista	181630021	6/16/2023	23.3	16.4
Larwill	181830003	6/16/2023	17.7	15.0
Columbus - Rocky Ford Drive	180050008	6/17/2023	24.0	13.7

Jeffersonville - Bates-Bowyer Ave	180190010	6/17/2023	25.4	17.0
Muncie - Central HS	180350006	6/17/2023	25.2	13.2
Jasper - Post Office	180372001	6/17/2023	19.0	15.7
Elkhart - Prairie St	180390008	6/17/2023	23.8	16.3
New Albany	180430008	6/17/2023	24.6	20.9
Plummer	180550001	6/17/2023	18.9	14.7
Fishers	180570007	6/17/2023	21.7	13.8
Carmel - Hazel Dell Parkway	180570008	6/17/2023	22.0	16.5
Mechanicsburg	180650003	6/17/2023	22.7	15.5
Kokomo - E. Vaile Ave	180670004	6/17/2023	22.8	14.7
East Chicago - Franklin/Washington Sch	180890006	6/17/2023	20.0	16.1
Gary - Madison St	180890031	6/17/2023	28.8	16.0
East Chicago - Marina	180890034	6/17/2023	19.7	18.0
Hammond-167th St	180890036	6/17/2023	29.0	16.3
Michigan City - Marsh Elem. Sch.	180910011	6/17/2023	18.6	15.9
Anderson - Eastside Elem	180950011	6/17/2023	29.1	15.4
Indianapolis - Washington Park	180970078	6/17/2023	32.2	17.8
Indianapolis - W. 18th St.	180970081	6/17/2023	25.3	20.9
Indianapolis - School 21	180970084	6/17/2023	24.2	15.5
Indianapolis - I-70 E	180970087	6/17/2023	33.2	20.5
Bloomington - Binford	181050003	6/17/2023	27.1	13.9
Ogden Dunes	181270024	6/17/2023	22.3	15.3
South Bend - Shields Dr.	181410015	6/17/2023	23.4	16.9
Evansville - U of E	181630016	6/17/2023	18.1	15.5
Evansville - Buena Vista	181630021	6/17/2023	21.1	16.4
Terre Haute - Lafayette Ave	181670018	6/17/2023	27.1	18.8
Larwill	181830003	6/17/2023	21.7	15.0
Columbus - Rocky Ford Drive	180050008	6/18/2023	22.8	13.7
Jeffersonville - Bates-Bowyer Ave	180190010	6/18/2023	31.8	17.0
Elkhart - Prairie St	180390008	6/18/2023	30.2	16.3
New Albany	180430008	6/18/2023	27.0	20.9
Plummer	180550001	6/18/2023	27.4	14.7
Fishers	180570007	6/18/2023	23.8	13.8
Mechanicsburg	180650003	6/18/2023	29.0	15.5
Kokomo - E. Vaile Ave	180670004	6/18/2023	24.7	14.7
East Chicago - Marina	180890034	6/18/2023	29.6	18.0
Hammond-167th St	180890036	6/18/2023	29.6	16.3
Anderson - Eastside Elem	180950011	6/18/2023	30.9	15.4
Indianapolis - Washington Park	180970078	6/18/2023	33.5	17.8

Indianapolis - W. 18th St.	180970081	6/18/2023	39.3	20.9
Indianapolis - I-70 E	180970087	6/18/2023	36.2	20.5
Bloomington - Binford	181050003	6/18/2023	26.7	13.9
Ogden Dunes	181270024	6/18/2023	29.4	15.3
South Bend - Shields Dr.	181410015	6/18/2023	35.7	16.9
Lafayette - Greenbush St	181570008	6/18/2023	26.3	15.1
Evansville - Buena Vista	181630021	6/18/2023	23.7	16.4
Terre Haute - Lafayette Ave	181670018	6/18/2023	30.1	18.8
Larwill	181830003	6/18/2023	29.8	15.0
Columbus - Rocky Ford Drive	180050008	6/19/2023	16.2	13.7
Elkhart - Prairie St	180390008	6/19/2023	17.1	16.3
Plummer	180550001	6/19/2023	15.0	14.7
Fishers	180570007	6/19/2023	19.4	13.8
Mechanicsburg	180650003	6/19/2023	23.6	15.5
Kokomo - E. Vaile Ave	180670004	6/19/2023	20.7	14.7
East Chicago - Marina	180890034	6/19/2023	19.9	18.0
Hammond-167th St	180890036	6/19/2023	23.4	16.3
Anderson - Eastside Elem	180950011	6/19/2023	23.4	15.4
Indianapolis - Washington Park	180970078	6/19/2023	22.7	17.8
Indianapolis - W. 18th St.	180970081	6/19/2023	24.6	20.9
Indianapolis - I-70 E	180970087	6/19/2023	23.5	20.5
Bloomington - Binford	181050003	6/19/2023	14.1	13.9
Ogden Dunes	181270024	6/19/2023	19.1	15.3
South Bend - Shields Dr.	181410015	6/19/2023	18.9	16.9
Lafayette - Greenbush St	181570008	6/19/2023	21.6	15.1
Terre Haute - Lafayette Ave	181670018	6/19/2023	20.4	18.8
Larwill	181830003	6/19/2023	17.2	15.0
Elkhart - Prairie St	180390008	6/20/2023	16.8	16.3
East Chicago - Franklin/Washington Sch	180890006	6/20/2023	19.9	16.1
East Chicago - Marina	180890034	6/20/2023	21.5	18.0
Hammond-167th St	180890036	6/20/2023	22.4	16.3
Michigan City - Marsh Elem. Sch.	180910011	6/20/2023	18.1	15.9
Ogden Dunes	181270024	6/20/2023	20.3	15.3
South Bend - Shields Dr.	181410015	6/20/2023	18.4	16.9
Elkhart - Prairie St	180390008	6/21/2023	16.3	16.3
Mechanicsburg	180650004	6/21/2023	16.6	15.5
Kokomo - E. Vaile Ave	180670004	6/21/2023	13.9	13.9
East Chicago - Marina	180890034	6/21/2023	19.2	18.0

Hammond-167th St	180890036	6/21/2023	22.6	16.3
Anderson - Eastside Elem	180950011	6/21/2023	16.3	15.4
Bloomington - Binford	181050003	6/21/2023	14.0	13.9
Ogden Dunes	181270024	6/21/2023	21.0	15.3
South Bend - Shields Dr.	181410015	6/21/2023	20.3	16.9
Larwill	181830003	6/21/2023	18.9	15.0
East Chicago - Marina	180890034	6/22/2023	20.5	18.0
Hammond-167th St	180890036	6/22/2023	23.3	16.3
Ogden Dunes	181270024	6/22/2023	18.9	15.3
East Chicago - Franklin/Washington Sch	180890006	6/23/2023	23.2	16.1
Gary - Madison St	180890031	6/23/2023	31.9	16.0
East Chicago - Marina	180890034	6/23/2023	24.4	18.0
Hammond-167th St	180890036	6/23/2023	24.8	16.3
Michigan City - Marsh Elem. Sch.	180910011	6/23/2023	20.2	15.9
Ogden Dunes	181270024	6/23/2023	23.1	15.3
Columbus - Rocky Ford Drive	180050008	6/24/2023	18.9	13.7
Jeffersonville - Bates-Bowyer Ave	180190010	6/24/2023	22.6	17.0
Plummer	180550001	6/24/2023	20.2	14.7
Hammond-167th St	180890036	6/24/2023	17.1	16.3
Bloomington - Binford	181050003	6/24/2023	20.1	13.9
Ogden Dunes	181270024	6/24/2023	15.3	15.3
Lafayette - Greenbush St	181570008	6/24/2023	18.9	15.1
Evansville - Buena Vista	181630021	6/24/2023	17.7	16.4
Terre Haute - Lafayette Ave	181670018	6/24/2023	20.5	18.8
Fishers	180570007	6/25/2023	16.8	13.8
Kokomo - E. Vaile Ave	180670004	6/25/2023	14.5	13.9
Anderson - Eastside Elem	180950011	6/25/2023	15.6	15.4
Elkhart - Prairie St	180390008	6/26/2023	21.7	16.3
Kokomo - E. Vaile Ave	180670004	6/26/2023	17.3	14.7
East Chicago - Franklin/Washington Sch	180890006	6/26/2023	28.9	16.1
Gary - Madison St	180890031	6/26/2023	30.9	16.0
East Chicago - Marina	180890034	6/26/2023	32.3	18.0
Hammond-167th St	180890036	6/26/2023	33.6	16.3
Michigan City - Marsh Elem. Sch.	180910011	6/26/2023	27.5	15.9
Ogden Dunes	181270024	6/26/2023	30.6	15.3
South Bend - Shields Dr.	181410015	6/26/2023	21.1	16.9
Lafayette - Greenbush St	181570008	6/26/2023	18.5	15.1
Larwill	181830003	6/26/2023	15.0	15.0

Columbus - Rocky Ford Drive	180050008	6/27/2023	53.2	13.7
Jeffersonville - Bates-Bowyer Ave	180190010	6/27/2023	35.8	17.0
Elkhart - Prairie St	180390008	6/27/2023	115.9	16.3
New Albany	180430008	6/27/2023	25.1	20.9
Plummer	180550001	6/27/2023	59.1	14.7
Fishers	180570007	6/27/2023	90.8	13.8
Mechanicsburg	180650003	6/27/2023	112.2	15.5
Kokomo - E. Vaile Ave	180670004	6/27/2023	114.6	14.7
East Chicago - Marina	180890034	6/27/2023	121.1	18.0
Hammond-167th St	180890036	6/27/2023	125.9	16.3
Anderson - Eastside Elem	180950011	6/27/2023	153.2	15.4
Indianapolis - Washington Park	180970078	6/27/2023	104.6	17.8
Indianapolis - W. 18th St.	180970081	6/27/2023	111.2	20.9
Indianapolis - I-70 E	180970087	6/27/2023	106.8	20.5
Bloomington - Binford	181050003	6/27/2023	62.1	13.9
Ogden Dunes	181270024	6/27/2023	97.0	15.3
South Bend - Shields Dr.	181410015	6/27/2023	145.4	16.9
Lafayette - Greenbush St	181570008	6/27/2023	117.5	15.1
Evansville - Buena Vista	181630021	6/27/2023	35.4	16.4
Terre Haute - Lafayette Ave	181670018	6/27/2023	74.3	18.8
Larwill	181830003	6/27/2023	146.3	15.0
Columbus - Rocky Ford Drive	180050008	6/28/2023	139.3	13.7
Jeffersonville - Bates-Bowyer Ave	180190010	6/28/2023	98.9	17.0
Elkhart - Prairie St	180390008	6/28/2023	84.5	16.3
New Albany	180430008	6/28/2023	75.4	20.9
Plummer	180550001	6/28/2023	140.0	14.7
Fishers	180570007	6/28/2023	111.3	13.8
Mechanicsburg	180650003	6/28/2023	107.1	15.5
Kokomo - E. Vaile Ave	180670004	6/28/2023	119.0	14.7
East Chicago - Marina	180890034	6/28/2023	107.7	18.0
Hammond-167th St	180890036	6/28/2023	110.1	16.3
Anderson - Eastside Elem	180950011	6/28/2023	114.8	15.4
Indianapolis - Washington Park	180970078	6/28/2023	160.7	17.8
Indianapolis - W. 18th St.	180970081	6/28/2023	182.4	20.9
Indianapolis - I-70 E	180970087	6/28/2023	165.3	20.5
Bloomington - Binford	181050003	6/28/2023	153.1	13.9
Ogden Dunes	181270024	6/28/2023	84.8	15.3
South Bend - Shields Dr.	181410015	6/28/2023	114.1	16.9
Lafayette - Greenbush St	181570008	6/28/2023	130.6	15.1

Evansville - Buena Vista	181630021	6/28/2023	94.1	16.4
Terre Haute - Lafayette Ave	181670018	6/28/2023	156.8	18.8
Larwill	181830003	6/28/2023	121.0	15.0
Columbus - Rocky Ford Drive	180050008	6/29/2023	43.7	13.7
Jeffersonville - Bates-Bowyer Ave	180190010	6/29/2023	36.2	17.0
Muncie - Central HS	180350006	6/29/2023	43.7	13.2
Jasper - Post Office	180372001	6/29/2023	22.7	15.7
Elkhart - Prairie St	180390008	6/29/2023	54.8	16.3
New Albany	180430008	6/29/2023	33.8	20.9
Plummer	180550001	6/29/2023	27.7	14.7
Fishers	180570007	6/29/2023	47.3	13.8
Carmel - Hazel Dell Parkway	180570008	6/29/2023	49.7	16.5
Mechanicsburg	180650003	6/29/2023	42.3	15.5
Kokomo - E. Vaile Ave	180670004	6/29/2023	47.0	14.7
East Chicago - Franklin/Washington Sch	180890006	6/29/2023	43.6	16.1
Gary - Madison St	180890031	6/29/2023	44.2	16.0
East Chicago - Marina	180890034	6/29/2023	43.3	18.0
Hammond-167th St	180890036	6/29/2023	47.9	16.3
Michigan City - Marsh Elem. Sch.	180910011	6/29/2023	43.5	15.9
Anderson - Eastside Elem	180950011	6/29/2023	51.0	15.4
Indianapolis - Washington Park	180970078	6/29/2023	60.4	17.8
Indianapolis - W. 18th St.	180970081	6/29/2023	53.3	20.9
Indianapolis - School 21	180970084	6/29/2023	48.3	15.5
Indianapolis - I-70 E	180970087	6/29/2023	97.6	20.5
Bloomington - Binford	181050003	6/29/2023	35.7	13.9
Ogden Dunes	181270024	6/29/2023	47.2	15.3
South Bend - Shields Dr.	181410015	6/29/2023	52.2	16.9
Dale	181470009	6/29/2023	19.8	13.9
Lafayette - Greenbush St	181570008	6/29/2023	44.7	15.1
Evansville - Buena Vista	181630021	6/29/2023	27.8	16.4
Terre Haute - Lafayette Ave	181670018	6/29/2023	28.6	18.8
Larwill	181830003	6/29/2023	50.8	15.0
Elkhart - Prairie St	180390008	6/30/2023	26.1	16.3
Kokomo - E. Vaile Ave	180670004	6/30/2023	14.0	13.9
East Chicago - Marina	180890034	6/30/2023	25.9	18.0
Hammond-167th St	180890036	6/30/2023	24.6	16.3
Ogden Dunes	181270024	6/30/2023	30.4	15.3
South Bend - Shields Dr.	181410015	6/30/2023	31.3	16.9

Larwill	181830003	6/30/2023	23.0	15.0
Ogden Dunes	181270024	7/1/2023	22.3	15.3
Hammond-167th St	180890036	7/3/2023	17.3	16.3
Lafayette - Greenbush St	181570008	7/3/2023	19.0	15.1
Columbus - Rocky Ford Drive	180050009	7/4/2023	14.8	13.7
Jeffersonville - Bates-Bowyer Ave	180190010	7/4/2023	27.1	17.0
Elkhart - Prairie St	180390008	7/4/2023	27.6	16.3
New Albany	180430008	7/4/2023	40.7	20.9
Fishers	180570007	7/4/2023	18.0	13.8
Kokomo - E. Vaile Ave	180670004	7/4/2023	16.6	14.7
East Chicago - Marina	180890034	7/4/2023	31.3	18.0
Hammond-167th St	180890036	7/4/2023	28.7	16.3
Anderson - Eastside Elem	180950011	7/4/2023	15.6	15.4
Indianapolis - Washington Park	180970078	7/4/2023	34.2	17.8
Indianapolis - W. 18th St.	180970081	7/4/2023	43.4	20.9
Indianapolis - I-70 E	180970087	7/4/2023	34.5	20.5
Bloomington - Binford	181050003	7/4/2023	17.3	13.9
Ogden Dunes	181270024	7/4/2023	39.4	15.3
South Bend - Shields Dr.	181410015	7/4/2023	27.9	16.9
Lafayette - Greenbush St	181570008	7/4/2023	19.2	15.1
Evansville - Buena Vista	181630021	7/4/2023	27.2	16.4
Terre Haute - Lafayette Ave	181670018	7/4/2023	33.1	18.8
Jeffersonville - Bates-Bowyer Ave	180190010	7/5/2023	28.9	17.0
Muncie - Central HS	180350006	7/5/2023	15.0	13.2
New Albany	180430008	7/5/2023	32.4	20.9
Fishers	180570007	7/5/2023	17.8	13.8
Carmel - Hazel Dell Parkway	180570008	7/5/2023	35.9	16.5
Kokomo - E. Vaile Ave	180670004	7/5/2023	19.0	14.7
Anderson - Eastside Elem	180950011	7/5/2023	15.4	15.4
Indianapolis - Washington Park	180970078	7/5/2023	28.3	17.8
Indianapolis - W. 18th St.	180970081	7/5/2023	25.2	20.9
Indianapolis - School 21	180970084	7/5/2023	29.2	15.5
Indianapolis - I-70 E	180970087	7/5/2023	29.5	20.5
Bloomington - Binford	181050003	7/5/2023	15.2	13.9
Lafayette - Greenbush St	181570008	7/5/2023	15.1	15.1
Evansville - Buena Vista	181630021	7/5/2023	16.4	16.4
Jeffersonville - Bates-Bowyer Ave	180190010	7/16/2023	43.9	17.0
Jasper - Post Office	180372001	7/16/2023	47.2	15.7
Elkhart - Prairie St	180390008	7/16/2023	32.0	16.3

Plummer	180550001	7/16/2023	44.7	14.7
Fishers	180570007	7/16/2023	38.7	13.8
Mechanicsburg	180650003	7/16/2023	46.2	15.5
Kokomo - E. Vaile Ave	180670004	7/16/2023	43.4	14.7
East Chicago - Marina	180890034	7/16/2023	51.9	18.0
Hammond-167th St	180890036	7/16/2023	49.4	16.3
Anderson - Eastside Elem	180950011	7/16/2023	45.5	15.4
Indianapolis - Washington Park	180970078	7/16/2023	43.5	17.8
Indianapolis - W. 18th St.	180970081	7/16/2023	48.9	20.9
Indianapolis - I-70 E	180970087	7/16/2023	46.0	20.5
Bloomington - Binford	181050003	7/16/2023	42.8	13.9
Ogden Dunes	181270024	7/16/2023	39.6	15.3
South Bend - Shields Dr.	181410015	7/16/2023	39.6	16.9
Lafayette - Greenbush St	181570008	7/16/2023	47.9	15.1
Terre Haute - Lafayette Ave	181670018	7/16/2023	42.5	18.8
Larwill	181830003	7/16/2023	55.1	15.0
Jeffersonville - Bates-Bowyer Ave	180190010	7/17/2023	26.1	17.0
Jasper - Post Office	180372001	7/17/2023	18.6	15.7
Elkhart - Prairie St	180390008	7/17/2023	25.1	16.3
New Albany	180430008	7/17/2023	25.8	20.9
Plummer	180550001	7/17/2023	18.4	14.7
Fishers	180570007	7/17/2023	36.5	13.8
Carmel - Hazel Dell Parkway	180570008	7/17/2023	35.2	16.5
Mechanicsburg	180650003	7/17/2023	47.8	15.5
East Chicago - Franklin/Washington Sch	180890006	7/17/2023	19.3	16.1
East Chicago - Marina	180890034	7/17/2023	18.9	18.0
Hammond-167th St	180890036	7/17/2023	23.8	16.3
Michigan City - Marsh Elem. Sch.	180910011	7/17/2023	17.5	15.9
Anderson - Eastside Elem	180950011	7/17/2023	46.7	15.4
Indianapolis - Washington Park	180970078	7/17/2023	36.9	17.8
Indianapolis - W. 18th St.	180970081	7/17/2023	32.0	20.9
Indianapolis - I-70 E	180970087	7/17/2023	38.1	20.5
Bloomington - Binford	181050003	7/17/2023	22.2	13.9
Ogden Dunes	181270024	7/17/2023	21.2	15.3
South Bend - Shields Dr.	181410015	7/17/2023	23.7	16.9
Dale	181470009	7/17/2023	18.3	13.9
Evansville - U of E	181630016	7/17/2023	15.8	15.5
Terre Haute - Lafayette Ave	181670018	7/17/2023	22.0	18.8
Larwill	181830003	7/17/2023	36.2	15.0

Columbus - Rocky Ford Drive	180050008	7/18/2023	16.6	13.7
Plummer	180550001	7/18/2023	16.4	14.7
Fishers	180570007	7/18/2023	18.2	13.8
Mechanicsburg	180650003	7/18/2023	21.2	15.5
Anderson - Eastside Elem	180950011	7/18/2023	20.3	15.4
Indianapolis - Washington Park	180970078	7/18/2023	21.0	17.8
Indianapolis - W. 18th St.	180970081	7/18/2023	24.3	20.9
Indianapolis - I-70 E	180970087	7/18/2023	21.7	20.5
Bloomington - Binford	181050003	7/18/2023	16.0	13.9
Terre Haute - Lafayette Ave	181670018	7/18/2023	23.7	18.8
Bloomington - Binford	181050003	7/19/2023	14.5	13.9
Gary - Madison St	180890031	7/23/2023	16.3	16.0
Elkhart - Prairie St	180390008	7/24/2023	21.2	16.3
Kokomo - E. Vaile Ave	180670004	7/24/2023	15.1	14.7
East Chicago - Marina	180890034	7/24/2023	25.0	18.0
Hammond-167th St	180890036	7/24/2023	26.5	16.3
South Bend - Shields Dr.	181410015	7/24/2023	25.3	16.9
Lafayette - Greenbush St	181570008	7/24/2023	16.2	15.1
Larwill	181830003	7/24/2023	19.7	15.0
Columbus - Rocky Ford Drive	180050008	7/25/2023	17.4	13.7
Elkhart - Prairie St	180390008	7/25/2023	43.7	16.3
Fishers	180570007	7/25/2023	31.0	13.8
Mechanicsburg	180650003	7/25/2023	30.0	15.5
Kokomo - E. Vaile Ave	180670004	7/25/2023	41.9	14.7
East Chicago - Marina	180890034	7/25/2023	50.5	18.0
Hammond-167th St	180890036	7/25/2023	44.7	16.3
Anderson - Eastside Elem	180950011	7/25/2023	38.8	15.4
Indianapolis - Washington Park	180970078	7/25/2023	33.3	17.8
Indianapolis - W. 18th St.	180970081	7/25/2023	34.9	20.9
Indianapolis - I-70 E	180970087	7/25/2023	33.8	20.5
Bloomington - Binford	181050003	7/25/2023	16.7	13.9
South Bend - Shields Dr.	181410015	7/25/2023	52.9	16.9
Lafayette - Greenbush St	181570008	7/25/2023	35.5	15.1
Terre Haute - Lafayette Ave	181670018	7/25/2023	18.8	18.8
Larwill	181830003	7/25/2023	45.7	15.0
Columbus - Rocky Ford Drive	180050009	7/26/2023	16.3	13.7
Muncie - Central HS	180350006	7/26/2023	19.0	13.2
Elkhart - Prairie St	180390008	7/26/2023	20.3	16.3
Plummer	180550001	7/26/2023	15.1	14.7

Fishers	180570007	7/26/2023	18.2	13.8
Mechanicsburg	180650003	7/26/2023	17.3	15.5
Kokomo - E. Vaile Ave	180670004	7/26/2023	18.0	14.7
East Chicago - Franklin/Washington Sch	180890006	7/26/2023	19.2	16.1
Gary - Madison St	180890031	7/26/2023	20.8	16
East Chicago - Marina	180890034	7/26/2023	21.3	18
Hammond-167th St	180890036	7/26/2023	17.6	16.3
Michigan City - Marsh Elem. Sch.	180910011	7/26/2023	18.3	15.9
Anderson - Eastside Elem	180950011	7/26/2023	17.9	15.4
Bloomington - Binford	181050003	7/26/2023	14.5	13.9
South Bend - Shields Dr.	181410015	7/26/2023	20.3	16.9
Evansville - U of E	181630016	7/26/2023	15.5	15.5
Evansville - Buena Vista	181630021	7/26/2023	17.0	16.4
Larwill	181830003	7/26/2023	24.8	15.0
Columbus - Rocky Ford Drive	180050008	7/27/2023	21.1	13.7
Jeffersonville - Bates-Bowyer Ave	180190010	7/27/2023	19.4	17.0
Jasper - Post Office	180372001	7/27/2023	21.9	15.7
Plummer	180550001	7/27/2023	15.3	14.7
Fishers	180570007	7/27/2023	22.6	13.8
Kokomo - E. Vaile Ave	180670004	7/27/2023	18.5	14.7
Anderson - Eastside Elem	180950011	7/27/2023	19.5	15.4
Indianapolis - Washington Park	180970078	7/27/2023	18.9	17.8
Indianapolis - W. 18th St.	180970081	7/27/2023	21.8	20.9
Bloomington - Binford	181050003	7/27/2023	15.4	13.9
Lafayette - Greenbush St	181570008	7/27/2023	17.9	15.1
Evansville - Buena Vista	181630021	7/27/2023	19.3	16.4
Terre Haute - Lafayette Ave	181670018	7/27/2023	20.4	18.8
Columbus - Rocky Ford Drive	180050008	7/28/2023	17.4	13.7
Jeffersonville - Bates-Bowyer Ave	180190010	7/28/2023	20.5	17.0
Jasper - Post Office	180372001	7/28/2023	22.5	15.7
Plummer	180550001	7/28/2023	16.1	14.7
Fishers	180570007	7/28/2023	14.6	13.8
Bloomington - Binford	181050003	7/28/2023	13.9	13.9
Evansville - Buena Vista	181630021	7/28/2023	20.6	16.4
Columbus - Rocky Ford Drive	180050008	8/2/2023	13.6	13.4
Jeffersonville - Bates-Bowyer Ave	180190010	8/2/2023	17.3	17.0
Fishers	180570007	8/2/2023	14.8	13.8
Mechanicsburg	180650003	8/2/2023	17.4	15.5

Kokomo - E. Vaile Ave	180670004	8/2/2023	14.7	14.7
Anderson - Eastside Elem	180950011	8/2/2023	17.3	15.4
Larwill	181830003	8/2/2023	16.4	15
Elkhart - Prairie St	180390008	8/3/2023	19.0	16.3
Fishers	180570007	8/3/2023	14.2	13.8
Mechanicsburg	180650003	8/3/2023	16.8	15.5
Kokomo - E. Vaile Ave	180670004	8/3/2023	14.3	13.9
Anderson - Eastside Elem	180950011	8/3/2023	17.7	15.4
Ogden Dunes	181270024	8/3/2023	20.4	15.3
South Bend - Shields Dr.	181410015	8/3/2023	21.1	16.9
Larwill	181830003	8/3/2023	22.3	15.0
Columbus - Rocky Ford Drive	180050008	8/4/2023	16.0	13.7
Jeffersonville - Bates-Bowyer Ave	180190010	8/4/2023	16.7	16.6
Muncie - Central HS	180350006	8/4/2023	16.2	13.2
Elkhart - Prairie St	180390008	8/4/2023	17.5	16.3
Fishers	180570007	8/4/2023	14.5	13.8
Carmel - Hazel Dell Parkway	180570008	8/4/2023	16.5	16.5
Kokomo - E. Vaile Ave	180670004	8/4/2023	15.7	14.7
Gary - Madison St	180890031	8/4/2023	23.8	16.0
Michigan City - Marsh Elem. Sch.	180910011	8/4/2023	15.9	15.9
Anderson - Eastside Elem	180950011	8/4/2023	15.5	15.4
Indianapolis - Washington Park	180970078	8/4/2023	18.9	17.8
Indianapolis - School 21	180970084	8/4/2023	19.2	15.5
Indianapolis - I-70 E	180970087	8/4/2023	23.6	20.5
Bloomington - Binford	181050003	8/4/2023	13.9	13.9
South Bend - Shields Dr.	181410015	8/4/2023	18.1	16.9
Larwill	181830003	8/4/2023	16.5	15.0
Elkhart - Prairie St	180390008	8/5/2023	20.4	16.3
Fishers	180570007	8/5/2023	15.7	13.8
Mechanicsburg	180650003	8/5/2023	21.6	15.5
Kokomo - E. Vaile Ave	180670004	8/5/2023	16.8	14.7
Hammond-167th St	180890036	8/5/2023	17.5	16.3
Anderson - Eastside Elem	180950011	8/5/2023	20.4	15.4
Ogden Dunes	181270024	8/5/2023	19.3	15.3
South Bend - Shields Dr.	181410015	8/5/2023	21.1	16.9
Larwill	181830003	8/5/2023	20.8	15.0
Ogden Dunes	181270024	8/9/2023	15.5	15.3
Michigan City - Marsh Elem. Sch.	180910011	8/10/2023	16.6	15.9
Ogden Dunes	181270024	8/10/2023	16.0	15.3

Fishers	180570007	8/18/2023	15.4	13.8
East Chicago - Marina	180890034	8/18/2023	20.4	18.0
Hammond-167th St	180890036	8/18/2023	17.6	16.3
Anderson - Eastside Elem	180950011	8/18/2023	15.9	15.4
Indianapolis - Washington Park	180970078	8/18/2023	19.6	17.8
Ogden Dunes	181270024	8/18/2023	18.0	15.3
South Bend - Shields Dr.	181410015	8/18/2023	18.0	16.9
Larwill	181830003	8/18/2023	15.8	15.0
Columbus - Rocky Ford Drive	180050008	8/19/2023	14.0	13.7
Jeffersonville - Bates-Bowyer Ave	180190010	8/19/2023	16.9	16.6
Muncie - Central HS	180350006	8/19/2023	17.8	13.2
Elkhart - Prairie St	180390008	8/19/2023	19.1	16.3
Fishers	180570007	8/19/2023	18.8	13.8
Carmel - Hazel Dell Parkway	180570008	8/19/2023	17.8	16.5
Kokomo - E. Vaile Ave	180670004	8/19/2023	15.9	14.7
Anderson - Eastside Elem	180950011	8/19/2023	20.8	15.4
Indianapolis - Washington Park	180970078	8/19/2023	25.4	17.8
Indianapolis - School 21	180970084	8/19/2023	19.5	15.5
Indianapolis - I-70 E	180970087	8/19/2023	29.2	20.5
Ogden Dunes	181270024	8/19/2023	16.4	15.3
South Bend - Shields Dr.	181410015	8/19/2023	18.8	16.9
Lafayette - Greenbush St	181570008	8/19/2023	16.0	15.1
Larwill	181830003	8/19/2023	16.1	15.0
Fishers	180570007	8/20/2023	13.8	13.8
Larwill	181830003	8/20/2023	15.0	15.0
Columbus - Rocky Ford Drive	180050008	8/21/2023	14.1	13.7
Jeffersonville - Bates-Bowyer Ave	180190010	8/21/2023	17.1	17.0
Jasper - Post Office	180372001	8/21/2023	18.1	15.7
Elkhart - Prairie St	180390008	8/21/2023	18.8	16.3
Fishers	180570007	8/21/2023	14.9	13.8
Mechanicsburg	180650003	8/21/2023	15.5	15.5
East Chicago - Marina	180890034	8/21/2023	23.2	18.0
Hammond-167th St	180890036	8/21/2023	20.5	16.3
Ogden Dunes	181270024	8/21/2023	19.3	15.3
South Bend - Shields Dr.	181410015	8/21/2023	21.0	16.9
Evansville - Buena Vista	181630021	8/21/2023	17.9	16.4
Terre Haute - Lafayette Ave	181670018	8/21/2023	18.9	18.8
Larwill	181830003	8/21/2023	17.6	15.0
Columbus - Rocky Ford Drive	180050008	8/22/2023	17.5	13.7

Jeffersonville - Bates-Bowyer Ave	180190010	8/22/2023	20.7	17.0
Jasper - Post Office	180372001	8/22/2023	17.6	15.7
New Albany	180430008	8/22/2023	21.3	20.9
Plummer	180550001	8/22/2023	16.7	14.7
Fishers	180570007	8/22/2023	14.3	13.8
East Chicago - Franklin/Washington Sch	180890006	8/22/2023	17.6	16.1
Gary - Madison St	180890031	8/22/2023	16.2	16.0
Hammond-167th St	180890036	8/22/2023	16.2	16.2
Indianapolis - Washington Park	180970078	8/22/2023	17.9	17.8
Indianapolis - School 21	180970084	8/22/2023	17.1	15.5
Indianapolis - I-70 E	180970087	8/22/2023	20.7	20.5
Bloomington - Binford	181050003	8/22/2023	18.5	13.9
Ogden Dunes	181270024	8/22/2023	16.1	15.3
Dale	181470009	8/22/2023	17.3	13.9
Evansville - Buena Vista	181630021	8/22/2023	19.9	16.4
Columbus - Rocky Ford Drive	180050008	8/23/2023	15.6	13.7
Jeffersonville - Bates-Bowyer Ave	180190010	8/23/2023	21.1	17.0
Jasper - Post Office	180372001	8/23/2023	23.9	15.7
Plummer	180550001	8/23/2023	18.1	14.7
Fishers	180570007	8/23/2023	19.0	13.8
Mechanicsburg	180650003	8/23/2023	18.6	15.5
Kokomo - E. Vaile Ave	180670004	8/23/2023	15.6	14.7
Anderson - Eastside Elem	180950011	8/23/2023	18.0	15.4
Indianapolis - Washington Park	180970078	8/23/2023	18.1	17.8
Indianapolis - W. 18th St.	180970081	8/23/2023	21.6	20.9
Indianapolis - I-70 E	180970087	8/23/2023	20.5	20.5
Bloomington - Binford	181050003	8/23/2023	16.7	13.9
Ogden Dunes	181270024	8/23/2023	18.4	15.3
Lafayette - Greenbush St	181570008	8/23/2023	17.6	15.1
Evansville - Buena Vista	181630021	8/23/2023	23.9	16.4
Terre Haute - Lafayette Ave	181670018	8/23/2023	18.8	18.8
Larwill	181830003	8/23/2023	15.9	15.0
Columbus - Rocky Ford Drive	180050008	8/24/2023	22.0	13.7
Jeffersonville - Bates-Bowyer Ave	180190010	8/24/2023	25.2	17.0
Jasper - Post Office	180372001	8/24/2023	27.6	15.7
New Albany	180430008	8/24/2023	20.9	20.9
Plummer	180550001	8/24/2023	17.3	14.7
Fishers	180570007	8/24/2023	22.4	13.8
Mechanicsburg	180650003	8/24/2023	18.1	15.5

Kokomo - E. Vaile Ave	180670004	8/24/2023	19.0	14.7
Anderson - Eastside Elem	180950011	8/24/2023	17.4	15.4
Indianapolis - Washington Park	180970078	8/24/2023	21.2	17.8
Indianapolis - W. 18th St.	180970081	8/24/2023	25.1	20.9
Indianapolis - I-70 E	180970087	8/24/2023	24.6	20.5
Bloomington - Binford	181050003	8/24/2023	17.3	13.9
South Bend - Shields Dr.	181410015	8/24/2023	16.9	16.9
Lafayette - Greenbush St	181570008	8/24/2023	17.7	15.1
Evansville - U of E	181630016	8/24/2023	21.7	15.5
Evansville - Buena Vista	181630021	8/24/2023	23.9	16.4
Terre Haute - Lafayette Ave	181670018	8/24/2023	21.3	18.8
Columbus - Rocky Ford Drive	180050008	8/25/2023	14.6	13.7
Jeffersonville - Bates-Bowyer Ave	180190010	8/25/2023	18.5	17.0
Jasper - Post Office	180372001	8/25/2023	18.0	15.7
Plummer	180550001	8/25/2023	15.3	14.7
Fishers	180570007	8/25/2023	15.5	13.8
Bloomington - Binford	181050003	8/25/2023	16.6	13.9
Dale	181470009	8/25/2023	17.9	13.9
Evansville - U of E	181630016	8/25/2023	18.2	15.5
Evansville - Buena Vista	181630021	8/25/2023	19.9	16.4
Columbus - Rocky Ford Drive	180050008	9/7/2023	15.3	13.7
Jeffersonville - Bates-Bowyer Ave	180190010	9/7/2023	21.0	17.0
Jasper - Post Office	180372001	9/7/2023	22.5	15.7
Plummer	180550001	9/7/2023	19.6	14.7
Bloomington - Binford	181050003	9/7/2023	18.7	13.9
Evansville - Buena Vista	181630021	9/7/2023	23.1	16.4
Indianapolis - Washington Park	180970078	9/17/2023	20.4	17.8
Indianapolis - W. 18th St.	180970081	9/17/2023	24.0	20.9
Indianapolis - I-70 E	180970087	9/17/2023	27.9	20.5
Evansville - Buena Vista	181630021	9/21/2023	16.8	16.4
East Chicago - Marina	180890034	10/4/2023	18.7	18.0
Larwill	181830003	10/24/2023	15.1	15
Dale	181470009	10/30/2023	83.2	13.9
Elkhart - Prairie St	180390008	11/4/2023	19.2	16.3
Elkhart - Prairie St	180390008	11/5/2023	19.2	16.3
Hammond-167th St	180890036	11/5/2023	16.6	16.3
Indianapolis - Washington Park	180970078	11/5/2023	22.2	17.8
Indianapolis - W. 18th St.	180970081	11/5/2023	24.1	20.9
Indianapolis - School 21	180970084	11/5/2023	15.8	15.5

Indianapolis - I-70 E	180970087	11/5/2023	28.6	20.5
Ogden Dunes	181270024	11/5/2023	16.5	15.3
Lafayette - Greenbush St	181570008	11/5/2023	15.1	15.1
Terre Haute - Lafayette Ave	181670018	11/5/2023	25.0	18.8
Evansville - Buena Vista	181630021	11/7/2023	16.4	16.4
Elkhart - Prairie St	180390008	11/14/2023	30.7	16.3
Elkhart - Prairie St	180390008	11/15/2023	18.4	16.3
Indianapolis - Washington Park	180970078	11/15/2023	18.4	17.8
Indianapolis - W. 18th St.	180970081	11/15/2023	50.7	20.9
Indianapolis - I-70 E	180970087	11/15/2023	32.7	20.5
Terre Haute - Lafayette Ave	181670018	11/15/2023	19.2	18.8
Elkhart - Prairie St	180390008	11/16/2023	16.3	16.3
Indianapolis - W. 18th St.	180970081	11/16/2023	45.9	20.9
Indianapolis - I-70 E	180970087	11/16/2023	21.5	20.5

Table 11 - Smoke Influenced Days on Daily PM_{2.5} Concentrations for 2024

Monitor Name	AQS	Date	Daily Average (µg/m³)	Tier 2 Threshold (µg/m³)
Kokomo - E. Vaile Ave	180670004	2/20/2024	14.8	14.7
Indianapolis - W. 18th St.	180970081	2/20/2024	30.9	20.9
Lafayette - Greenbush St	181570008	2/20/2024	15.8	15.1
Jasper - Post Office	180372001	2/21/2024	15.8	15.7
Elkhart - Prairie St	180390008	2/21/2024	17.9	16.3
Carmel - Hazel Dell Parkway	180570008	2/21/2024	21.3	16.5
Kokomo - E. Vaile Ave	180670004	2/21/2024	17.3	14.7
Hammond-167th St	180890036	2/21/2024	16.3	16.3
Indianapolis - I-70 E	180970087	2/21/2024	21.4	20.5
South Bend - Shields Dr.	181410015	2/21/2024	18.6	16.9
Evansville - Buena Vista	181630021	2/21/2024	16.5	16.4
Terre Haute - Lafayette Ave	181670018	2/21/2024	20.2	18.8
Columbus - Rocky Ford Drive	180050008	2/22/2024	16.2	13.7
Jeffersonville - Bates-Bowyer Ave	180190010	2/22/2024	21.6	17.0
Muncie - Central HS	180350006	2/22/2024	21.0	13.2
Fishers	180570007	2/22/2024	14.6	13.8
Mechanicsburg	180650003	2/22/2024	22.2	15.5
Kokomo - E. Vaile Ave	180670004	2/22/2024	15.8	14.7
East Chicago - Marina	180890034	2/22/2024	30.4	18.0
Hammond-167th St	180890036	2/22/2024	23.9	16.3
Anderson - Eastside Elem	180950011	2/22/2024	18.9	15.4
Indianapolis - Washington Park	180970078	2/22/2024	19.6	17.8
Indianapolis - W. 18th St.	180970081	2/22/2024	26.3	20.9
Indianapolis - I-70 E	180970087	2/22/2024	25.1	20.5
Ogden Dunes	181270024	2/22/2024	18.4	15.3
Lafayette - Greenbush St	181570008	2/22/2024	17.4	15.1
Larwill	181830003	2/22/2024	16.8	15.0
Terre Haute - Lafayette Ave	181670018	2/26/2024	23.7	18.8
Kokomo - E. Vaile Ave	180670004	2/27/2024	15.9	14.7
Lafayette - Greenbush St	181570008	2/27/2024	15.4	15.1
Elkhart - Prairie St	180390008	3/2/2024	19.1	16.3
East Chicago - Marina	180890034	3/2/2024	20.8	18.0
South Bend - Shields Dr.	181410015	3/2/2024	20.0	16.9
Lafayette - Greenbush St	181570008	3/2/2024	15.9	15.1
Evansville - Buena Vista	181630021	3/2/2024	16.4	16.4
Larwill	181830003	3/2/2024	16.9	15.0

Elkhart - Prairie St	180390008	3/13/2024	20.3	16.3
East Chicago - Franklin/Washington Sch	180890006	3/13/2024	17.7	16.1
Gary - Madison St	180890031	3/13/2024	22.5	16.0
Hammond-167th St	180890036	3/13/2024	18.3	16.3
Muncie - Central HS	180350006	3/29/2024	16.9	13.2
Mechanicsburg	180650003	3/29/2024	18.2	15.5
Anderson - Eastside Elem	180950011	3/29/2024	15.4	15.4
Gary - Madison St	180890031	4/15/2024	21.4	16.0
Terre Haute - Lafayette Ave	181670018	5/12/2024	21.7	18.8
Michigan City - Marsh Elem. Sch.	180910011	5/14/2024	16.7	15.9
Muncie - Central HS	180350006	5/16/2024	13.2	13.2
Indianapolis - W. 18th St.	180970081	5/19/2024	21.1	20.9
Terre Haute - Lafayette Ave	181670018	5/19/2024	22.1	18.8
Muncie - Central HS	180350006	6/17/2024	13.5	13.2
Columbus - Rocky Ford Drive	180050008	6/19/2024	13.8	13.7
Muncie - Central HS	180350006	6/19/2024	14.4	13.2
Muncie - Central HS	180350006	6/20/2024	14.4	13.2
Columbus - Rocky Ford Drive	180050008	6/21/2024	17.7	13.7
Muncie - Central HS	180350006	6/21/2024	17.7	13.2
Jasper - Post Office	180372001	6/21/2024	16.8	15.7
Fishers	180570007	6/21/2024	16.6	13.8
Mechanicsburg	180650003	6/21/2024	17.7	15.5
Hammond-167th St	180890036	6/21/2024	19.5	16.3
Anderson - Eastside Elem	180950011	6/21/2024	15.7	15.4
Indianapolis - Washington Park	180970078	6/21/2024	19.1	17.8
Indianapolis - W. 18th St.	180970081	6/21/2024	23.7	20.9
Columbus - Rocky Ford Drive	180050008	6/22/2024	15.1	13.7
Muncie - Central HS	180350006	6/22/2024	16.8	13.2
Fishers	180570007	6/22/2024	16.1	13.8
Muncie - Central HS	180350006	7/4/2024	15.8	13.2
Elkhart - Prairie St	180390008	7/4/2024	19.7	16.3
East Chicago - Marina	180890034	7/4/2024	24.0	18.0
Hammond-167th St	180890036	7/4/2024	27.8	16.3
Michigan City - Marsh Elem. Sch.	180910011	7/4/2024	24.8	15.9
Indianapolis - Washington Park	180970078	7/4/2024	20.2	17.8
Indianapolis - W. 18th St.	180970081	7/4/2024	35.9	20.9
Ogden Dunes	181270024	7/4/2024	31.4	15.3
South Bend - Shields Dr.	181410015	7/4/2024	22.6	16.9
Lafayette - Greenbush St	181570008	7/4/2024	17.6	15.1
Terre Haute - Lafayette Ave	181670018	7/4/2024	40.0	18.8

Fishers	180570007	7/5/2024	14.1	13.8
Gary - Madison St	180890031	7/5/2024	18.3	16.0
Indianapolis - Washington Park	180970078	7/5/2024	24.2	17.8
Indianapolis - W. 18th St.	180970081	7/5/2024	28.0	20.9
Indianapolis - School 21	180970084	7/5/2024	33.5	15.5
Indianapolis- I-70 E	180970087	7/5/2024	21.6	20.5
South Bend - Shields Dr.	181410015	7/5/2024	24.4	16.9
Terre Haute - Lafayette Ave	181670018	7/5/2024	24.0	18.8
Elkhart - Prairie St	180390008	7/6/2024	17.1	16.3
Indianapolis - Washington Park	180970078	7/7/2024	20.3	17.8
Indianapolis - W. 18th St.	180970081	7/7/2024	26.0	20.9
Indianapolis - I-70 E	180970087	7/7/2024	21.4	20.5
Evansville - Buena Vista	181630021	7/7/2024	17.9	16.4
Terre Haute - Lafayette Ave	181670018	7/7/2024	22.5	18.8
Ogden Dunes	181270024	7/20/2024	16.5	15.3
Ogden Dunes	181270024	7/21/2024	16.0	15.3
Indianapolis - Washington Park	180970078	7/23/2024	18.0	17.8
Muncie - Central HS	180350006	7/24/2024	17.2	13.2
Fishers	180570007	7/24/2024	14.6	13.8
Kokomo - E. Vaile Ave	180670004	7/24/2024	16.6	14.7
Lafayette - Greenbush St	181570008	7/24/2024	16.0	15.1
Fishers	180570007	7/25/2024	14.2	13.8
Jeffersonville - Bates-Bowyer Ave	180190010	7/26/2024	18.4	17.0
Jasper - Post Office	180372001	7/26/2024	17.8	15.7
Dale	181470009	7/26/2024	18.1	13.9
Evansville - U of E	181630016	7/26/2024	18.0	15.5
Evansville - Buena Vista	181630021	7/26/2024	21.5	16.4
Evansville - Buena Vista	181630021	7/27/2024	20.3	16.4
Muncie - Central HS	180350006	8/3/2024	15.2	13.2
Fishers	180570007	8/3/2024	16.2	13.8
Kokomo - E. Vaile Ave	180670004	8/3/2024	14.9	14.7
Hammond-167th St	180890036	8/3/2024	18.3	16.3
Anderson - Eastside Elem	180950011	8/3/2024	15.8	15.4
Indianapolis - Washington Park	180970078	8/3/2024	18.1	17.8
Lafayette - Greenbush St	181570008	8/3/2024	15.6	15.1
Larwill	181830003	8/3/2024	16.6	15.0
Columbus - Rocky Ford Drive	180050008	8/4/2024	14.7	13.7
Muncie - Central HS	180350006	8/4/2024	16.2	13.2
Fishers	180570007	8/4/2024	17.4	13.8
Anderson - Eastside Elem	180950011	8/4/2024	18.0	15.4
Indianapolis - Washington Park	180970078	8/4/2024	20.1	17.8

Dale	181470009	8/4/2024	13.9	13.9
Evansville - Buena Vista	181630021	8/4/2024	16.6	16.4
Jeffersonville - Bates-Bowyer Ave	180190010	8/5/2024	19.3	17.0
Muncie - Central HS	180350006	8/5/2024	14.2	13.2
Fishers	180570007	8/5/2024	14.2	13.8
Evansville - Buena Vista	181630021	8/5/2024	16.9	16.4
Columbus - Rocky Ford Drive	180050008	8/6/2024	14.3	13.7
Jeffersonville - Bates-Bowyer Ave	180190010	8/6/2024	19.2	17.0
Muncie - Central HS	180350006	8/6/2024	14.0	13.2
Jasper - Post Office	180372001	8/6/2024	16.5	15.7
Fishers	180570007	8/6/2024	15.7	13.8
Ogden Dunes	181270024	8/14/2024	15.5	15.3
Muncie - Central HS	180350006	8/24/2024	14.4	13.2
Elkhart - Prairie St	180390008	8/24/2024	17.0	16.3
Fishers	180570007	8/24/2024	14.1	13.8
Hammond-167th St	180890036	8/24/2024	16.4	16.3
Michigan City - Marsh Elem. Sch.	180910011	8/24/2024	16.2	15.9
Indianapolis - W. 18th St.	180970081	8/24/2024	21.5	20.9
Ogden Dunes	181270024	8/24/2024	16.0	15.3
Muncie - Central HS	180350006	8/25/2024	13.4	13.2
Fishers	180570007	8/25/2024	16.2	13.8
Muncie - Central HS	180350006	8/26/2024	14.6	13.2
Fishers	180570007	8/26/2024	14.4	13.8
Muncie - Central HS	180350006	8/27/2024	16.9	13.2
Fishers	180570007	8/27/2024	17.7	13.8
Anderson - Eastside Elem	180950011	8/27/2024	15.6	15.4
Dale	181470009	8/28/2024	15.1	13.9
Evansville - U of E	181630016	8/28/2024	15.6	15.5
Evansville - Buena Vista	181630021	8/28/2024	17.8	16.4
Jasper - Post Office	180372001	8/29/2024	16.4	15.7
Evansville - Buena Vista	181630021	8/29/2024	18.9	16.4
Muncie - Central HS	180350006	8/30/2024	14.0	13.2
Plummer	180550001	8/30/2024	14.7	14.7
Fishers	180570007	8/30/2024	14.6	13.8
South Bend - Shields Dr.	181410015	9/12/2024	20.0	16.9
Indianapolis - Washington Park	180970078	10/2/2024	18.3	17.8
Indianapolis - Washington Park	180970078	10/3/2024	18.7	17.8
Indianapolis - W. 18th St.	180970081	10/3/2024	24.7	20.9
Indianapolis - W. 18th St.	180970081	10/9/2024	22.5	20.9
Indianapolis - W. 18th St.	180970081	10/12/2024	21.0	20.9

Indianapolis - W. 18th St.	180970081	10/18/2024	24.5	20.9
Indianapolis - I-70 E	180970087	10/18/2024	24.6	20.5
Muncie - Central HS	180350006	10/19/2024	15.7	13.2
Indianapolis - Washington Park	180970078	10/19/2024	21.7	17.8
Indianapolis - W. 18th St.	180970081	10/19/2024	41.1	20.9
Indianapolis - I-70 E	180970087	10/19/2024	29.0	20.5
Jeffersonville - Bates-Bowyer Ave	180190010	10/20/2024	20.3	17.0
Muncie - Central HS	180350006	10/20/2024	17.0	13.2
Indianapolis - Washington Park	180970078	10/20/2024	27.2	17.8
Indianapolis - W. 18th St.	180970081	10/20/2024	50.7	20.9
Indianapolis - I-70 E	180970087	10/20/2024	28.7	20.5
Terre Haute - Lafayette Ave	181670018	10/20/2024	23.0	18.8
Jeffersonville - Bates-Bowyer Ave	180190010	10/21/2024	18.4	17.0
Muncie - Central HS	180350006	10/21/2024	18.6	13.2
Indianapolis - Washington Park	180970078	10/21/2024	18.3	17.8
Indianapolis - W. 18th St.	180970081	10/21/2024	30.8	20.9
Columbus - Rocky Ford Drive	180050008	10/29/2024	13.7	13.7
Muncie - Central HS	180350006	10/29/2024	15.5	13.2
Plummer	180550001	10/29/2024	16.9	14.7
Bloomington - Binford	181050003	10/29/2024	15.7	13.9
Evansville - Buena Vista	181630021	10/29/2024	19.4	16.4
Muncie - Central HS	180350006	10/30/2024	13.7	13.2

Table 12 – Smoke Influenced Days on Daily PM_{2.5} Concentrations for 2025

Monitor Name	AQS	Date	Daily Average (µg/m³)	Tier 2 Threshold (µg/m³)
Evansville - Oak Hill	181630024	3/10/2025	21.9	21.1
Jeffersonville - Bates-Bowyer Ave	180190010	3/13/2025	23.0	16.6
Plummer	180550001	3/13/2025	15.1	13.2
Indianapolis - Washington Park	180970078	3/13/2025	18.1	18.1
Bloomington - Binford	181050003	3/13/2025	20.0	12.8
Dale-N Wallace St	181470011	3/13/2025	15.6	13.0
Evansville - Buena Vista	181630021	3/13/2025	20.1	16.4
Evansville - Oak Hill	181630024	3/13/2025	21.3	21.1
East Chicago - Marina	180890034	3/15/2025	28.3	18.0
Hammond-167th St	180890036	3/15/2025	27.6	16.2
Michigan City - Marsh Elem. Sch.	180910011	3/15/2025	42.5	15.9
Plummer	180550001	5/16/2025	15.2	13.2
Fishers	180570007	5/16/2025	16.2	13.8
Bloomington - Binford	181050003	5/16/2025	13.8	12.8
Michigan City - Marsh Elem. Sch.	180910011	5/30/2025	16.3	15.9
Muncie - Central HS	180350006	6/2/2025	14.7	13.2
Indianapolis - W. 18th St.	180970081	6/2/2025	22.4	20.9
Fort Wayne - Coliseum	180030015	6/3/2025	21.8	18.0
Muncie - Central HS	180350006	6/3/2025	13.5	13.2
Jasper - Post Office	180372001	6/3/2025	15.7	15.4
New Albany	180430008	6/3/2025	14.6	13.7
Plummer	180550001	6/3/2025	15.8	13.2
Fishers	180570007	6/3/2025	17.8	13.8
Carmel - Hazel Dell Parkway	180570008	6/3/2025	18.5	16.2
Kokomo - E. Vaile Ave	180670004	6/3/2025	14.4	13.9
Indianapolis - Washington Park	180970078	6/3/2025	18.8	18.1
Bloomington - Binford	181050003	6/3/2025	14.6	12.8
Dale-N Wallace St	181470011	6/3/2025	15.0	13.0
Lafayette - Greenbush St	181570008	6/3/2025	16.3	15.1
Evansville - Buena Vista	181630021	6/3/2025	20.2	16.4
Terre Haute - Lafayette Ave	181670018	6/3/2025	19.1	18.8
Larwill	181830003	6/3/2025	15.4	15.0
Jeffersonville - Bates-Bowyer Ave	180190010	6/4/2025	24.5	16.6
Muncie - Central HS	180350006	6/4/2025	21.3	13.2

Jasper - Post Office	180372001	6/4/2025	24.7	15.4
New Albany	180430008	6/4/2025	16.5	13.7
Plummer	180550001	6/4/2025	20.3	13.2
Fishers	180570007	6/4/2025	20.8	13.8
Mechanicsburg	180650003	6/4/2025	23.0	14.8
East Chicago - Marina	180890034	6/4/2025	40.5	18.0
Hammond-167th St	180890036	6/4/2025	36.1	16.2
Michigan City - Marsh Elem. Sch.	180910011	6/4/2025	37.7	15.9
Anderson - Eastside Elem	180950011	6/4/2025	20.2	15.4
Indianapolis - Washington Park	180970078	6/4/2025	21.8	18.1
Indianapolis - W. 18th St.	180970081	6/4/2025	22.7	20.9
Indianapolis- I-70 E	180970087	6/4/2025	21.0	20.5
Bloomington - Binford	181050003	6/4/2025	20.2	12.8
South Bend - Shields Dr.	181410015	6/4/2025	17.2	16.9
Dale-N Wallace St	181470011	6/4/2025	24.3	13.0
Evansville - Buena Vista	181630021	6/4/2025	23.0	16.4
Evansville - Oak Hill	181630024	6/4/2025	22.0	21.1
Elkhart - Prairie St	180390008	6/5/2025	20.8	16.3
East Chicago - Marina	180890034	6/5/2025	53.2	18.0
Hammond-167th St	180890036	6/5/2025	57.8	16.2
Michigan City - Marsh Elem. Sch.	180910011	6/5/2025	51.9	15.9
Ogden Dunes	181270024	6/5/2025	42.7	15.3
South Bend - Shields Dr.	181410015	6/5/2025	29.6	16.9
Elkhart - Prairie St	180390008	6/6/2025	24.3	16.3
Fishers	180570007	6/6/2025	16.3	13.8
Carmel - Hazel Dell Parkway	180570008	6/6/2025	16.8	16.2
Kokomo - E. Vaile Ave	180670004	6/6/2025	15.6	13.9
East Chicago - Franklin/Washington Sch	180890006	6/6/2025	30.0	16.1
Gary - Madison St	180890031	6/6/2025	29.2	16
East Chicago - Marina	180890034	6/6/2025	28.6	18
Hammond-167th St	180890036	6/6/2025	40.0	16.2
Michigan City - Marsh Elem. Sch.	180910011	6/6/2025	24.2	15.9
Indianapolis - Washington Park	180970078	6/6/2025	18.3	18.1
Ogden Dunes	181270024	6/6/2025	25.1	15.3
South Bend - Shields Dr.	181410015	6/6/2025	25.1	16.9
Lafayette - Greenbush St	181570008	6/6/2025	20.4	15.1
Terre Haute - Lafayette Ave	181670018	6/6/2025	19.5	18.8
Larwill	181830003	6/6/2025	25.4	15.0

Fort Wayne - Coliseum	180030015	6/7/2025	34.8	18.0
Muncie - Central HS	180350006	6/7/2025	29.1	13.2
Elkhart - Prairie St	180390008	6/7/2025	24.6	16.3
Plummer	180550001	6/7/2025	15.6	13.2
Fishers	180570007	6/7/2025	16.0	13.8
Mechanicsburg	180650003	6/7/2025	22.4	14.8
Kokomo - E. Vaile Ave	180670004	6/7/2025	28.1	13.9
East Chicago - Marina	180890034	6/7/2025	22.5	18.0
Hammond-167th St	180890036	6/7/2025	27.8	16.2
Michigan City - Marsh Elem. Sch.	180910011	6/7/2025	29.5	15.9
Anderson - Eastside Elem	180950011	6/7/2025	24.7	15.4
Ogden Dunes	181270024	6/7/2025	19.7	15.3
South Bend - Shields Dr.	181410015	6/7/2025	37.2	16.9
Lafayette - Greenbush St	181570008	6/7/2025	32.5	15.1
Larwill	181830003	6/7/2025	29.1	15.0
Muncie - Central HS	180350006	6/8/2025	25.2	13.2
Plummer	180550001	6/8/2025	13.9	13.2
Fishers	180570007	6/8/2025	16.8	13.8
Mechanicsburg	180650003	6/8/2025	19.4	14.8
Kokomo - E. Vaile Ave	180670004	6/8/2025	19.1	13.9
East Chicago - Marina	180890034	6/8/2025	21.4	18.0
Hammond-167th St	180890036	6/8/2025	25.3	16.2
Michigan City - Marsh Elem. Sch.	180910011	6/8/2025	23.5	15.9
Anderson - Eastside Elem	180950011	6/8/2025	21.6	15.4
Ogden Dunes	181270024	6/8/2025	19.4	15.3
South Bend - Shields Dr.	181410015	6/8/2025	22.2	16.9
Lafayette - Greenbush St	181570008	6/8/2025	21.9	15.1
Larwill	181830003	6/8/2025	27.0	15.0
Fishers	180570007	6/9/2025	14.5	13.8
Mechanicsburg	180650003	6/9/2025	16.1	14.8
Hammond-167th St	180890036	6/9/2025	21.2	16.2
Ogden Dunes	181270024	6/9/2025	16.2	15.3
Muncie - Central HS	180350006	6/10/2025	14.5	13.2
Jasper - Post Office	180372001	6/10/2025	16.0	15.4
Plummer	180550001	6/10/2025	13.8	13.2
Hammond-167th St	180890036	6/10/2025	17.2	16.2
Michigan City - Marsh Elem. Sch.	180910011	6/10/2025	17.2	15.9
Bloomington - Binford	181050003	6/10/2025	14.5	12.8
Dale-N Wallace St	181470011	6/10/2025	16.5	13.0

Evansville - Buena Vista	181630021	6/10/2025	18.5	16.4
Jeffersonville - Bates-Bowyer Ave	180190010	6/11/2025	20.6	16.6
Muncie - Central HS	180350006	6/11/2025	20.0	13.2
Jasper - Post Office	180372001	6/11/2025	18.0	15.4
Plummer	180550001	6/11/2025	17.8	13.2
Fishers	180570007	6/11/2025	20.5	13.8
Carmel - Hazel Dell Parkway	180570008	6/11/2025	20.8	16.2
Mechanicsburg	180650003	6/11/2025	20.3	14.8
East Chicago - Marina	180890034	6/11/2025	21.0	18.0
Hammond-167th St	180890036	6/11/2025	22.0	16.2
Michigan City - Marsh Elem. Sch.	180910011	6/11/2025	20.8	15.9
Anderson - Eastside Elem	180950011	6/11/2025	20.1	15.4
Indianapolis - Washington Park	180970078	6/11/2025	25.0	18.1
Indianapolis - W. 18th St.	180970081	6/11/2025	32.5	20.9
Indianapolis- I-70 E	180970087	6/11/2025	23.0	20.5
Bloomington - Binford	181050003	6/11/2025	19.6	12.8
Ogden Dunes	181270024	6/11/2025	17.3	15.3
South Bend - Shields Dr.	181410015	6/11/2025	19.6	16.9
Dale-N Wallace St	181470011	6/11/2025	18.4	13.0
Evansville - Buena Vista	181630021	6/11/2025	22.7	16.4
Terre Haute - Lafayette Ave	181670018	6/11/2025	24.0	18.8
Larwill	181830003	6/11/2025	18.2	15.0
Columbus - Rocky Ford Drive	180050008	6/12/2025	15.9	13.4
Jeffersonville - Bates-Bowyer Ave	180190010	6/12/2025	19.4	16.6
Muncie - Central HS	180350006	6/12/2025	22.4	13.2
Jasper - Post Office	180372001	6/12/2025	17.6	15.4
Elkhart - Prairie St	180390008	6/12/2025	24.7	16.3
New Albany	180430008	6/12/2025	18.2	13.7
Plummer	180550001	6/12/2025	18.9	13.2
Fishers	180570007	6/12/2025	25.4	13.8
Carmel - Hazel Dell Parkway	180570008	6/12/2025	26.5	16.2
Mechanicsburg	180650003	6/12/2025	24.9	14.8
East Chicago - Franklin/Washington Sch	180890006	6/12/2025	25.6	16.1
Gary - Madison St	180890031	6/12/2025	30.6	16.0
East Chicago - Marina	180890034	6/12/2025	23.5	18.0
Hammond-167th St	180890036	6/12/2025	30.1	16.2
Michigan City - Marsh Elem. Sch.	180910011	6/12/2025	22.5	15.9
Anderson - Eastside Elem	180950011	6/12/2025	25.5	15.4

Indianapolis - Washington Park	180970078	6/12/2025	29.9	18.1
Indianapolis - W. 18th St.	180970081	6/12/2025	26.4	20.9
Indianapolis- I-70 E	180970087	6/12/2025	27.5	20.5
Bloomington - Binford	181050003	6/12/2025	17.2	12.8
Ogden Dunes	181270024	6/12/2025	22.8	15.3
South Bend - Shields Dr.	181410015	6/12/2025	24.3	16.9
Dale-N Wallace St	181470011	6/12/2025	21.6	13.0
Evansville - Buena Vista	181630021	6/12/2025	22.4	16.4
Terre Haute - Lafayette Ave	181670018	6/12/2025	31.3	18.8
Larwill	181830003	6/12/2025	24.7	15.0
Hammond-167th St	180890036	6/14/2025	17.4	16.2
Gary - Madison St	180890031	6/15/2025	21.7	16.0
Fishers	180570007	6/22/2025	15.9	13.8
Bloomington - Binford	181050003	6/22/2025	15.4	12.8
Dale-N Wallace St	181470011	6/22/2025	14.2	13.0
Columbus - Rocky Ford Drive	180050008	6/23/2025	16.5	13.4
Muncie - Central HS	180350006	6/23/2025	15.8	13.2
Fishers	180570007	6/23/2025	18.1	13.8
Mechanicsburg	180650003	6/23/2025	15.5	14.8
Bloomington - Binford	181050003	6/23/2025	16.9	12.8
Dale-N Wallace St	181470011	6/23/2025	14.2	13.0
Lafayette - Greenbush St	181570008	6/23/2025	17.3	15.1
Columbus - Rocky Ford Drive	180050008	6/24/2025	16.0	13.4
Muncie - Central HS	180350006	6/24/2025	14.7	13.2
Fishers	180570007	6/24/2025	17.6	13.8
Carmel - Hazel Dell Parkway	180570008	6/24/2025	16.9	16.2
Bloomington - Binford	181050003	6/24/2025	13.4	12.8
Dale-N Wallace St	181470011	6/25/2025	15.1	13.0
Columbus - Rocky Ford Drive	180050008	6/26/2025	14.8	13.4
Bloomington - Binford	181050003	6/26/2025	13.2	12.8
Dale-N Wallace St	181470011	6/26/2025	15.6	13.0
Columbus - Rocky Ford Drive	180050008	6/27/2025	13.5	13.4
New Albany	180430008	7/3/2025	14.5	13.7
Ogden Dunes	181270024	7/3/2025	18.8	15.3
Columbus - Rocky Ford Drive	180050008	7/4/2025	26.9	13.4
Jeffersonville - Bates-Bowyer Ave	180190010	7/4/2025	25.3	16.6
Muncie - Central HS	180350006	7/4/2025	29.0	13.2
Elkhart - Prairie St	180390008	7/4/2025	27.4	16.3
New Albany	180430008	7/4/2025	25.9	13.7

Fishers	180570007	7/4/2025	38.3	13.8
East Chicago - Marina	180890034	7/4/2025	19.0	18.0
Hammond-167th St	180890036	7/4/2025	26.1	16.2
Michigan City - Marsh Elem. Sch.	180910011	7/4/2025	22.5	15.9
Indianapolis - Washington Park	180970078	7/4/2025	45.9	18.1
Indianapolis - W. 18th St.	180970081	7/4/2025	59.9	20.9
Indianapolis- I-70 E	180970087	7/4/2025	34.5	20.5
Bloomington - Binford	181050003	7/4/2025	13.2	12.8
Ogden Dunes	181270024	7/4/2025	28.5	15.3
South Bend - Shields Dr.	181410015	7/4/2025	30.0	16.9
Dale-N Wallace St	181470011	7/4/2025	15.2	13.0
Lafayette - Greenbush St	181570008	7/4/2025	19.3	15.1
Evansville - Buena Vista	181630021	7/4/2025	24.7	16.4
Evansville - Oak Hill	181630024	7/4/2025	28.4	21.1
Terre Haute - Lafayette Ave	181670018	7/4/2025	38.4	18.8
Fort Wayne - Coliseum	180030015	7/5/2025	26.7	18.0
Columbus - Rocky Ford Drive	180050008	7/5/2025	18.9	13.4
Jeffersonville - Bates-Bowyer Ave	180190010	7/5/2025	27.5	16.6
Muncie - Central HS	180350006	7/5/2025	25.4	13.2
Jasper - Post Office	180372001	7/5/2025	16.4	15.4
New Albany	180430008	7/5/2025	30.4	13.7
Fishers	180570007	7/5/2025	42.6	13.8
Kokomo - E. Vaile Ave	180670004	7/5/2025	15.5	13.9
Anderson - Eastside Elem	180950011	7/5/2025	16.9	15.4
Indianapolis - Washington Park	180970078	7/5/2025	78.7	18.1
Indianapolis - W. 18th St.	180970081	7/5/2025	82.1	20.9
Indianapolis- I-70 E	180970087	7/5/2025	68.1	20.5
Bloomington - Binford	181050003	7/5/2025	14.0	12.8
Ogden Dunes	181270024	7/5/2025	19.5	15.3
Dale-N Wallace St	181470011	7/5/2025	14.9	13.0
Evansville - Buena Vista	181630021	7/5/2025	27.4	16.4
Evansville - Oak Hill	181630024	7/5/2025	23.4	21.1
Terre Haute - Lafayette Ave	181670018	7/5/2025	27.2	18.8
Larwill	181830003	7/5/2025	16.9	15.0
Columbus - Rocky Ford Drive	180050008	7/6/2025	16.2	13.4
New Albany	180430008	7/6/2025	15.2	13.7
Dale-N Wallace St	181470011	7/6/2025	13.0	13.0
Hammond-167th St	180890036	7/7/2025	17.0	16.2
Fort Wayne - Coliseum	180030015	7/8/2025	18.7	18.0

Muncie - Central HS	180350006	7/8/2025	14.1	13.2
Elkhart - Prairie St	180390008	7/8/2025	18.4	16.3
Plummer	180550001	7/8/2025	15.1	13.2
Fishers	180570007	7/8/2025	16.3	13.8
Kokomo - E. Vaile Ave	180670004	7/8/2025	19.9	13.9
East Chicago - Marina	180890034	7/8/2025	20.0	18.0
Hammond-167th St	180890036	7/8/2025	21.2	16.2
Michigan City - Marsh Elem. Sch.	180910011	7/8/2025	20.8	15.9
Anderson - Eastside Elem	180950011	7/8/2025	18.1	15.4
Indianapolis - Washington Park	180970078	7/8/2025	24.1	18.1
Indianapolis - W. 18th St.	180970081	7/8/2025	27.7	20.9
Indianapolis- I-70 E	180970087	7/8/2025	24.4	20.5
Bloomington - Binford	181050003	7/8/2025	17.4	12.8
Ogden Dunes	181270024	7/8/2025	19.5	15.3
South Bend - Shields Dr.	181410015	7/8/2025	20.4	16.9
Dale-N Wallace St	181470011	7/8/2025	15.5	13.0
Lafayette - Greenbush St	181570008	7/8/2025	17.9	15.1
Larwill	181830003	7/8/2025	27.0	15.0
Fort Wayne - Coliseum	180030015	7/9/2025	23.8	18.0
Fishers	180570007	7/9/2025	14.9	13.8
Elkhart - Prairie St	180390008	7/13/2025	17.8	16.3
East Chicago - Marina	180890034	7/13/2025	18.6	18.0
Hammond-167th St	180890036	7/13/2025	20.8	16.2
Michigan City - Marsh Elem. Sch.	180910011	7/13/2025	18.8	15.9
Ogden Dunes	181270024	7/13/2025	17.3	15.3
Larwill	181830003	7/13/2025	17.9	15.0
Fort Wayne - Coliseum	180030015	7/14/2025	29.4	18.0
Muncie - Central HS	180350006	7/14/2025	19.5	13.2
Elkhart - Prairie St	180390008	7/14/2025	36.4	16.3
Fishers	180570007	7/14/2025	14.3	13.8
East Chicago - Marina	180890034	7/14/2025	36.0	18.0
Hammond-167th St	180890036	7/14/2025	38.2	16.2
Michigan City - Marsh Elem. Sch.	180910011	7/14/2025	34.9	15.9
Ogden Dunes	181270024	7/14/2025	34.0	15.3
South Bend - Shields Dr.	181410015	7/14/2025	32.3	16.9
Larwill	181830003	7/14/2025	33.2	15.0
Fort Wayne - Coliseum	180030015	7/15/2025	29.1	18.0
Muncie - Central HS	180350006	7/15/2025	13.9	13.2
Elkhart - Prairie St	180390008	7/15/2025	25.6	16.3

East Chicago - Franklin/Washington Sch	180890006	7/15/2025	17.9	16.1
Gary - Madison St	180890031	7/15/2025	19.1	16.0
East Chicago - Marina	180890034	7/15/2025	18.1	18.0
Hammond-167th St	180890036	7/15/2025	19.2	16.2
Michigan City - Marsh Elem. Sch.	180910011	7/15/2025	18.9	15.9
Ogden Dunes	181270024	7/15/2025	21.5	15.3
South Bend - Shields Dr.	181410015	7/15/2025	21.6	16.9
Larwill	181830003	7/15/2025	21.4	15.0
Muncie - Central HS	180350006	7/21/2025	14.1	13.2
Hammond-167th St	180890036	7/21/2025	20.5	16.2
Ogden Dunes	181270024	7/21/2025	19.5	15.3
Columbus - Rocky Ford Drive	180050008	7/22/2025	21.7	13.4
Muncie - Central HS	180350006	7/22/2025	20.7	13.2
Elkhart - Prairie St	180390008	7/22/2025	17.9	16.3
Plummer	180550001	7/22/2025	14.1	13.2
Fishers	180570007	7/22/2025	21.3	13.8
Mechanicsburg	180650003	7/22/2025	22.4	14.8
Kokomo - E. Vaile Ave	180670004	7/22/2025	16.2	13.9
East Chicago - Marina	180890034	7/22/2025	21.8	18.0
Hammond-167th St	180890036	7/22/2025	23.5	16.2
Michigan City - Marsh Elem. Sch.	180910011	7/22/2025	21.2	15.9
Anderson - Eastside Elem	180950011	7/22/2025	20.6	15.4
Indianapolis - Washington Park	180970078	7/22/2025	26.9	18.1
Indianapolis - W. 18th St.	180970081	7/22/2025	28.7	20.9
Indianapolis- I-70 E	180970087	7/22/2025	27.4	20.5
Bloomington - Binford	181050003	7/22/2025	19.8	12.8
Ogden Dunes	181270024	7/22/2025	19.7	15.3
South Bend - Shields Dr.	181410015	7/22/2025	17.6	16.9
Lafayette - Greenbush St	181570008	7/22/2025	18.7	15.1
Larwill	181830003	7/22/2025	17.9	15.0
Columbus - Rocky Ford Drive	180050008	7/24/2025	15.0	13.4
Muncie - Central HS	180350006	7/24/2025	14.6	13.2
Fishers	180570007	7/24/2025	14.2	13.8
Bloomington - Binford	181050003	7/24/2025	14.2	12.8
Fort Wayne - Coliseum	180030015	7/31/2025	31.2	18.0
Muncie - Central HS	180350006	7/31/2025	14.5	13.2
Elkhart - Prairie St	180390008	7/31/2025	48.0	16.3
Kokomo - E. Vaile Ave	180670004	7/31/2025	15.2	13.9

East Chicago - Marina	180890034	7/31/2025	60.6	18.0
Hammond-167th St	180890036	7/31/2025	61.5	16.2
Michigan City - Marsh Elem. Sch.	180910011	7/31/2025	58.0	15.9
Ogden Dunes	181270024	7/31/2025	47.0	15.3
South Bend - Shields Dr.	181410015	7/31/2025	46.2	16.9
Lafayette - Greenbush St	181570008	7/31/2025	16.0	15.1
Larwill	181830003	7/31/2025	36.5	15.0
Fort Wayne - Coliseum	180030015	8/1/2025	35.0	18.0
Columbus - Rocky Ford Drive	180050008	8/1/2025	24.1	13.4
Jeffersonville - Bates-Bowyer Ave	180190010	8/1/2025	22.6	16.6
Muncie - Central HS	180350006	8/1/2025	34.5	13.2
Jasper - Post Office	180372001	8/1/2025	23.7	15.4
Elkhart - Prairie St	180390008	8/1/2025	39.3	16.3
New Albany	180430008	8/1/2025	18.6	13.7
Plummer	180550001	8/1/2025	28.2	13.2
Fishers	180570007	8/1/2025	26.3	13.8
Mechanicsburg	180650003	8/1/2025	32.9	14.8
Kokomo - E. Vaile Ave	180670004	8/1/2025	29.7	13.9
East Chicago - Marina	180890034	8/1/2025	44.2	18.0
Hammond-167th St	180890036	8/1/2025	47.8	16.2
Michigan City - Marsh Elem. Sch.	180910011	8/1/2025	44.8	15.9
Anderson - Eastside Elem	180950011	8/1/2025	30.3	15.4
Indianapolis - Washington Park	180970078	8/1/2025	32.2	18.1
Indianapolis - W. 18th St.	180970081	8/1/2025	35.4	20.9
Indianapolis- I-70 E	180970087	8/1/2025	33.2	20.5
Bloomington - Binford	181050003	8/1/2025	26.8	12.8
Ogden Dunes	181270024	8/1/2025	37.6	15.3
South Bend - Shields Dr.	181410015	8/1/2025	40.4	16.9
Dale-N Wallace St	181470011	8/1/2025	24.3	13
Lafayette - Greenbush St	181570008	8/1/2025	32.1	15.1
Evansville - Buena Vista	181630021	8/1/2025	23.5	16.4
Evansville - Oak Hill	181630024	8/1/2025	21.1	21.1
Terre Haute - Lafayette Ave	181670018	8/1/2025	28.8	18.8
Larwill	181830003	8/1/2025	38.3	15
Elkhart - Prairie St	180390008	8/2/2025	26.6	16.3
East Chicago - Franklin/Washington Sch	180890006	8/2/2025	19.4	16.1
Gary - Madison St	180890031	8/2/2025	22.3	16.0
East Chicago - Marina	180890034	8/2/2025	18.0	18.0

Hammond-167th St	180890036	8/2/2025	25.8	16.2
Michigan City - Marsh Elem. Sch.	180910011	8/2/2025	19.7	15.9
Ogden Dunes	181270024	8/2/2025	25.3	15.3
South Bend - Shields Dr.	181410015	8/2/2025	18.7	16.9
Lafayette - Greenbush St	181570008	8/2/2025	15.6	15.1
Elkhart - Prairie St	180390008	8/3/2025	23.5	16.3
East Chicago - Marina	180890034	8/3/2025	27.8	18.0
Hammond-167th St	180890036	8/3/2025	29.0	16.2
Michigan City - Marsh Elem. Sch.	180910011	8/3/2025	28.9	15.9
Ogden Dunes	181270024	8/3/2025	26.4	15.3
South Bend - Shields Dr.	181410015	8/3/2025	19.7	16.9
Fort Wayne - Coliseum	180030015	8/4/2025	21.7	18.0
Elkhart - Prairie St	180390008	8/4/2025	18.2	16.3
Michigan City - Marsh Elem. Sch.	180910011	8/4/2025	15.9	15.9
Larwill	181830003	8/4/2025	18.2	15.0
Fort Wayne - Coliseum	180030015	8/5/2025	33.4	18.0
Elkhart - Prairie St	180390008	8/5/2025	35.8	16.3
East Chicago - Franklin/Washington Sch	180890006	8/5/2025	29.4	16.1
Gary - Madison St	180890031	8/5/2025	31.0	16.0
East Chicago - Marina	180890034	8/5/2025	29.0	18.0
Hammond-167th St	180890036	8/5/2025	32.1	16.2
Michigan City - Marsh Elem. Sch.	180910011	8/5/2025	28.1	15.9
Ogden Dunes	181270024	8/5/2025	32.3	15.3
South Bend - Shields Dr.	181410015	8/5/2025	29.1	16.9
Larwill	181830003	8/5/2025	33.7	15.0
Elkhart - Prairie St	180390008	8/6/2025	19.3	16.3
East Chicago - Marina	180890034	8/6/2025	23.3	18.0
Hammond-167th St	180890036	8/6/2025	28.9	16.2
Michigan City - Marsh Elem. Sch.	180910011	8/6/2025	23.5	15.9
Ogden Dunes	181270024	8/6/2025	24.1	15.3
South Bend - Shields Dr.	181410015	8/6/2025	19.3	16.9
Dale-N Wallace St	181470011	9/14/2025	13.5	13.0
Jeffersonville - Bates-Bowyer Ave	180190010	9/18/2025	18.5	16.6
Muncie - Central HS	180350006	9/18/2025	13.5	13.2
Indianapolis - Washington Park	180970078	9/18/2025	22.5	18.1
Indianapolis - W. 18th St.	180970081	9/18/2025	24.7	20.9
Indianapolis- I-70 E	180970087	9/18/2025	22.8	20.5
Indianapolis - Washington Park	180970078	9/19/2025	20.5	18.1

Indianapolis - Washington Park	180970078	9/20/2025	19.1	18.1
Indianapolis - W. 18th St.	180970081	9/20/2025	22.8	20.9
Indianapolis- I-70 E	180970087	9/20/2025	20.8	20.5
Dale-N Wallace St	181470011	9/20/2025	13.2	13.0
Muncie - Central HS	180350006	9/21/2025	14.0	13.2
Indianapolis - W. 18th St.	180970081	10/3/2025	22.3	20.9
Elkhart - Prairie St	180390008	11/14/2025	83.8	16.3