


September Monitoring Update

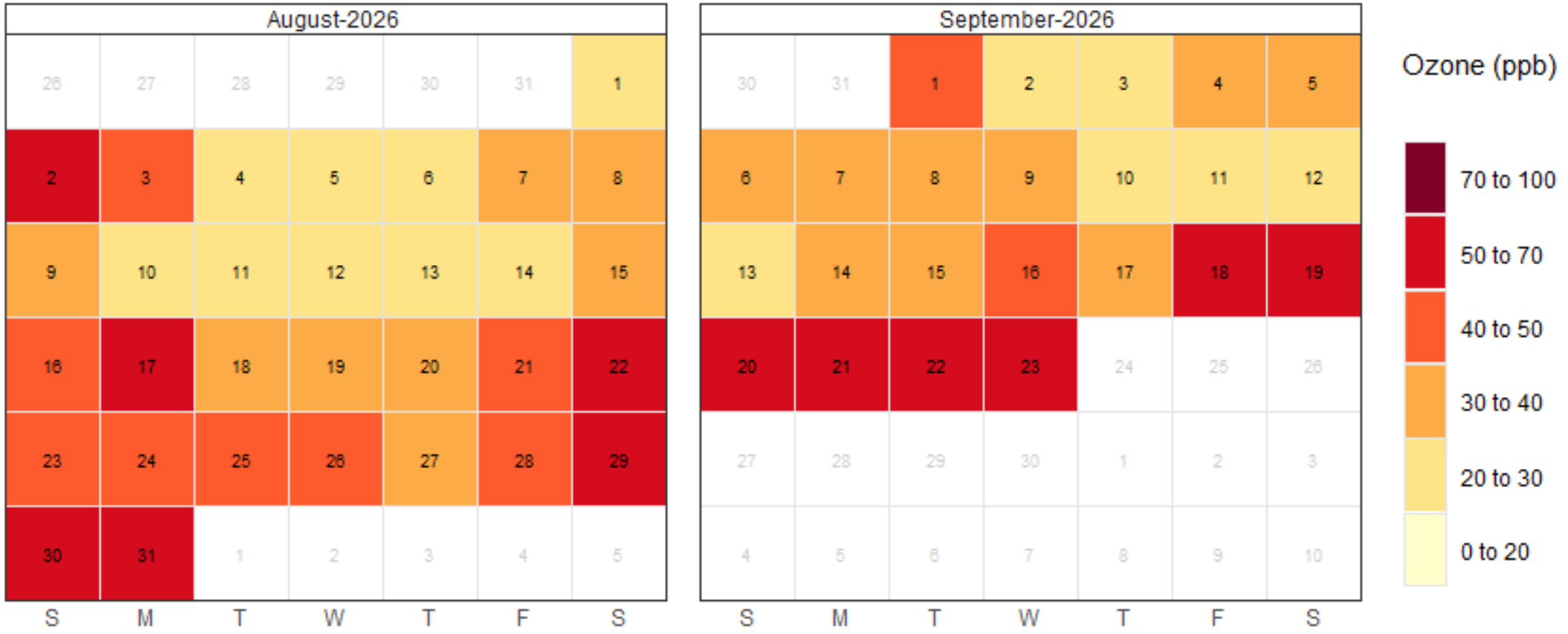



Ebrahim Eslami, PhD
RAQPAC
September 24, 2026

Regional Collaboration • Transportation Planning • Multimodal Mobility

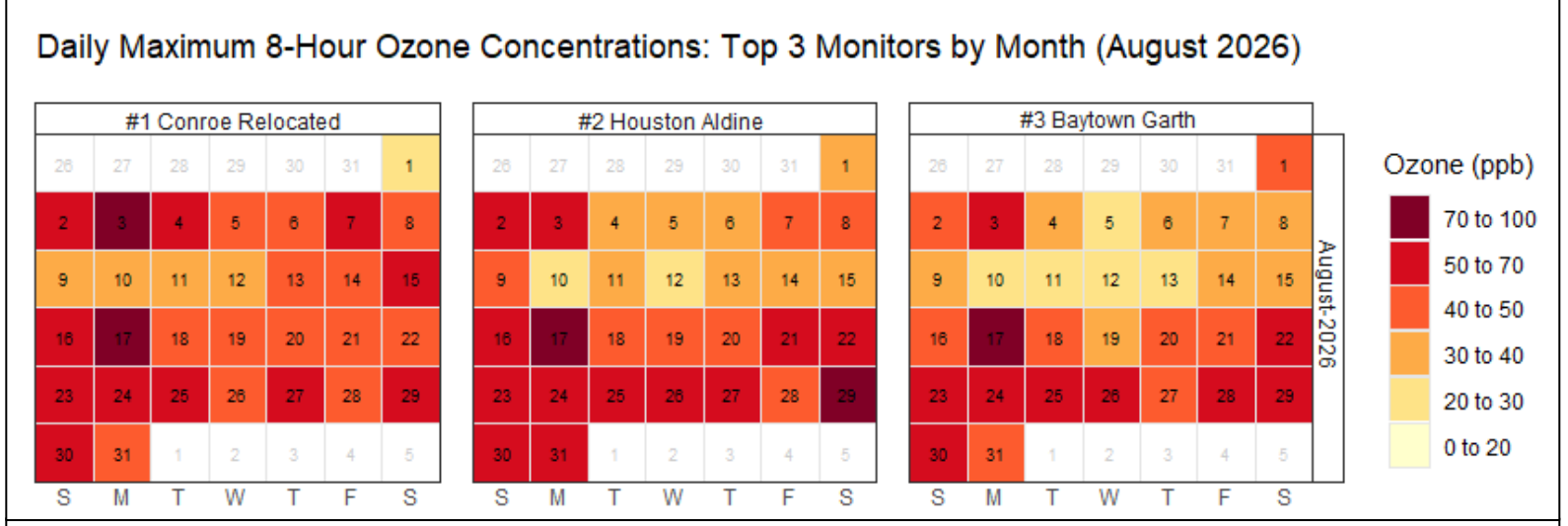
Houston-Galveston Area Council

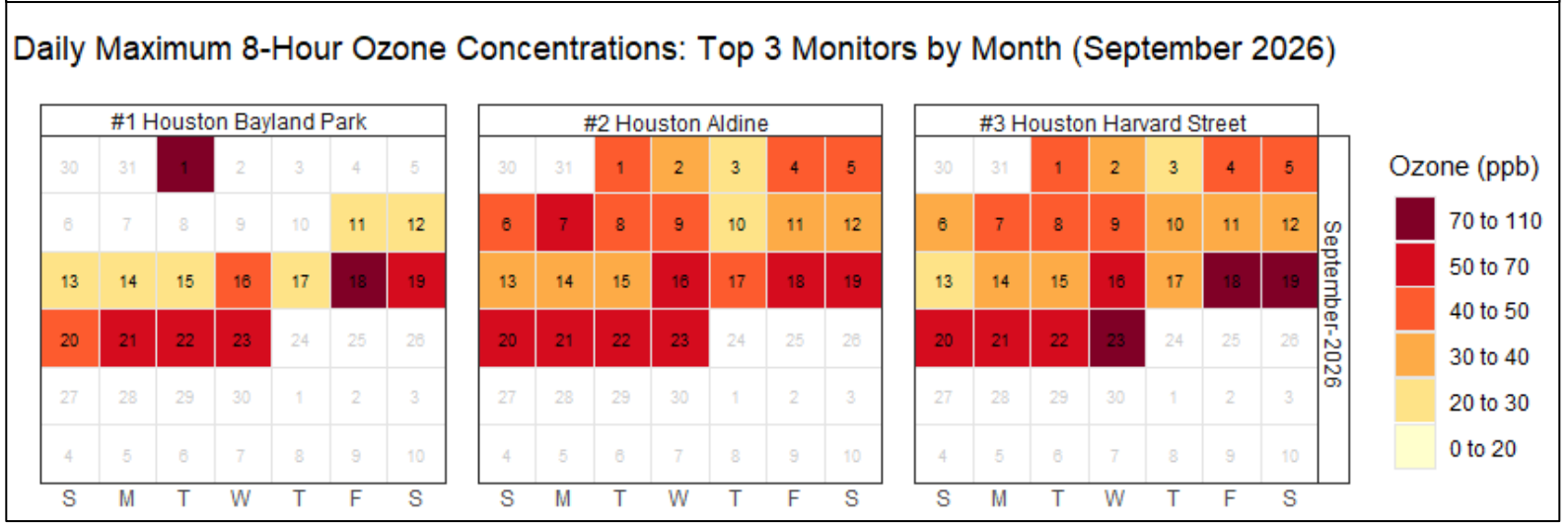
Mean Daily Maximum 8-Hour Ozone Concentration (All Monitors)



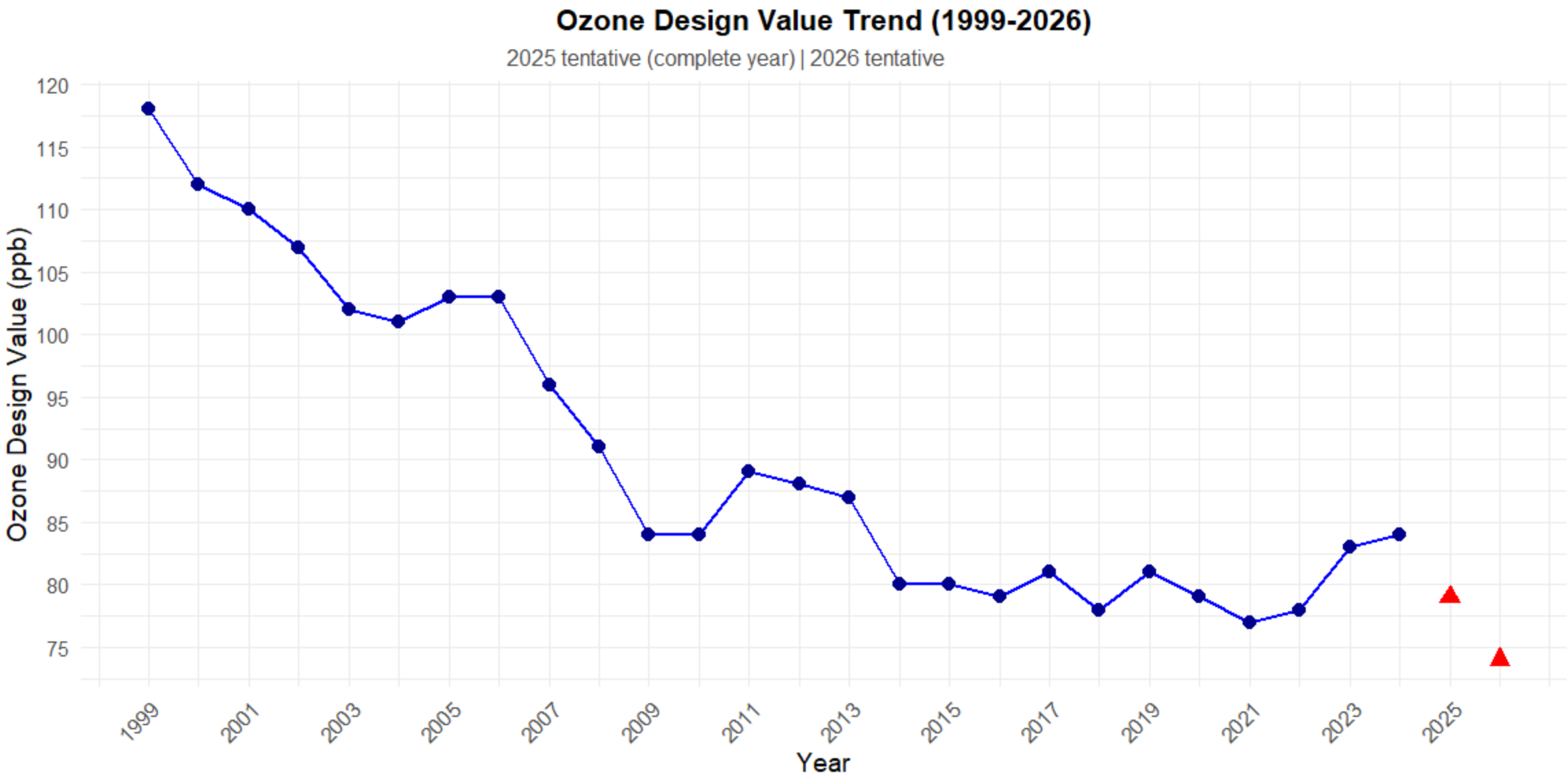
- August Exceedance Days: 6
- September Exceedance Days: 6*
- 2026 Exceedance Days 18*
- 2025 Exceedance Days: 44

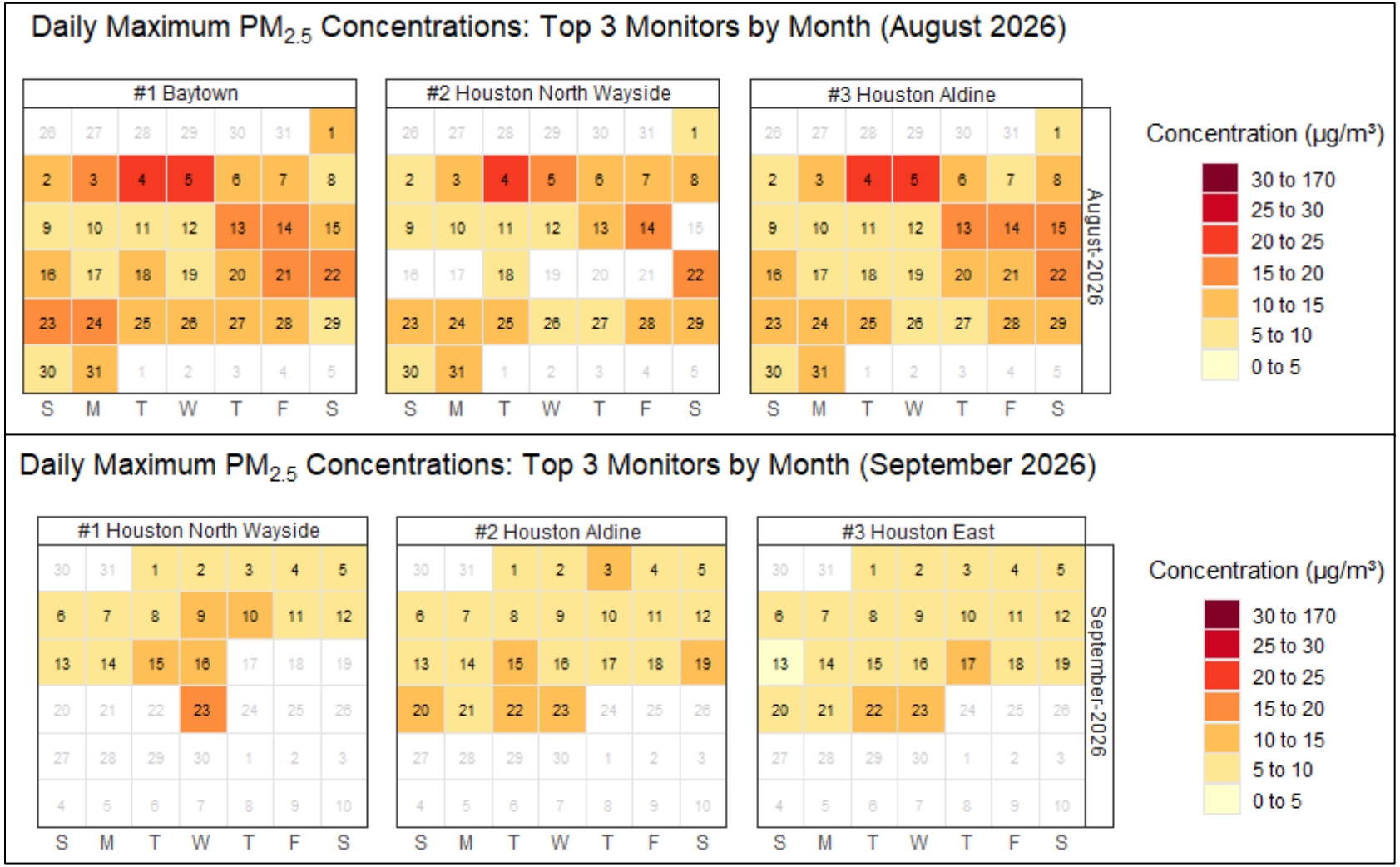
* As of September 23



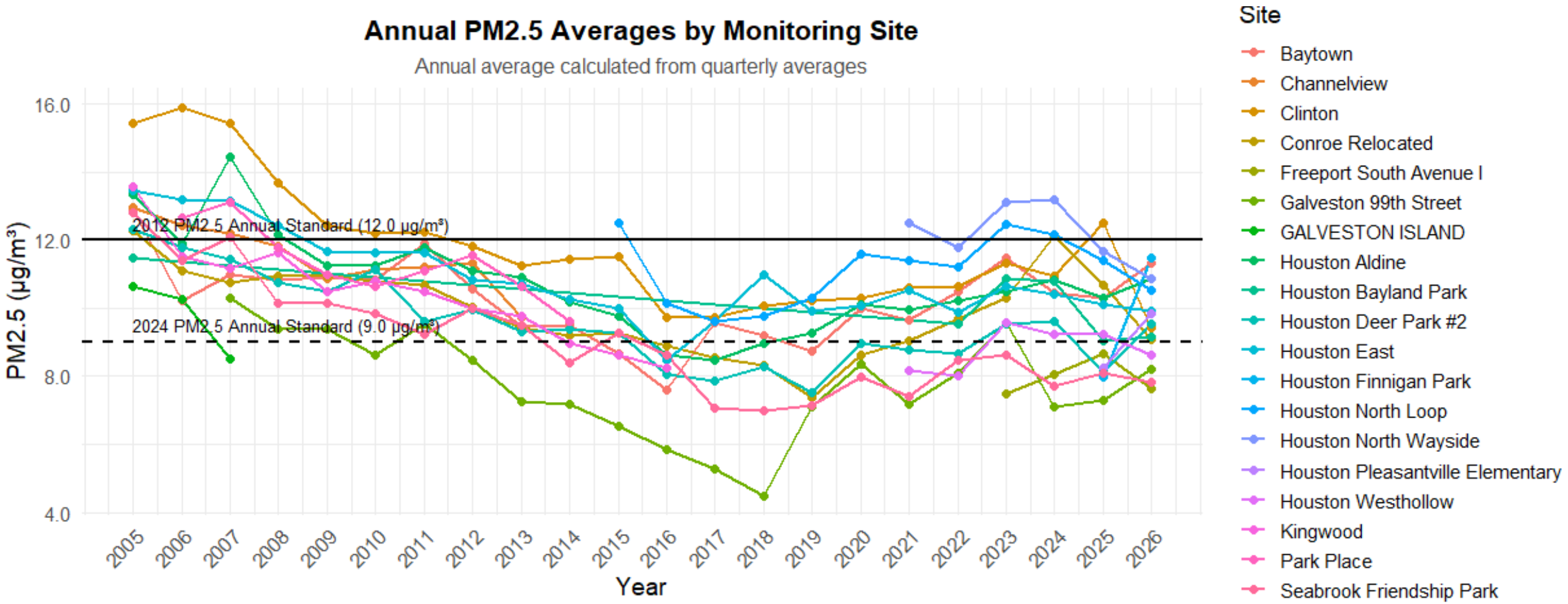


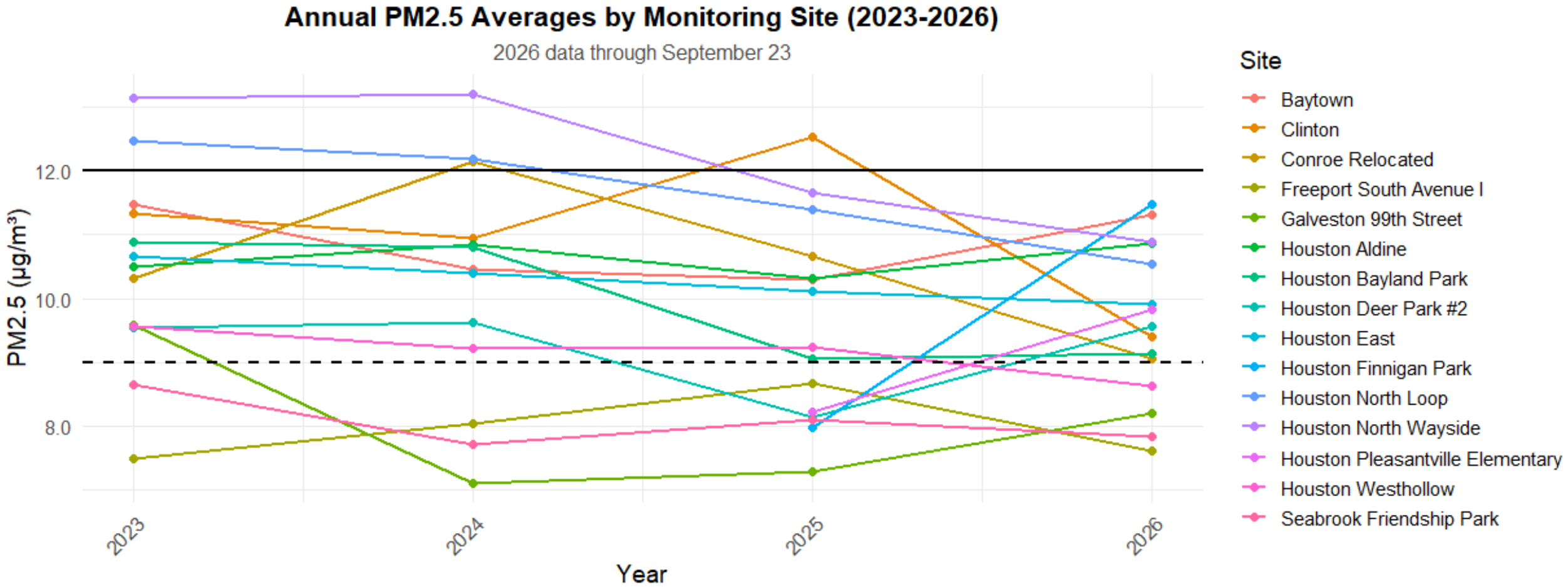
Monitor	Average MDA8 Ozone (August)	Average MDA8 Ozone (September)
Houston Aldine	49.7	46.1
Top 3 sites	48.2	47.0


Ozone Design Value Trend (1999-2026)
2025 tentative (complete year) | 2026 tentative
Ozone Design Value (ppb)
120
115
110
105
100
95
90
85
80
75
1999
2001
2003
2005
2007
2009
2011
2013
2015
2017
2019
2021
2023
2025
Year



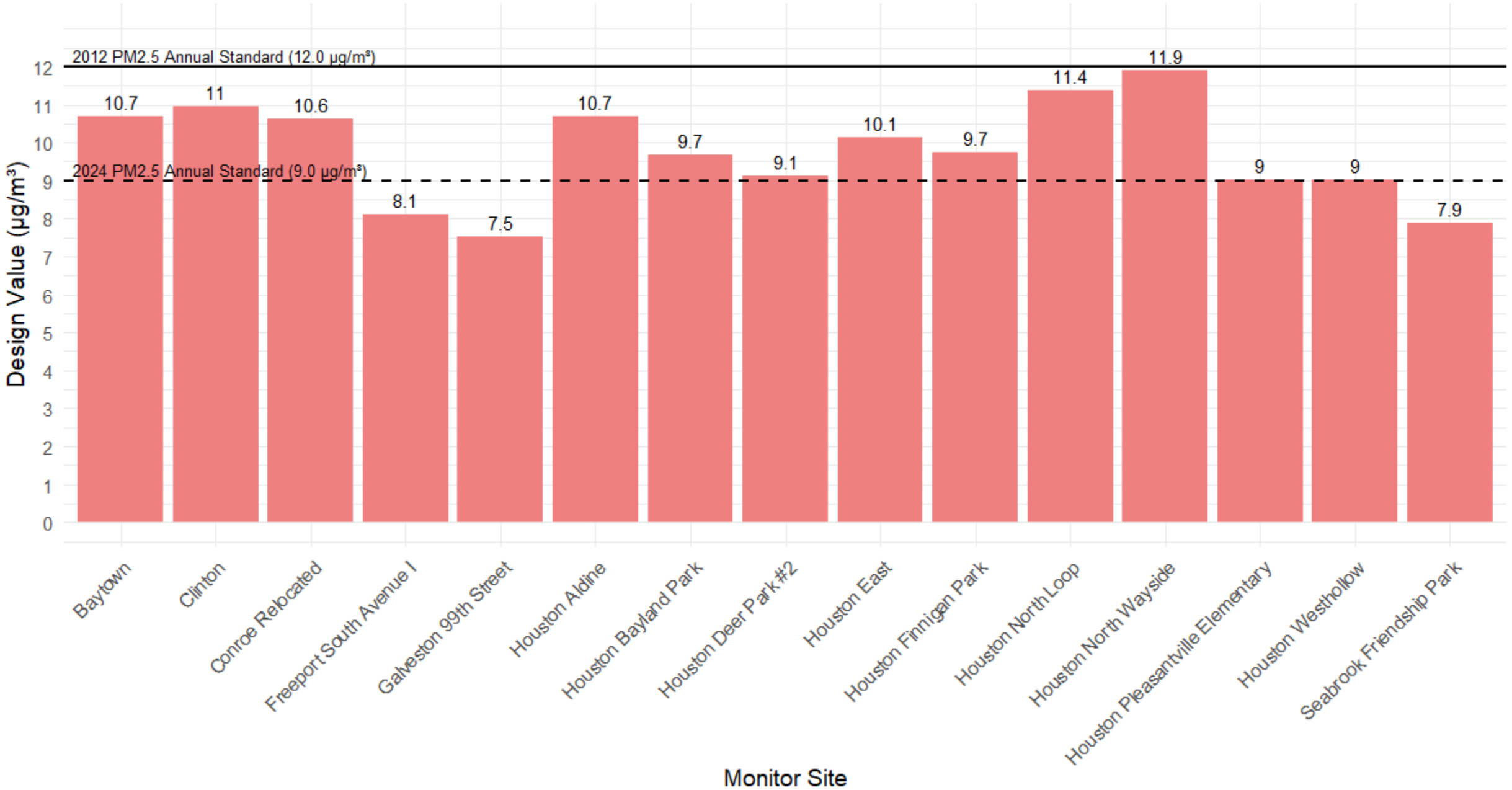
Monitor	Average max PM2.5 (August)	Average max PM2.5 (September)
Top 3	12.0	9.0
Houston Aldine	11.8	9.2
Houston North Wayside	11.8	9.4

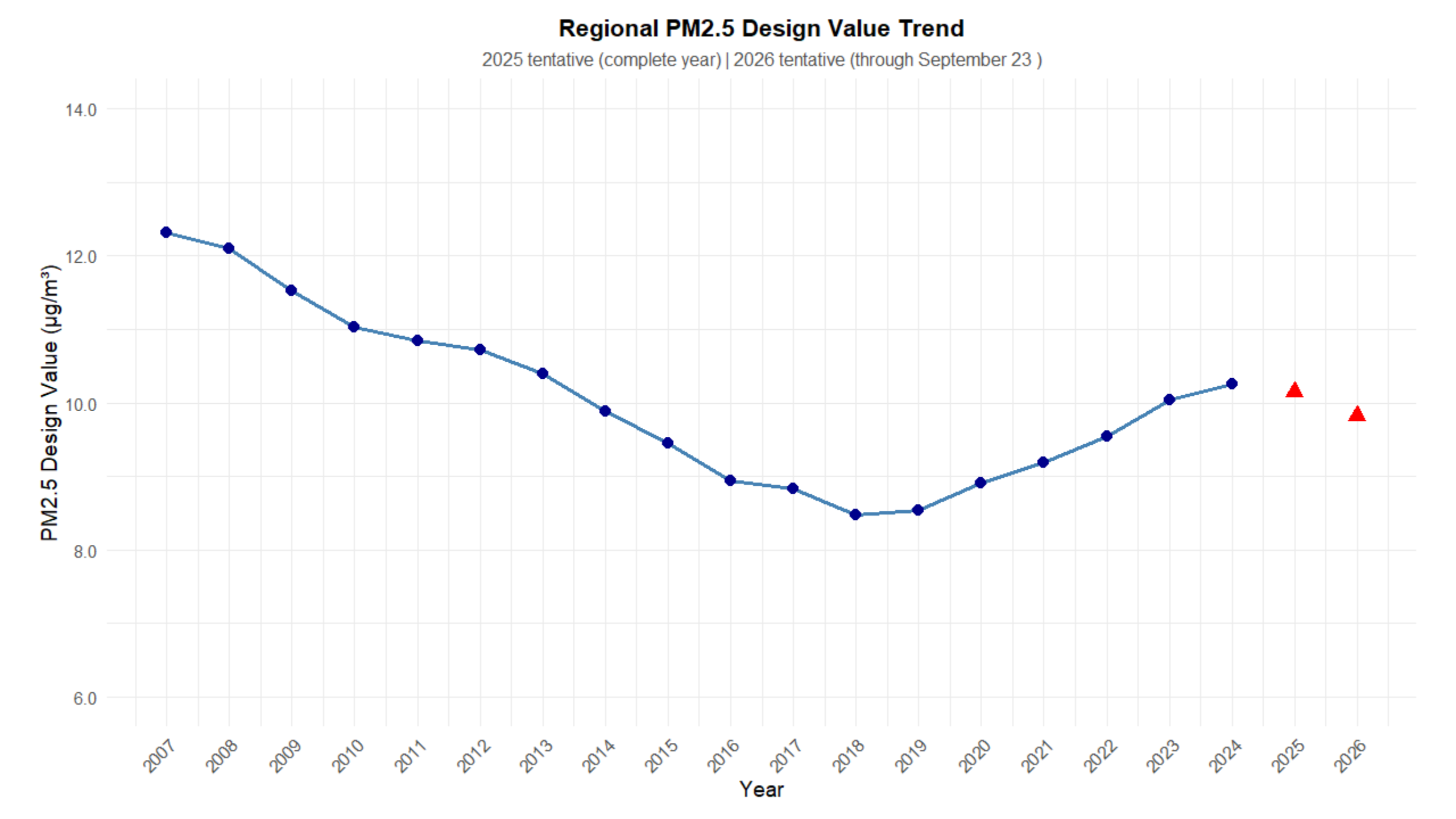

Annual PM2.5 Averages by Monitoring Site
Annual average calculated from quarterly averages
PM2.5 (µg/m³)
16.0
12.0
8.0
4.0
2012 PM2.5 Annual Standard (12.0 µg/m³)
2024 PM2.5 Annual Standard (9.0 µg/m³)
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
Year
Site
Baytown
Channelview
Clinton
Conroe Relocated
Freeport South Avenue I
Galveston 99th Street
GALVESTON ISLAND
Houston Aldine
Houston Bayland Park
Houston Deer Park #2
Houston East
Houston Finnigan Park
Houston North Loop
Houston North Wayside
Houston Pleasantville Elementary
Houston Westhollow
Kingwood
Park Place
Seabrook Friendship Park


Annual PM2.5 Averages by Monitoring Site (2023-2026)
2026 data through September 23
PM2.5 (µg/m³)
12.0
10.0
8.0
2023
2024
2025
2026
Year
Site
Baytown
Clinton
Conroe Relocated
Freeport South Avenue I
Galveston 99th Street
Houston Aldine
Houston Bayland Park
Houston Deer Park #2
Houston East
Houston Finnigan Park
Houston North Loop
Houston North Wayside
Houston Pleasantville Elementary
Houston Westhollow
Seabrook Friendship Park

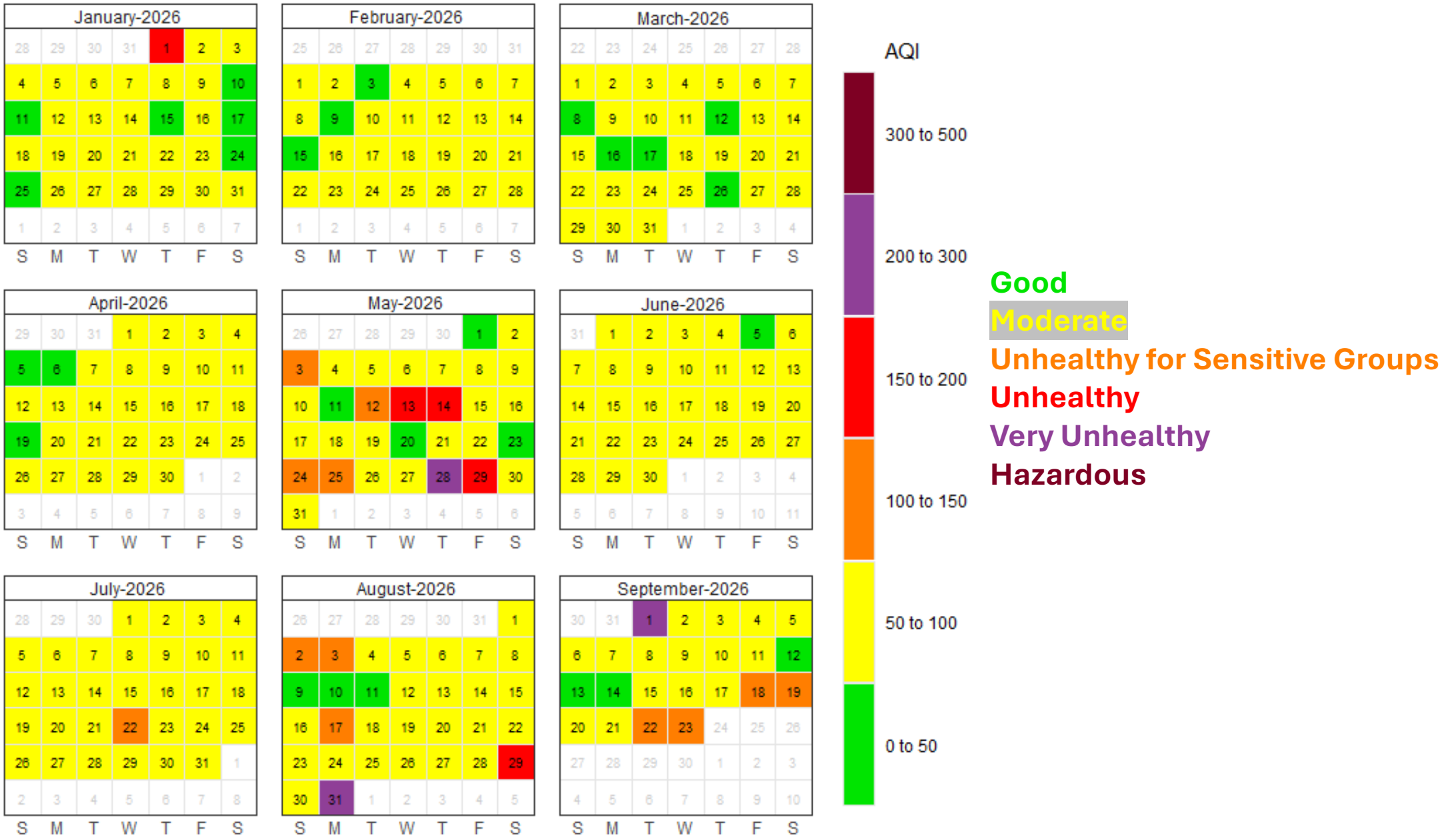
Tentative PM2.5 Design Value by Monitor (2024-2026)

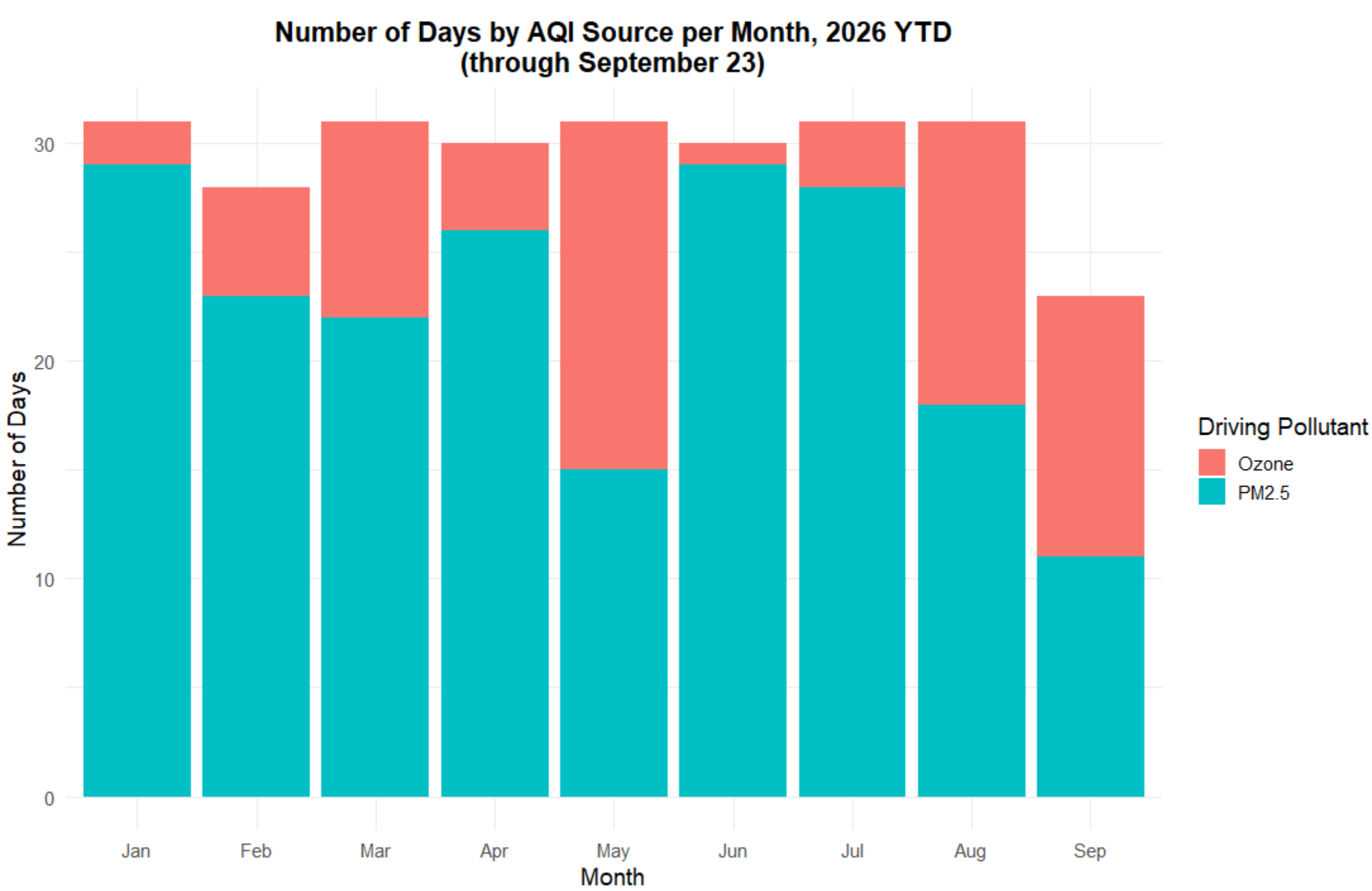
2026 data through September 23




Regional PM2.5 Design Value Trend
2025 tentative (complete year) | 2026 tentative (through September 23)
14.0
12.0
10.0
8.0
6.0
PM2.5 Design Value (µg/m³)
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
Year

Maximum Daily AQI Value (Ozone/$PM_{2.5}$/NO_2), 2026 YTD through September 23




Number of Days by AQI Source per Month, 2026 YTD
(through September 23)
Number of Days
30
20
10
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Month
Driving Pollutant
Ozone
PM2.5

Staff Contact



Ebrahim Eslami, PhD

Principal Planner – Air Quality

ebrahim.eslami@h-gac.com

346-398-6161