

ATL COMMITTEE MEETINGS WILL BEGIN MOMENTARILY



ATL COMMITTEE DAY

8:30 AM

January 5, 2023



TRANSIT PLANNING COMMITTEE

Charlie Sutlive, Chair

January 5, 2023

Regional Transit Planning Committee

Thursday, January 5, 2023

Proposed Agenda

- I. Call to Order – Charlie Sutlive, Chair
- II. Approval of Minutes for November 3, 2022
- III. Approval of Agenda for January 5, 2023
- IV. TAQC Report – Paul Radford
- V. Air Quality Update – Abby Marinelli
- VI. Priority Investment List Project Presentation: MARTA – Shelley Peart, MARTA
- VII. Adjournment



TAQC Report

Paul Radford

January 5, 2023



2022 AIR QUALITY UPDATE

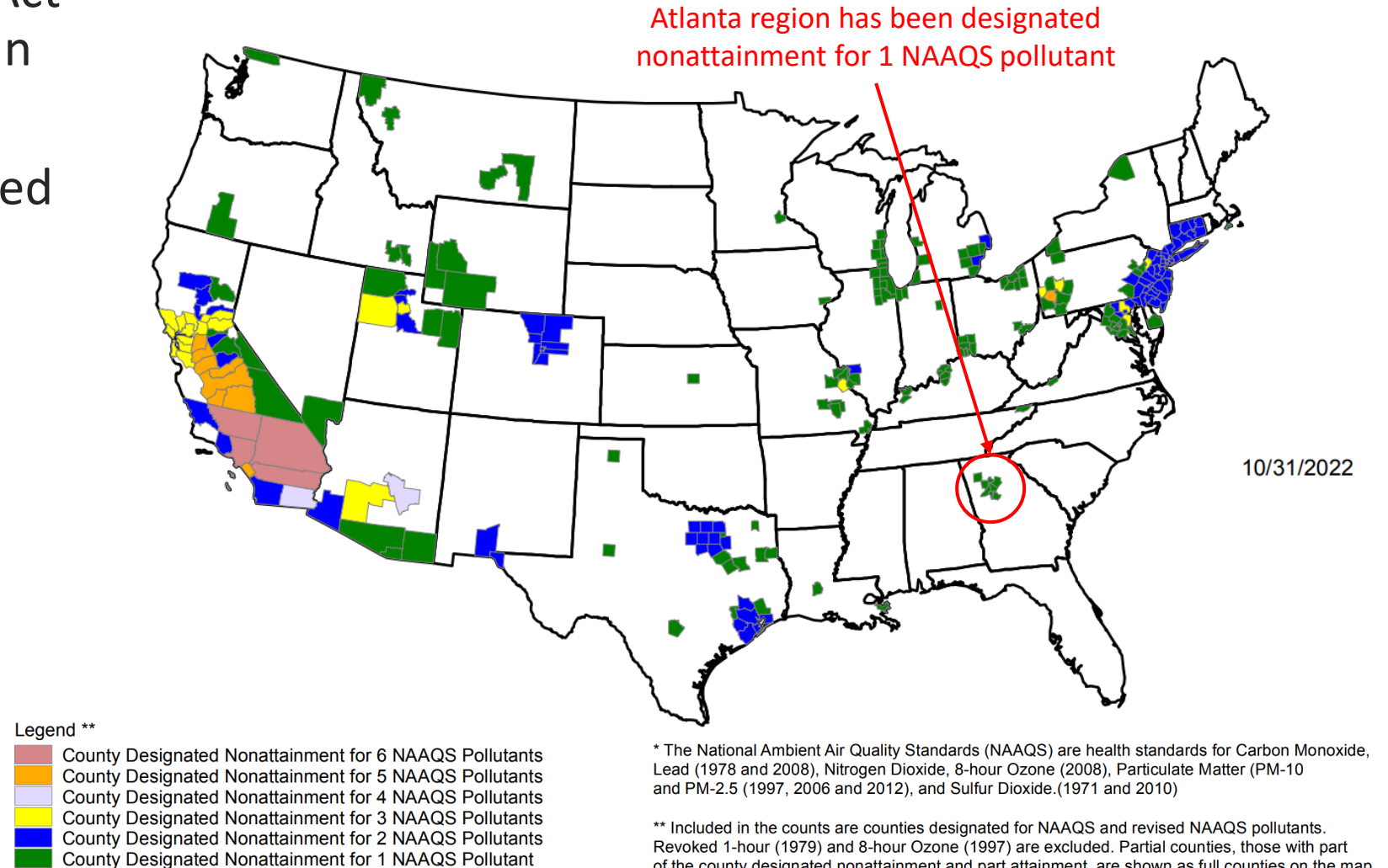
Abby Marinelli
Transit Funding Manager

OVERVIEW

- ▶ National Ambient Air Quality Standards & Pollutants of Concern
- ▶ Ozone in Atlanta
- ▶ Emissions Reduction Targets

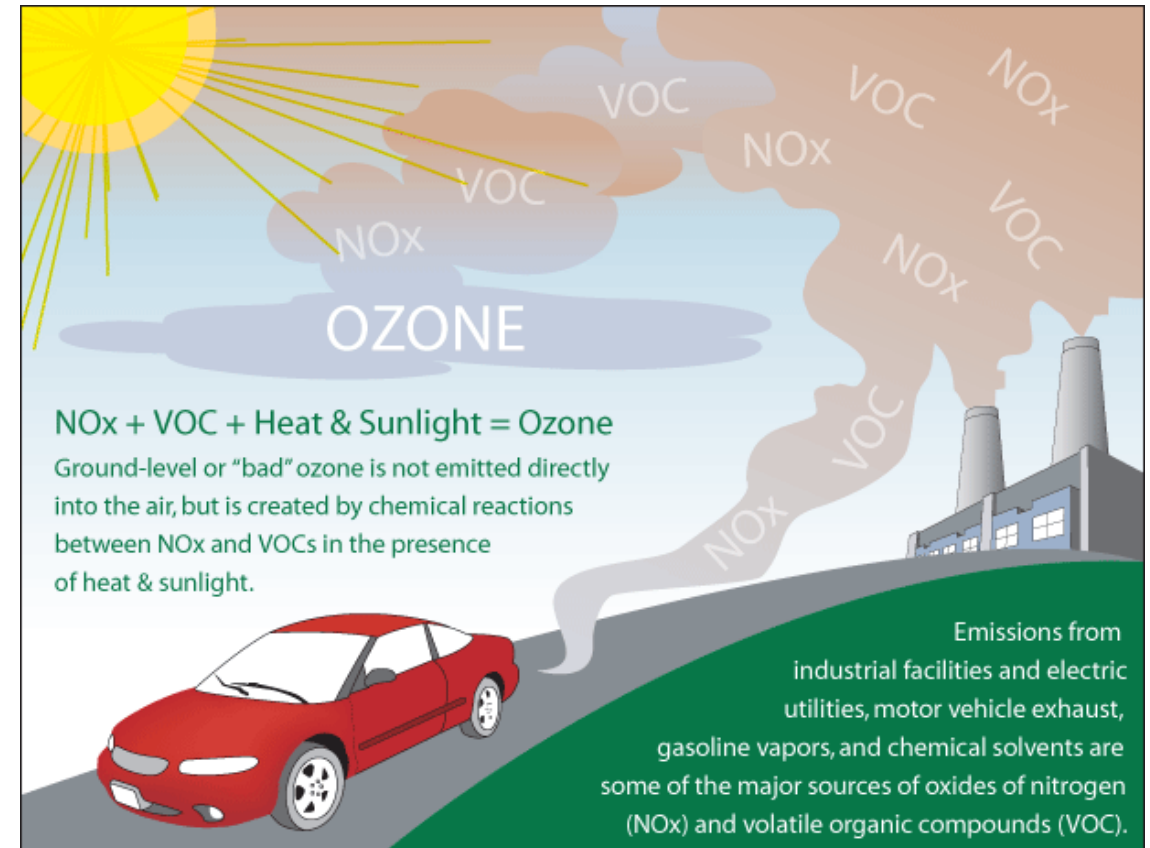
NATIONAL AMBIENT AIR QUALITY STANDARDS

- Required by the Clean Air Act for the protection of human health.
- Set by the EPA and reviewed every 5 years.
- Six criteria pollutants
 - *Ground-level Ozone (O_3)*
 - Particle Pollution ($PM_{2.5}$ and PM_{10})
 - Lead (Pb)
 - Carbon Monoxide (CO)
 - Nitrogen Dioxide (NO_2)
 - Sulfur Dioxide (SO_2)



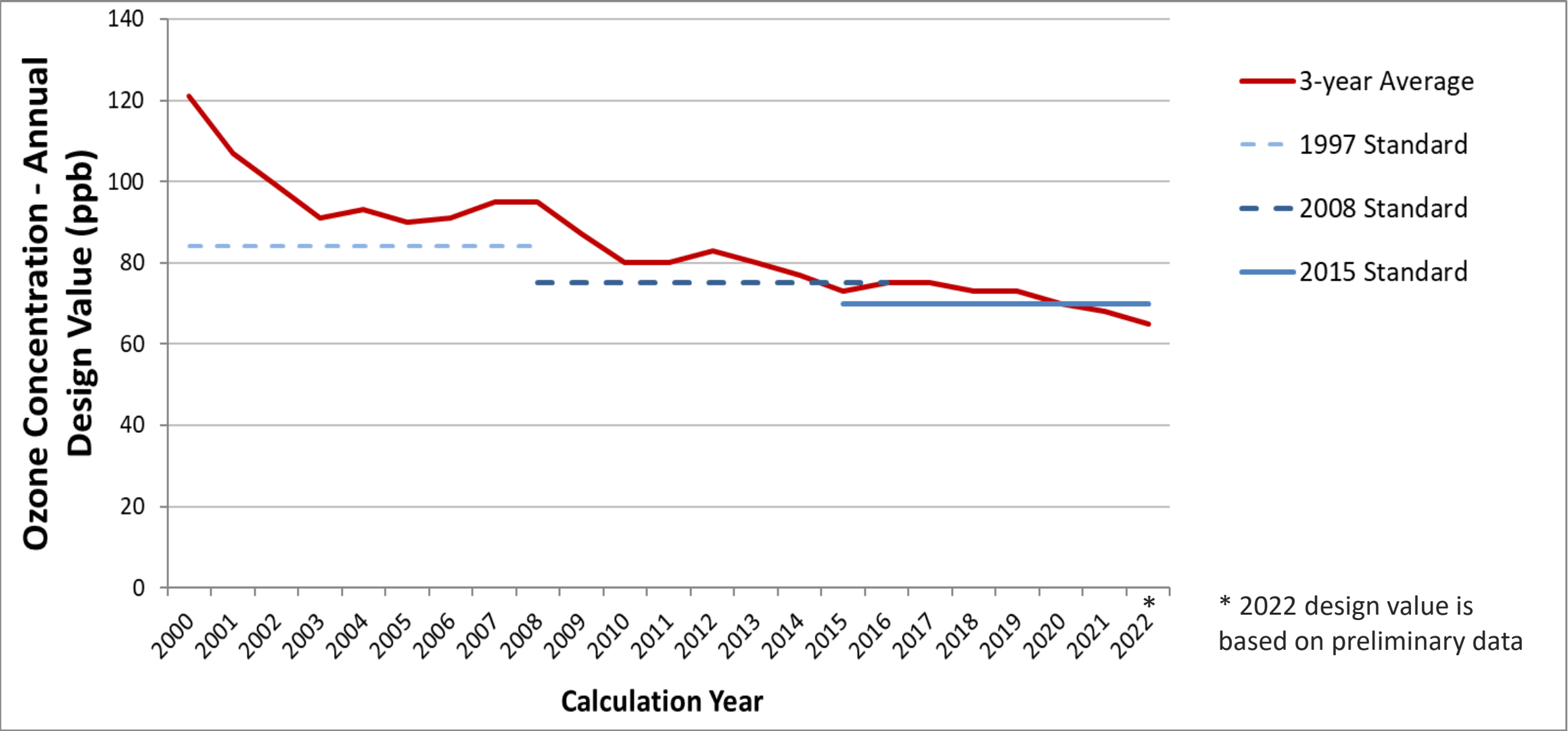
GROUND-LEVEL OZONE

- ▶ Secondary pollutant (not directly emitted)
 - Forms in the presence of heat and light
 - “Ozone Season” is March 1 - October 31
- ▶ Affects human health
 - Asthma
 - Emphysema
 - Wheezing and shortness of breath
 - Inflamed airways
 - Scarred lung tissue

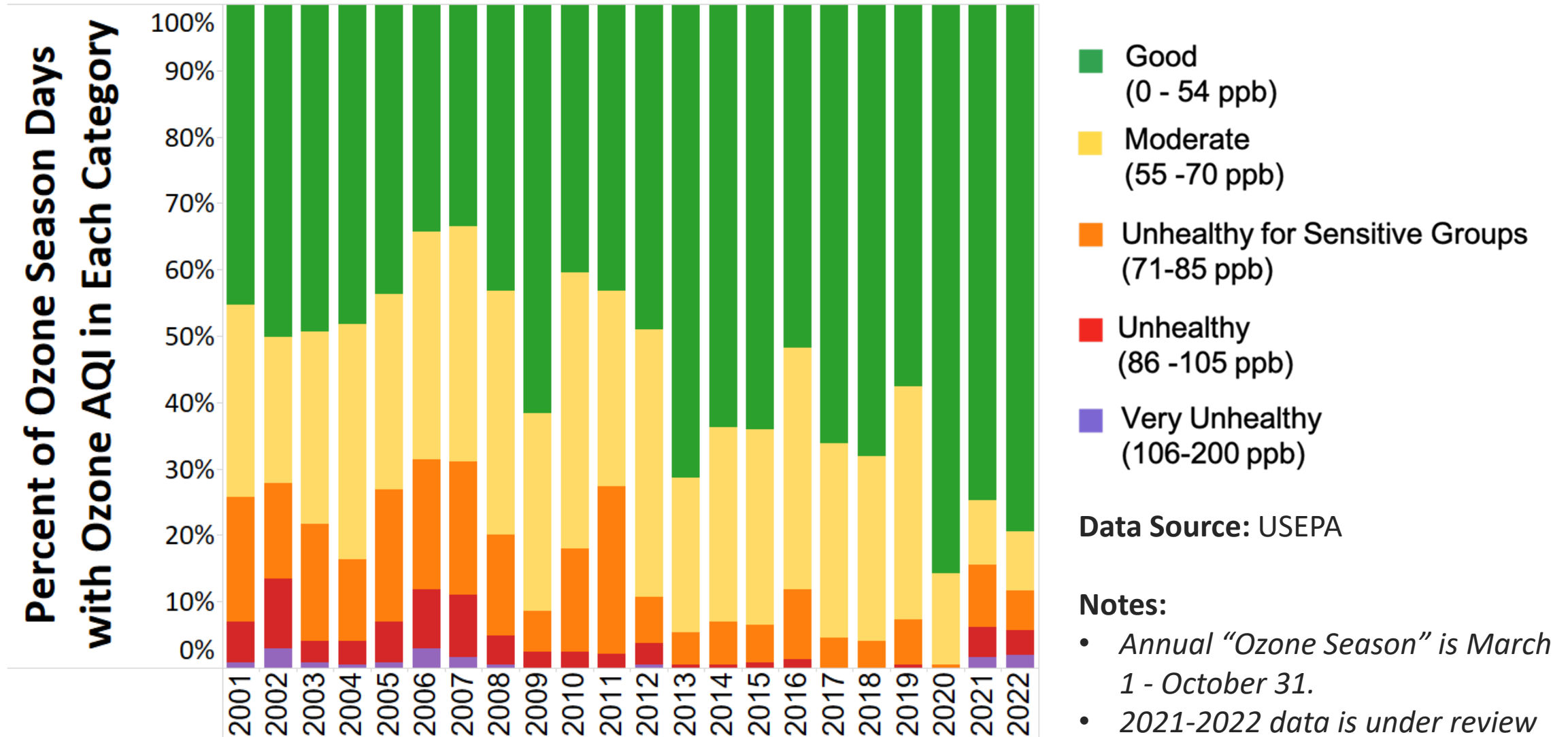


*Image source: U.S. Environmental Protection Agency
<http://www.airnow.gov/>*

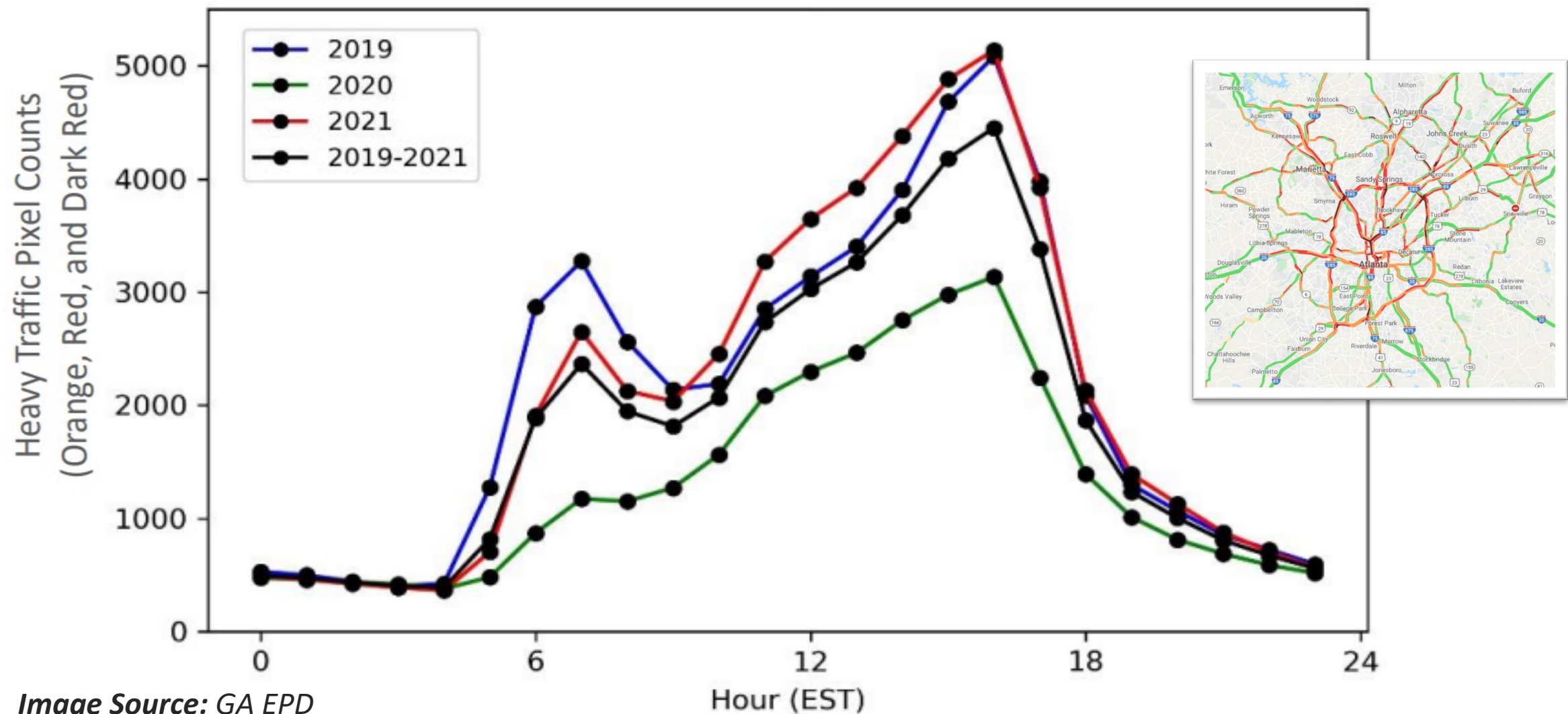
CHASING STRICTER OZONE STANDARDS



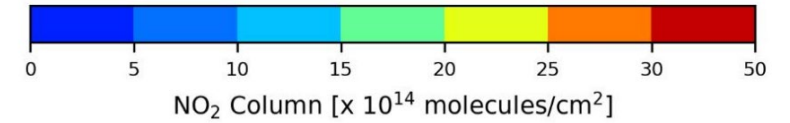
ATLANTA AIR QUALITY HAS IMPROVED OVER TIME



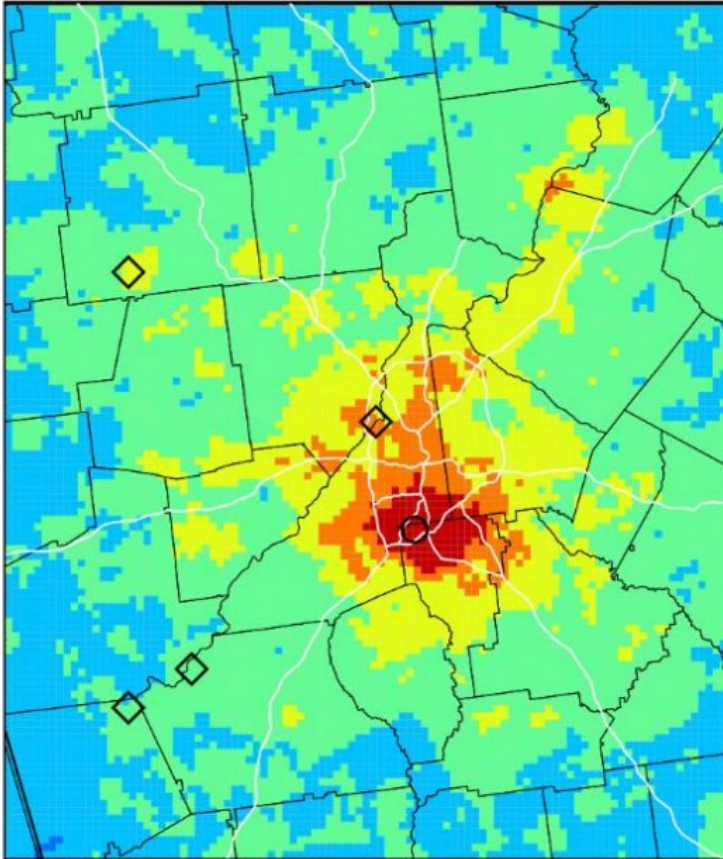
CHANGING TRAFFIC PATTERNS AFFECT EMISSIONS



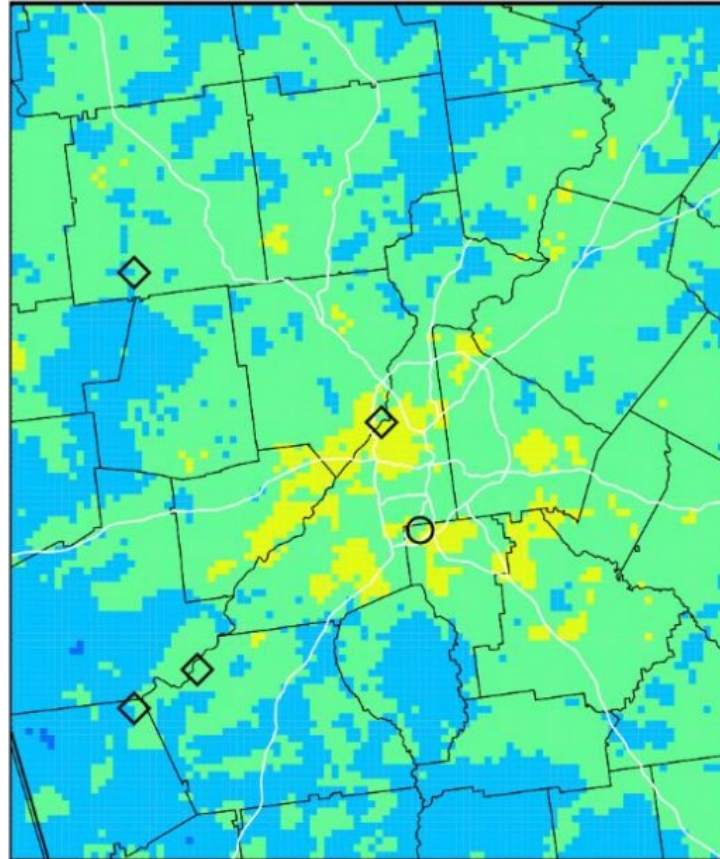
NOX CONCENTRATIONS OVER TIME



June 2019



June 2020



June 2021

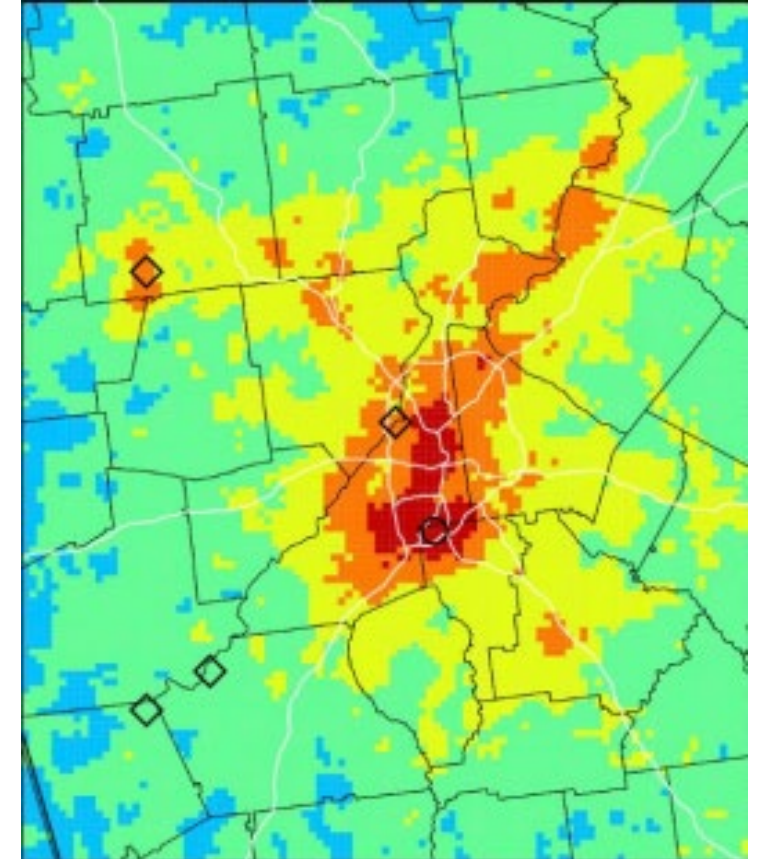


Image Source: GA EPD TROPOMI Average NO₂

GEORGIA MET 2020 EMISSIONS REDUCTION TARGETS

- Targets required by federal Transportation Performance Management (TPM) rules
- 2-year benefits due to CMAQ-funded transportation projects in 2018-2019
- Desired trend: ↑
(the higher value the better)

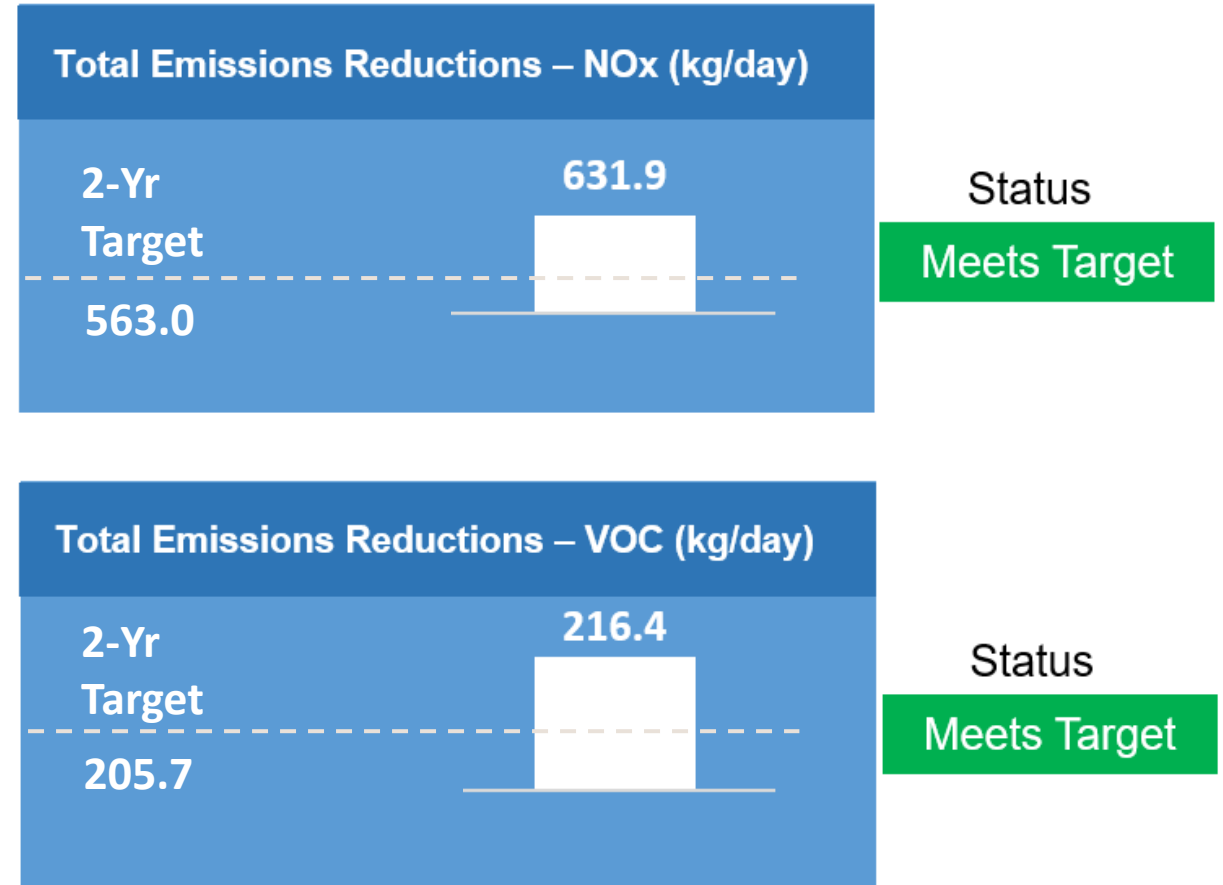


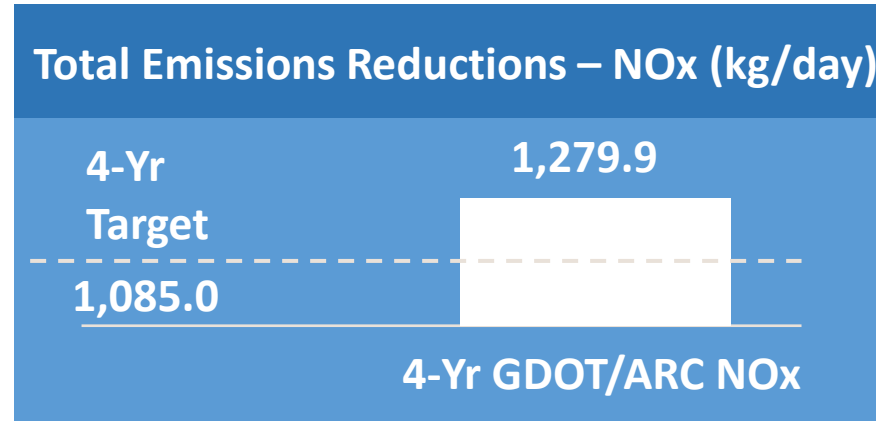
Image Source: GDOT with Modern Mobility Partners

GEORGIA MET 2022 EMISSIONS REDUCTION TARGETS

- Targets required by federal Transportation Performance Management (TPM) rules
- 4-year benefits due to CMAQ-funded transportation projects in 2018-2021:

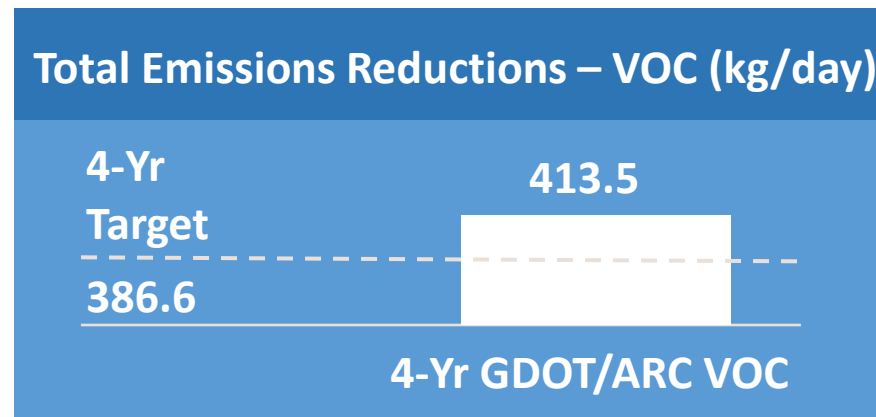
Example Projects

- Statewide TDM
- Northwest Corridor Xpress
- CobbLinc Transit Weekend Service



Status

Meets Target



Status

Meets Target

Image Source: GDOT with Modern Mobility Partners

NEW REGIONAL TARGETS FOR 2024 – 2026 (GDOT)

Performance Measure	2-year Target	4-year Target
Total Emissions Reduction	VOC: 157.200 kg/day; NOx: 510.900 kg/day	VOC: 257.100 kg/day; NOx: 904.200 kg/day
Annual Hours of Peak Hour Excessive Delay (PHED) Per Capita*	23.7 hours	27.2 hours
Percent of Non-Single Occupancy Vehicle (SOV) Travel*	22.7%	22.7%

Source: Georgia GDOT Office of Planning.

Note: GDOT, Atlanta Regional Commission and Cartersville-Bartow Metropolitan Planning Organization are required to establish and report single targets for Annual PHED Per Capita and Percent of Non-SOVT ravel for the Atlanta urbanized area. The State will have an opportunity to revisit and adjust (if necessary) the 4-year target in 2024.





Thank you!

Abby Marinelli, Transit Fund Management

Jamie Fischer, Transportation Performance & Innovation



FY24 ATL Priority Investment List Overview of MARTA Projects

January 2023



FIVE POINTS STATION REHABILITATION

Scope: The Station Rehabilitation Program will refresh forward-facing areas with new, more durable materials making the stations and facilities cleaner, safer, longer lasting, and easier to maintain. Five Points Station is currently undergoing design for full rehabilitation of the interior of the station.

Project Phase: Implementation

Project Cost: \$50M

Investment Request: \$5M



AIRPORT STATION REHABILITATION

Scope: The Station Rehabilitation Program will refresh forward-facing areas with new, more durable materials making the stations and facilities cleaner, safer, longer lasting, and easier to maintain. The Airport Station rehabilitation includes new flooring, a new Ride Store, new wall cladding, new ceilings and lighting, elevator improvements, and a new platform canopy.

Project Phase: Implementation

Project Cost: \$55M

Investment Request: \$5.5M



CANINE FACILITY

Scope: This program supports the MARTA Police Explosives Detection Canine Unit in assisting the Bomb Assessment Team (BAT) to determine threats to the system. The existing facilities have been utilizing “temporary” trailers for over 15 years, and the proposed new infrastructure will be modernized for technology/safety and expanded for growth.

Project Phase: Implementation

Project Cost: \$5M

Investment Request: \$500K



SMART RESTROOMS

Scope: This project supports the demolition and revitalization of patron restrooms at MARTA rail stations. Each restroom will be fully automated for controlled-entry, exterior monitoring, interior motion sensing, metered bathroom supplies, and regulated water dispensing.

Project Phase: Implementation

Project Cost: \$34M

Investment Request: \$3.4M



SUMMERHILL BUS RAPID TRANSIT

Scope: This project is MARTA'S first-ever Bus Rapid Transit project and is located along the Hank Aaron Drive/Capitol Avenue, Martin Luther King Jr. Dr, and Mitchell Street corridors. The Summerhill Bus Rapid Transit (BRT) project is part of the Atlanta More MARTA program. The BRT project will serve several major institutions, government facilities, employment centers, and housing centers along the corridors.

Project Phase: Implementation

Project Cost: \$91M

Investment Request: \$10M



FLEET UPGRADES AND REPLACEMENTS: RAIL CARS

Scope: This project will allow for the purchase of new CQ400 rail cars to fully replace the existing rail car fleet. The rail cars are scheduled to be delivered between 2024 and 2029, with the delivery of a pilot car in 2023.

Project Phase: Implementation

Project Cost: \$634M

Investment Request: \$10M





Thank You





ADJOURN

The Xpress Operations Committee Meeting
Will Begin Momentarily