



NCTCOG

Air Quality Health Monitoring Task Force

5.21.2026

Welcome!

This meeting is being recorded for notetaking purposes but will not be shared.

Room attendees:

- Attendance: Please sign in on the sign-in sheet at the front of the room
- When speaking, please state your name and organization

Virtual attendees:

- Attendance: Please enter your name, title, and organization in the chat
- Please make sure your microphone is muted when you are not speaking
- Please use the “Raise Your Hand” feature





North Texas Zero Emission Vehicles Call for Projects

Kris Yowtak, Air Quality Planner
Air Quality Health Monitoring Projects and Task Force
North Central Texas Council of Governments
May 21, 2026

North Texas Zero Emission Vehicle (NTxZEV) Call for Projects Background

Overview: \$60 million award from the Environmental Protection Agency (EPA) Clean Heavy-Duty Vehicles Grant

Purpose: Incentivize deployment of Class 6 and 7 heavy-duty Zero-Emissions Vehicles (battery electric or hydrogen fuel cell electric)

Eligible Applicants: Public or Private Fleets
 Must adopt a policy consistent with the RTC Clean Fleet Policy (www.nctcog.org/fleetpolicy)

NCTCOG Project Scope

Activity	Federal Funding	Match Requirement
Rebates to Replace Existing Vehicles with Zero Emissions Versions	\$58.6 million	Provided by program participants
Workforce Development	\$1.4 million	No match required
Training		
Total Federal Funding:	\$60 million	



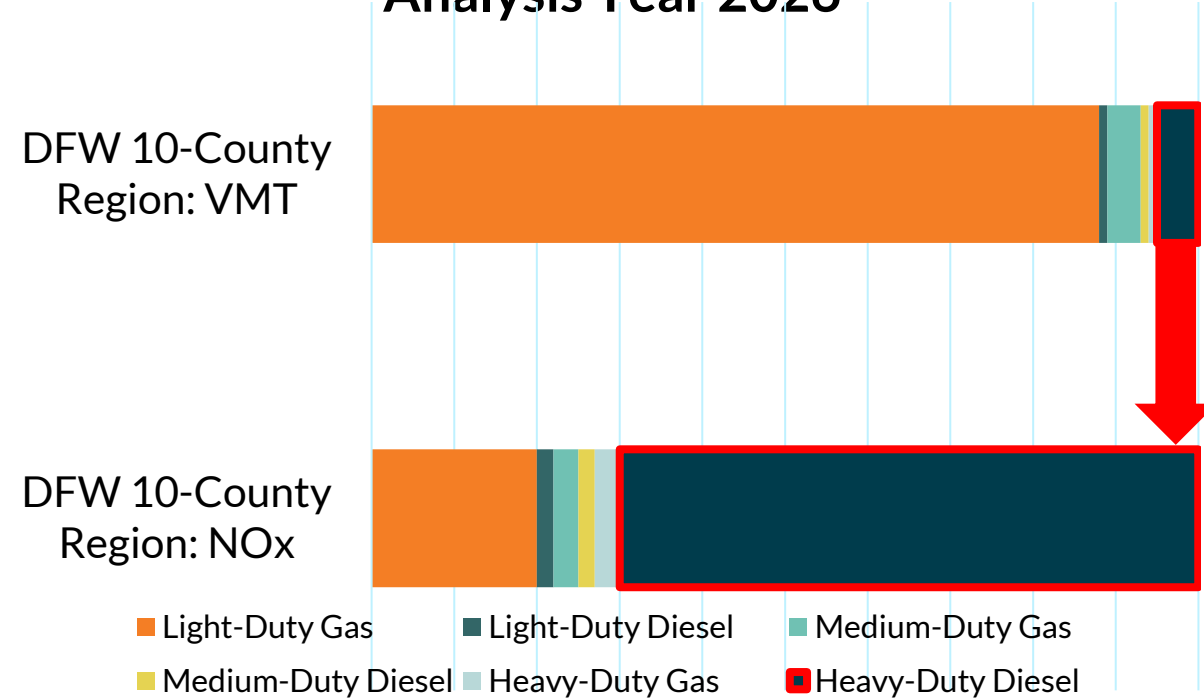
Program Context

- Current Ozone design value of 74 ppb* continues to exceed the EPA standard
- Heavy-duty diesel vehicles have disproportionate impact on regional air quality
- Unique program elements may expand project eligibility

For more information on North Texas Air Quality, check out the 2025 AQ Handbook at:

www.nctcog.org/airquality

Vehicle Miles Traveled (VMT) Versus Nitrogen Oxides (NO_x) Contribution by On-Road Vehicle Type in Dallas-Fort Worth Analysis Year 2026



*www.nctcog.org/ozone



Eligible Vehicle Types

Class 6 or Class 7 vehicle (GVWR between 19,501 lbs to 33,000 lbs)*

“Vocational Vehicles” as defined by [49 CFR Part 523](#)

Any vehicle that is equipped for a particular industry, trade or occupation such as construction, heavy hauling, mining, logging, oil fields, refuse; includes vehicles such as school buses, motorcoaches and RVs

Straight/Box Truck



Step Van



Septic/Bucket Truck



Street Sweeper



Transit Bus



Photo Credit: NCTCOG/Trinity Metro

Refuse Hauler



Other Vocational Vehicles**



*NTxZEV Guidelines Appendix A, GVWR maximum design loaded weight of a single vehicle set by the manufacturer

**School bus eligible only if NOT operated as a typical school bus as defined in Guidelines Appendix A

Eligible Funding Levels

Funding limited by cost share percentage or dollar funding cap, whichever is lower

Vehicle Type	Battery Electric Vehicles Maximum Funding	Vehicle Type	Hydrogen Fuel Cell Electric Vehicles Maximum Funding
School Bus*	75%, up to \$280,000*	School Bus	N/A
Straight/Box Truck	65%, up to \$190,000	Straight/Box Truck	80%, up to \$400,000
Step Van	65%, up to \$160,000	Step Van	80%, up to \$340,000
Septic/Bucket Truck	65%, up to \$330,000	Septic/Bucket Truck	80%, up to \$670,000
Other Vocation	65%, up to \$355,000	Other Vocation	80%, up to \$720,000
Refuse Hauler	50%, up to \$260,000	Refuse Hauler	70%, up to \$600,000
Street Sweeper	50%, up to \$315,000	Street Sweeper	70%, up to \$720,000
Transit Bus	33%, up to \$265,000	Transit Bus	60%, up to \$780,000

*ADA-compliant buses are eligible for an additional \$20,000 per-vehicle funding cap



Project Requirements

Vehicles

Operate primarily within the NCTCOG 16-County region

Must replace existing internal combustion vehicles with zero-emission vehicles (*no fleet expansion*)

Meet minimum operational requirements and have same form and function

Replace 2010 or older diesel (*if none available, flexibility to replace other fuel types*)

Scrap existing vehicles if 2010 or older OR may sell, donate, put into reduced service if 2011 or newer

Infrastructure

Must be installed within the NCTCOG 16-County region

Eligible costs include equipment, design/engineering, installation, permitting, necessary software

Must be associated with the new Zero Emissions Vehicle

Must be permanent (not temporary/mobile)

Meet additional technical requirements and certifications

Implementation

Meet Build America, Buy America requirements (waivers may be available)

Cannot combine with other federal grant funds



Step 3: NCTCOG Project Selection Criteria

Each vehicle scored individually

Most points associated with regional air quality improvement



Capital Cost per Ton*	Impact on Regional Air Quality	Feasibility and Risk	Long-Term Sustainability Efforts
Up to 30 points	Up to 30 points	Up to 25 points	Up to 15 points
Cost per ton of nitrogen oxides and volatile organic compounds reduced	Amount of time operating in priority areas, idling hours, and vehicle disposition method	Implementation plan, damage mitigation, NCTCOG administrative burden	Environmental planning/practices, vehicle-to-grid compatibility or use of distributed energy resources

*Calculated by NCTCOG based on total federal funds requested



Applicant Resources

- Weekly Virtual Office Hours on Mondays at 10:00am
- Technical assistance from the National Lab of the Rockies
- Resources to help identify vendors/vehicles
- Call for Projects Workshop Recordings

All resources are FREE and available at www.nctcog.org/NTxZEV

Help spread the word! Share the [NTxZEV CFP Flyer](#) at meetings, newsletters, chambers, etc.;
NCTCOG staff available to support local events/outlets



Call for Projects Schedule

Milestone	Date
Call for Projects Open	Friday, October 24, 2025
Call for Projects Round 2 Deadline	Friday, May 15, 2026 <i>Applications must be received in-hand by 5 PM CST</i>
Call for Projects Round 3 Deadline	Subsequent application deadlines: 3rd Friday of every month at 5 pm, until funds are exhausted
Ongoing Rolling Application Deadlines to Fully Award Funds	~30 Day Increments
Deadline for all Project Reimbursement Requests	Friday, October 29, 2027



Contact Us



Lori Clark
Senior Program Manager
NCTCOG
LClark@nctcog.org
817-695-9232



Savana Nance
Principal Air Quality Planner
NCTCOG
snance@nctcog.org
682-433-0488



Juliana VandenBorn
Senior Air Quality Planner
NCTCOG
jvandenborn@nctcog.org
817-704-2545



Kris Yowtak
Air Quality Planner III
NCTCOG
kyowtak@nctcog.org
817-695-9238



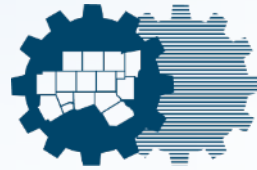
cleancities@nctcog.org

Apply by June 19, 2026, at 5 PM CT: www.nctcog.org/NTxZEV

**Stay Informed of Other Funding/Events Related to Alternative Fuel Vehicles:
www.nctcog.org/stay-informed**

Select Dallas-Fort Worth Clean Cities and Air Quality Funding Update





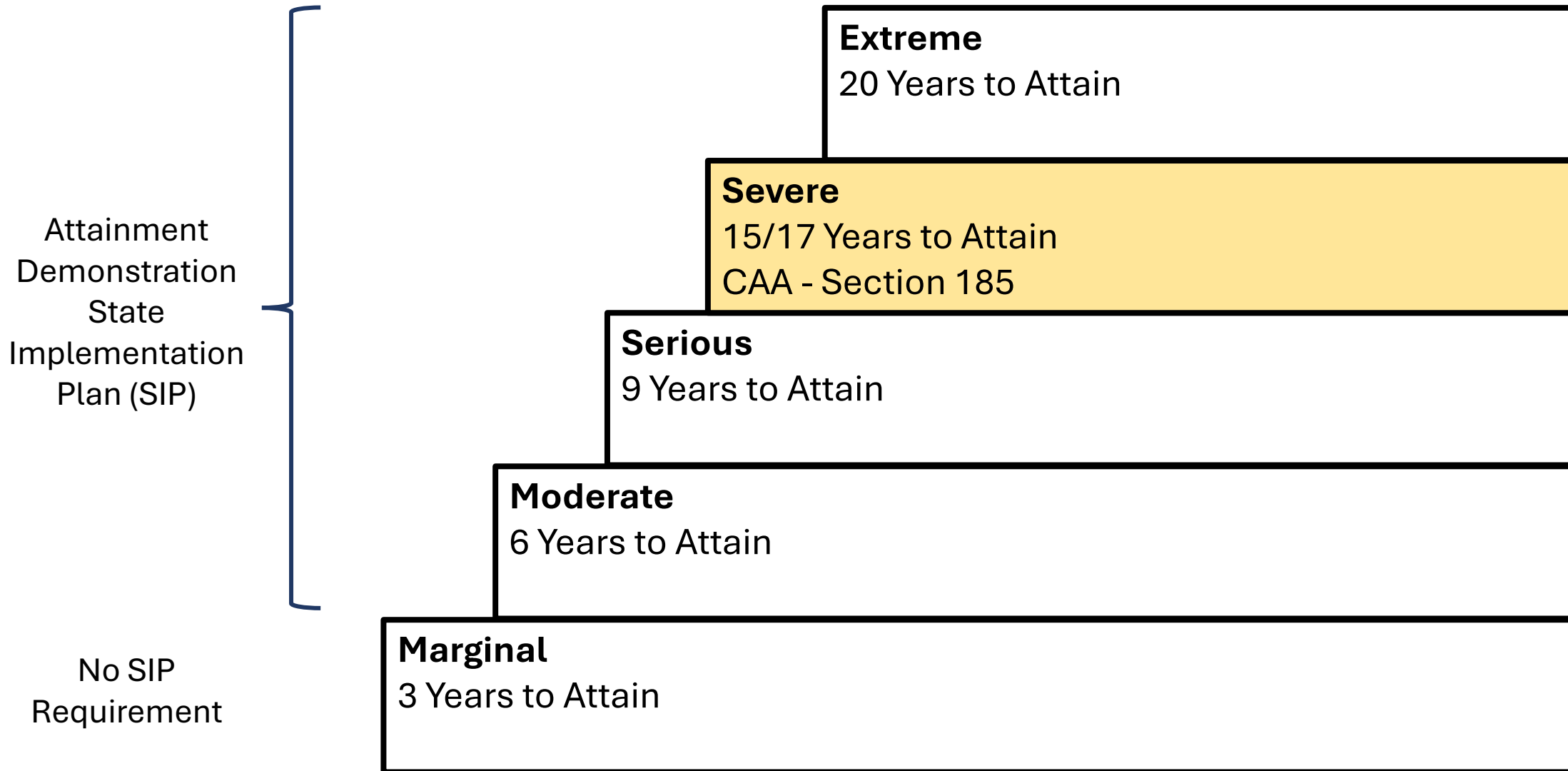
Clean Air Act: Section 185

Daniela Tower

Air Quality Health & Monitoring Task Force

5.21.2026

Ozone Attainment Classification



Scope and Charges

Section 185 fees as early as 2028 (assessment year) under failure to meet the 2008 ozone NAAQS by the end of 2026, collection year 2030

Baseline Emission Levels

For each individual major stationary source: actual emission levels or legally allowed emissions (whichever is lower)

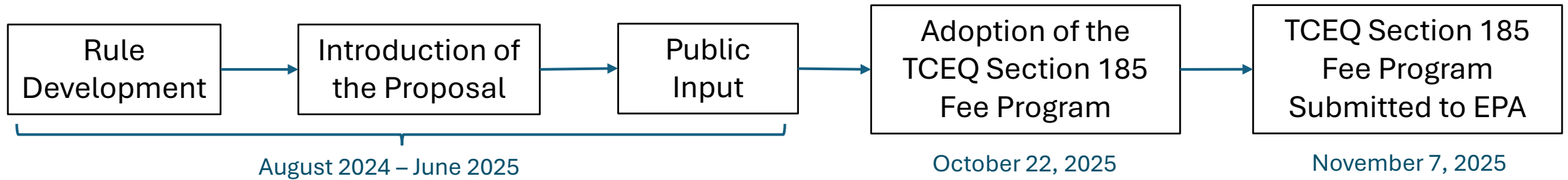
Every year a **fee for each ton of pollution (NO_x, VOC, or both)** that goes over **80% of its baseline will be charged** → \$5,000 per ton (1990) + annual inflation adjustment

CAA Section 185 Fee Rates by Calendar Year

Part 70 Fee Rates Effective Dates	Part 70 Permit Fee Rate	Scaled Section 185 Fee Rate	Annual CAA Section 185 Fee Rate
Sept. 1, 2019 – Aug. 31, 2020	\$52.03	\$10,406.00	\$10,456.67 2020
Sept. 1, 2020 – Aug. 31, 2021	\$52.79	\$10,558.00	\$10,663.33 2021
Sept. 1, 2021 – Aug. 31, 2022	\$54.37	\$10,874.00	\$11,152.67 2022
Sept. 1, 2022 – Aug. 31, 2023	\$58.55	\$11,710.00	\$11,922.00 2023
Sept. 1, 2023 – Aug. 31, 2024	\$61.73	\$12,346.00	\$12,476.67 2024
Sept. 1, 2024 – Aug. 31, 2025	\$63.69	\$12,738.00	\$12,850.67 2025
Sept. 1, 2025 – Aug. 31, 2026	\$65.38	\$13,076.00	



Texas Commission on Environmental Quality - Timeline



The next steps are driven by the EPA review process and the 2026-2027 attainment determination

Likely 2026	EPA evaluates whether the §185 program meets Clean Air Act requirements OR Qualifies as an “equivalent program” as proposed by the TCEQ Then EPA issues a: Proposed approval / disapproval rule followed by a public comment period (30–60 days)
Late 2026 – early 2027	After reviewing comments, EPA issues a final action : Approve/ Disapprove/ Conditional approval
2028 - 2029	EPA will review 2024 – 2026 data: If DV >75ppb → formal failure determinations → Reclassification to Extreme possible → Legal obligation for §185 (or equivalent)



Future Timeline: Working Plan TCEQ

July 20, 2027	2008 eight-hour ozone standard severe attainment date based on 2024, 2025, and 2026 monitoring data.
November 2027 (assumed for example purposes)	If EPA published the finding of failure to attain notice in the Federal Register within three months of the missed attainment date, then the effective date could be in November 2027.
March 31, 2028	2027 EIs and baseline amounts are due to TCEQ, Quality Assurance
Fall 2028	EPA publishes the 2028 fee rate
December 31, 2028	2027 EIs are due to EPA
April 2, 2029	2028 EIs are due to TCEQ, Quality Assurance
Fall 2029	TCEQ staff assesses the fee for 2028
Early 2030	TCEQ staff invoices the 2028 first fee assessment based on final 2027 baseline amounts and final 2028 emission inventory data → 2030 is the first fee collection year

Source: TCEQ



CONTACT US



Daniela Tower
Air Quality Planner

dtower@nctcog.org | 817-704-5629



Jenny Narvaez
Program Manager

jnarvaez@nctcog.org | 817-608-2342





NCTCOG

Air Quality Health Monitoring Task Force: Next Steps

5.21.2026

Beginnings: Air Quality Health Monitoring Task Force (AQHMTF)



Goal: Bring air quality (AQ) data and health data together into one place and identify correlations throughout the region



Throughout the years, data resources of various levels have been shared to help achieve this goal.



Bringing this data together is still a goal for NCTCOG



Different groups with different goals working together



Meetings have touched on variety of air quality and health topics



Who are our members?



Image source: Microsoft Stock Images

- Local government employees
- Health professionals
- Air quality professionals
- Academics/researchers
- Community Advocates
- More



Accomplishments



Air Quality & Health Data Leads



Invited local speakers to share their work



City of Dallas Air Sensor Summit Collaboration



AQHMTF Resource Page



What are members looking for?

Air quality + transportation information

Air quality monitoring best practices

Better ways to communicate air quality information

Improvement on health outcomes

Relevant air quality news

Connecting with other air quality and health professionals



Any other reasons you participate in the AQHMTF meetings?



AQHMTF Moving Forward

- Bringing air quality and health data remains a primary focus for NCTCOG
- Task Force meetings have shown a general interest in sharing air quality and health information in various formats to different groups with different levels of understanding on air quality and its impact on health
- Proposing to divert task force efforts into subcommittees

AIR QUALITY IS INTERDISCIPLINARY

AQ/Health
Education

Regional AQ
Monitoring
Network

AQ Website

AQ + Health
Data
Dashboard



AQHMTF Moving Forward

AQ/Health
Education

Regional AQ
Monitoring
Network

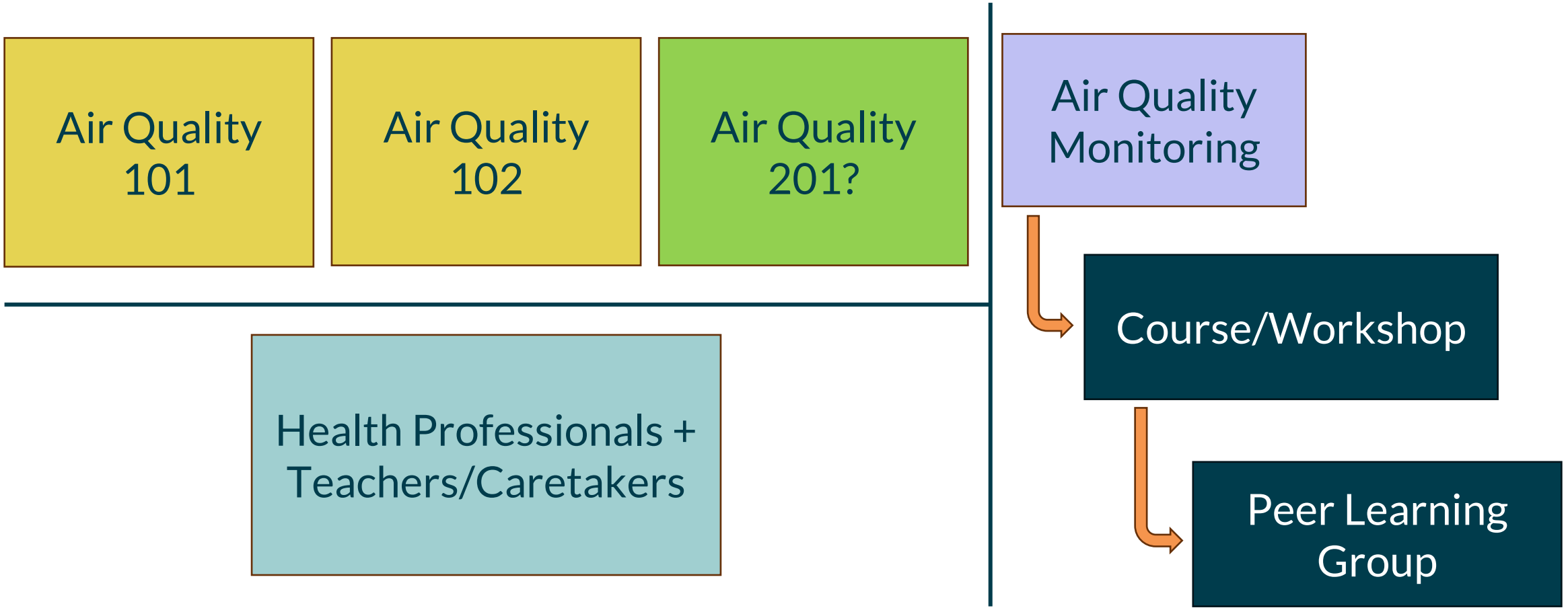
AQ Website

AQ + Health
Data
Dashboard



Air Quality and Health Education

Subcommittees will work to create educational workshops for public and professional groups interested in learning about air quality, air monitoring, and health




Air Quality 101 Workshop

Audience: public, professionals new to air quality

Topics:

- What is air pollution?
- Ozone and particulate matter (PM) basics
- DFW air pollution sources
- U.S. air quality regulation basics
 - Clean Air Act – standards
 - Conformity basics
 - Roles of federal, state, and local governments
- Air Quality Index (AQI) basics
- Health and environmental implications of poor air quality



Is any topic listed too technical for a beginner group?

What other topics should be included in a beginner course?



Air Quality 102 Workshop

Audience: public, professionals new to air quality

Goal: Building on foundational concepts discussed in AQ 101 Workshop

Topics:

- Nonattainment – how it's determined, how to get in and out of
- How to calculate design values
- Local vs. transported pollution
- Emissions Inventory overview
- Photochemical reactions
- Heat + AQ - impacts
- Meteorological impacts (temperature, wind, and mixing height) on air quality

Is any topic listed too technical for an intermediate group?

What other topics should be included in an intermediate course?



Air Quality 201

Audience: Air quality professionals, health professionals

Goal: Allow for more in-depth conversations or presentations on air quality and health topics

Air Quality 201 realization dependent on this group's interest

Topics:

- ? State Implementation Plans (SIP)
- ? Emissions inventory methodology
- ? Dispersion modeling
- ? Photochemical modeling
- ? Meteorology

Group Questions:

- What topics, if any, are you seeking more information or clarification on?
- Would anyone be interested in presenting on their own topics? Or know anyone working on something in the region that needs to be shared with this group?
- Opportunities to collaborate?



Health Professional/Caretakers/Teachers Workshop

Goal: Provide relevant and actionable air quality information to professionals working with sensitive populations to confidently discuss air quality and health and effectively prepare for poor air quality events.

Audience: Health professionals, caretakers, teachers and those who work with sensitive populations

Topics:

- AQ 101 topics (see previous slides)
- Air quality impact on sensitive groups versus non-sensitive groups
- Preventative vs. reactive measures
- Communicating air quality
- Information sources

What other topics do these groups need?

Group Questions:

- Is there opportunity for our groups to collaborate?
- Location: Hosted here, or better being taken to a specific part of the community?
- Who would benefit from this group? How would we contact them?



AQHMTF Moving Forward

AQ/Health
Education

Regional AQ
Monitoring
Network

AQ Website

AQ + Health
Data Dashboard



Regional AQ Monitoring Network

Goal: To increase air quality monitoring throughout the North Central Texas region to better contextualize air quality throughout the region on a more localized scale

Current Monitoring Networks:

- TCEQ/EPA Regulatory Monitors
- NCTCOG
- City of Dallas
- City of Denton
- SharedAirDFW
- Low-cost monitoring networks such as Purple Air, AirGradient, etc.



Air Quality Monitoring Workshop

Goal: Teach the basics of air quality monitoring

Audience: Individuals who want to learn more about how to establish their own air quality monitoring network (professionals and private citizens).

Topics:

- Is an air quality monitoring network right for me?
- Types of sensors (FEM/FRM vs. low-cost, etc.)
- Regulatory vs. informative monitoring
- Cost of establishing and maintaining
- Monitor placement (# of monitors, density, etc.)
- Community involvement (citizen science)



Air Quality Monitoring Peer Learning Group


Goal: Provide a collaborative space for those who have established, or are in the process of establishing, their own monitoring network to learn from others sharing monitoring experiences, lessons learned and provide support.

Sign-up required

Monitoring Working Group realization dependent on this group's interest

Regular discussions on:

- Data analysis/validation
- Data management
- Experiences with monitoring devices
- Lessons learned



Any other topics that should be included?



AQHMTF Moving Forward

AQ/Health
Education

Regional AQ
Monitoring
Network

AQ Website

AQ + Health
Data Dashboard



Current NCTCOG AQ Websites

NCTCOG AQ Information:

- Air Quality Background
- AQ Handbook (English, Spanish, Vietnamese)
- Current Ozone Activity
- NCTCOG AQ initiatives
- Federal AQ Requirements
- AQ Funding Requirements
- Emission Inventories
- AQ Health Monitoring Resources

North Central Texas Council of Governments

AGENCY ADMINISTRATION AGING SERVICES ECONOMIC DEVELOPMENT EMERGENCY PREPAREDNESS ENVIRONMENT & DEVELOPMENT EXECUTIVE DIRECTOR NCT 9-1-1 PUBLIC SAFETY REGIONAL DATA WORKFORCE SOLUTIONS TRANSPORTATION

Home > Transportation > Quality of Life > Air Quality

Air Quality

North Central Texas Council of Governments (NCTCOG) works in cooperation with federal, state, and local stakeholders to improve air quality in the North Central Texas region. The **2025 NCTCOG Air Quality Handbook** provides a full breakdown of the region's air quality and the air quality initiatives currently being implemented by NCTCOG with local stakeholders.

AIR QUALITY Handbook

Manual de la Calidad del Aire

Sổ tay chất lượng không khí

Activity Booklet Answer Key

<https://www.nctcog.org/trans/quality/air>



Current NCTCOG AQ Websites

Air North Texas AQ Information:

- Ozone Basics
- Quick info on other pollutants
- How to take action
 - Individuals
 - Governments
 - Businesses
 - Clean Air Action Day
 - Resources
- Links to teaching and advertising materials
- Helpful AQ links
- Clean Air Corner Newsletter



<https://www.airnorthtexas.org/>



Current NCTCOG AQ Websites

North Central Texas Council of Governments

AGENCY ADMINISTRATION | AGING SERVICES | ECONOMIC DEVELOPMENT | EMERGENCY PREPAREDNESS | ENVIRONMENT & DEVELOPMENT | EXECUTIVE DIRECTOR | NCT 9-1-1 | PUBLIC SAFETY | REGIONAL DATA | WORKFORCE SOLUTIONS | TRANSPORTATION

Air Quality

North Central Texas Council of Governments (NCTCOG) works in cooperation with federal, state, and local stakeholders to improve air quality in the North Central Texas region. The **2025 NCTCOG Air Quality Handbook** provides a full breakdown of the region's air quality and the air quality initiatives currently being implemented by NCTCOG with local stakeholders.

- [Air Quality Handbook](#)
- [Manual de la Calidad del Aire](#)
- [Sổ tay chất lượng không khí](#)
- [Activity Booklet Answer Key](#)

AIR NORTH TEXAS

HOME | ABOUT | TAKE ACTION | AQ RESOURCES | JOIN US | SIGN UP FOR ALERTS

[Air Quality Facts](#)

[Current Ozone Activity](#)

[Clean Air Action Day](#)

Group Question: What information needs to be added or improved upon on our pages to become a better resource for your group?



AQHMTF Moving Forward

AQ/Health
Education

Regional AQ
Monitoring
Network

AQ Website

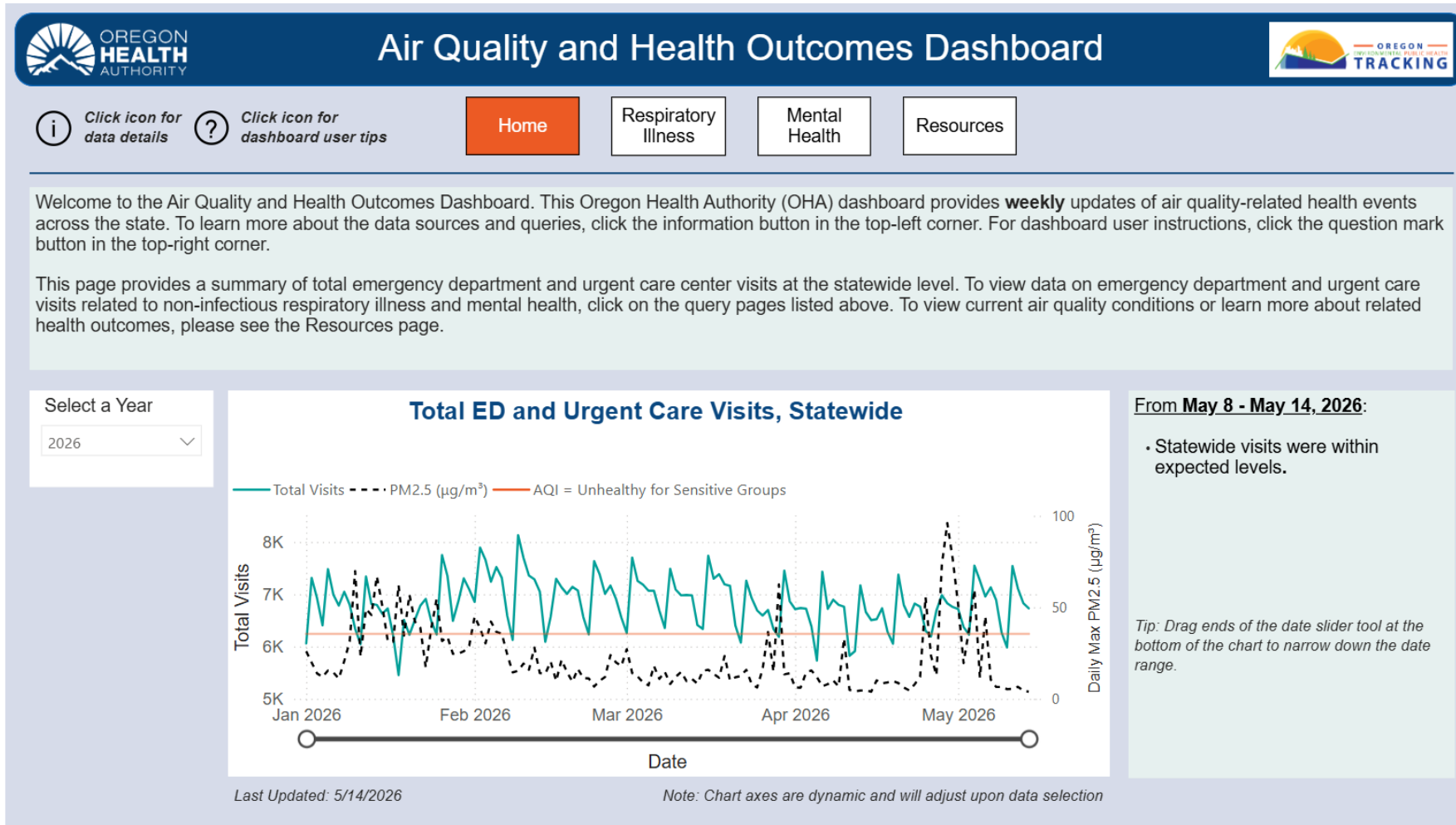
AQ + Health
Data Dashboard



Example: AQ + Health Data Dashboard

Oregon Health Authority

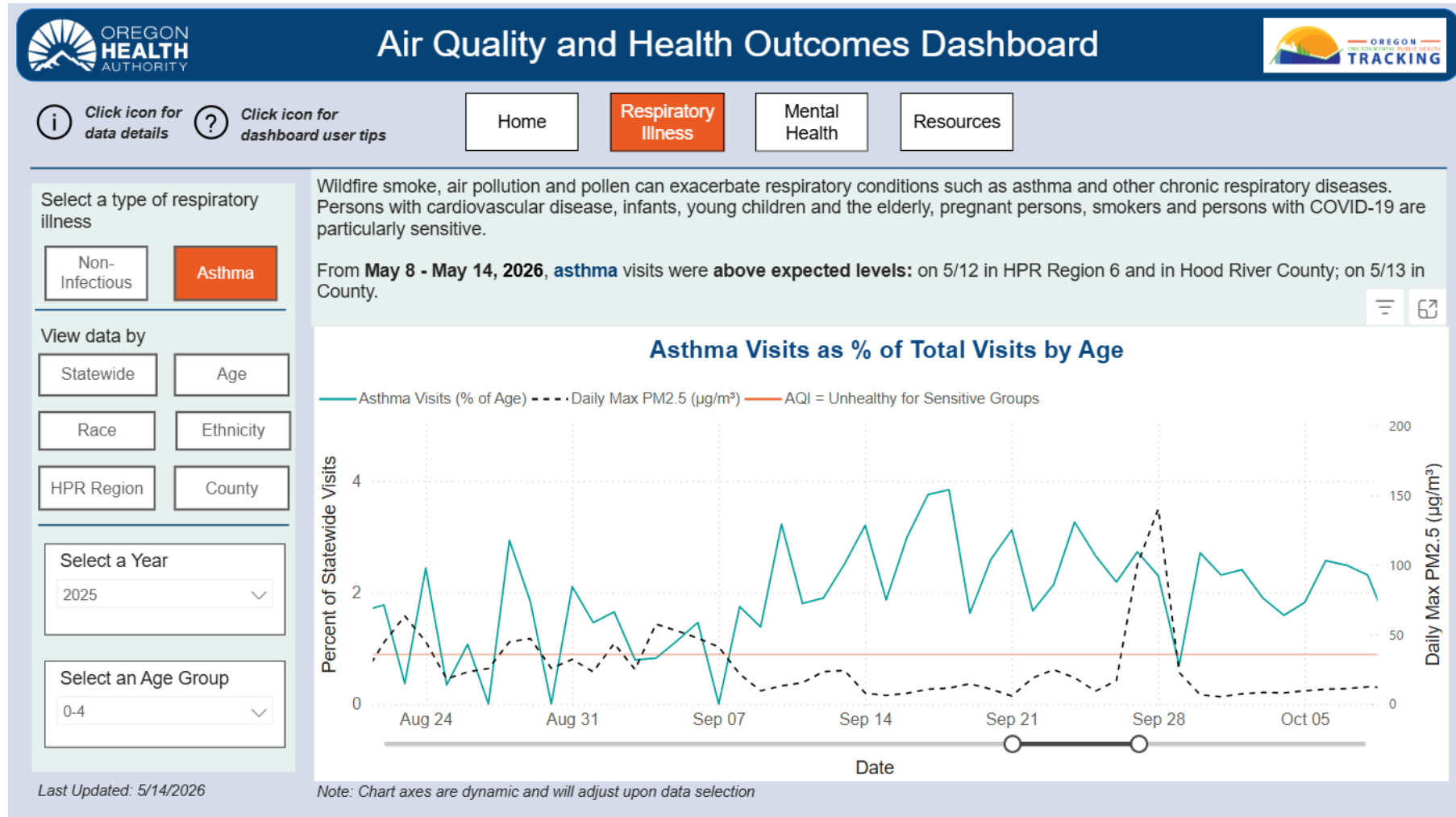
Microsoft Power BI



Example: AQ + Health Data Dashboard

Oregon Health Authority

[Microsoft Power BI](#)



Example: AQ + Health Data Dashboard

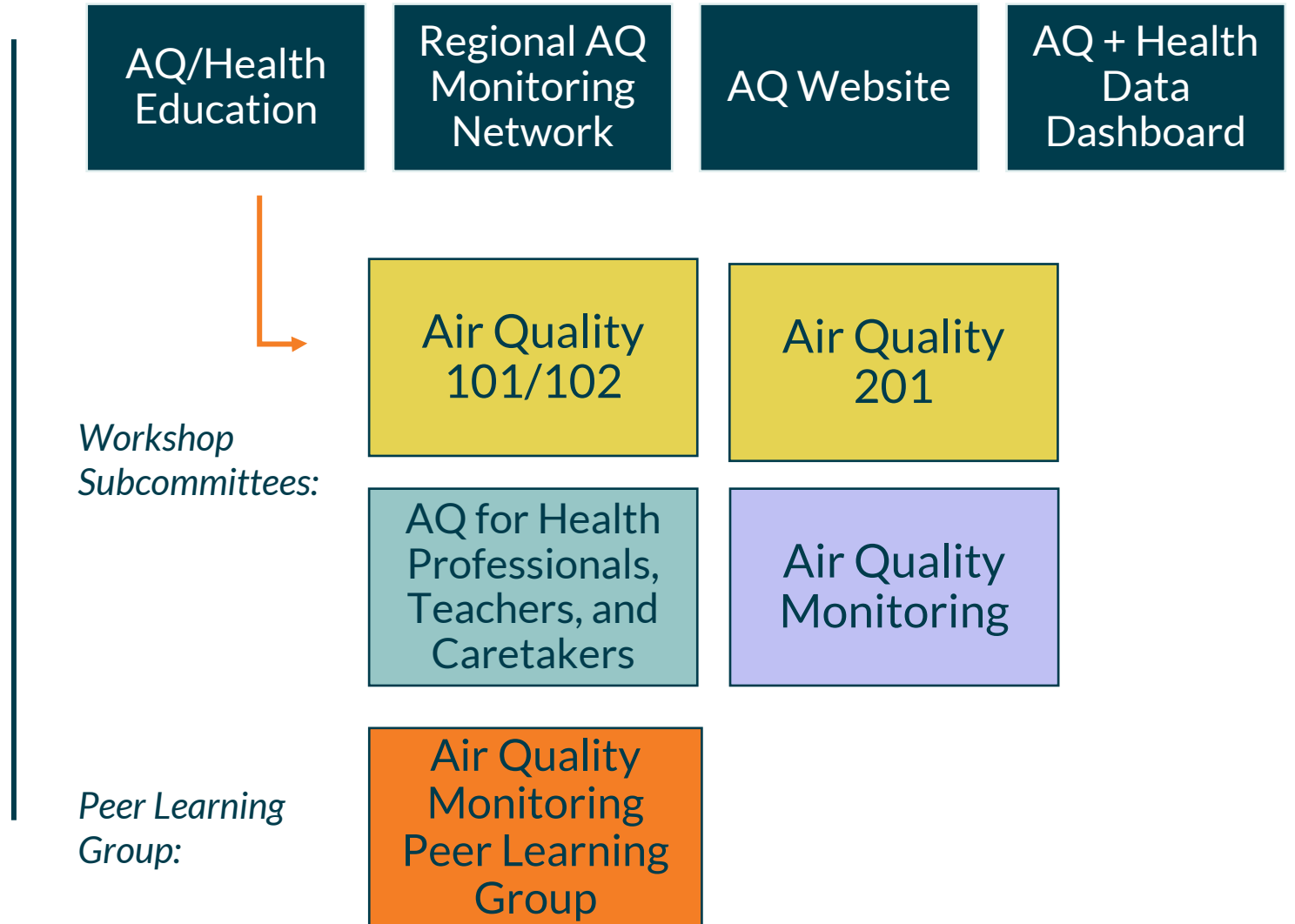
Oregon Health Authority

- Should we model after Oregon's dashboard?
- What do you like and/or would like to see changed?
- Has anyone worked with the National Syndromic Surveillance Program's (NSSP) Electronic Surveillance System for the Early Notification of Community-based Epidemics (ESSENCE) system?



AQHMTF: Moving Forward

- Sign up for subcommittee-signup will be sent out following this meeting
- NCTCOG and subcommittee groups to start planning workshops and will follow up with more information.
- NCTCOG to begin making adjustments to website(s) as stated by this group
- No planned upcoming meeting



THANK YOU



616 Six Flags Drive
Arlington, TX 76011



agarcia@nctcog.org



817-695-9170



<https://www.nctcog.org/trans/about/committees/aq-health-monitoring-task-force>

