



**Community Advisory Committee (CAC)—AGENDA**

**November 11, 2021**

**6:00 – 7:30 p.m.**

**Call-in information:**

(571) 317-3112

**Code:** 194-437-133

<https://www.gotomeet.me/NFRMPO/nfrmpo-community-advisory-committee>

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**1. Call Meeting to Order, Welcome, Introductions**

**2. Review of Agenda and Previous Meeting Notes**

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**1) Air Quality in the North Front Range**

Presentation and discussion on Air Quality Related to Transportation in the NFRMPO Region

*Medora Bornhoft, NFRMPO  
Transportation & Air Quality  
Planner III*

**2) Tackling Ground-Level Ozone at the RAQC**

Presentation and discussion by the Regional Air Quality Council (RAQC)

*Wayne Chuang, RAQC  
Air Quality Planner/Analyst*

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**3. CAC Subcommittee**

Outreach & Inclusive Planning Report and Outreach Evaluation Survey  
Subcommittee Structure

**4. Next Meeting Agenda Topic Suggestions**

**5. Upcoming Meetings:**

Call for Projects Subcommittee: December 9, 2021

Community Advisory Committee: January 13, 2022

**For any questions or accommodations, please contact AnnaRose Cunningham  
at [arcunningham@nfrmpo.org](mailto:arcunningham@nfrmpo.org) or (970) 818-9497.**

**Executive Summary of the  
North Front Range Metropolitan Planning Organization  
Community Advisory Committee**

October 14, 2021

**Attendees:** AnnaRose Cunningham, Alex Gordon, Brooke Bettolo, Kimberly Baker, Diego Lopez

**Public Involvement Plan (PIP) Update**

The group discussed ways to improve outreach for the NFRMPO. The discussion focused on the following themes:

- Focus on intentionality and being specific in what is meant and expected
- Build capacity for feedback overtime like with the CAC
- How can you properly reimbursement or compensate people for their time knowing it is not within their job responsibilities – what are the requirements/laws?
- Be deliberate about closing the feedback loop, specifically through evaluation
- Do a stakeholder and gap analysis
- Do listening sessions
- Do more work with community groups, including panel surveys, go to where people are, and visit more boards and commissions
- Share resources with CSU and the school districts
- Use project ambassadors to build relationships and increase public presence

CAC members were asked to provide additional feedback using the Google Form:

<https://forms.gle/GGugMvezgHDmBMu66>

The meeting adjourned at 7:11 p.m. The next meeting date will be November 11.



## Calendar of Upcoming Events

### November

Event	Date	Time	Location	Link
NFRMPO Planning Council	November 4, 2021	6:00 – 8:30 p.m.	Virtual & <b>Fort Collins Utility Building – Colorado River Room</b> 2525 West 1 <sup>st</sup> Street, Loveland, CO 80537	<a href="https://nfrmpo.org/calendar/planning-council-meeting-20/">https://nfrmpo.org/calendar/planning-council-meeting-20/</a>
NoCo Bike & Ped Collaborative	November 10, 2021	10:00 a.m. – 12:00 p.m.	Virtual & <b>Windsor Recreation Center</b> - 250 11th St Windsor, CO 80550	<a href="https://nfrmpo.org/calendar/noco-2021-11-10/">https://nfrmpo.org/calendar/noco-2021-11-10/</a>
Spin Adaptive Bike Demo	November 11, 2021	11:30 a.m. – 1:30 p.m.	Colorado State University - East of the Lory Student Center Plaza (in front of Computer Sciences building)	(see flyer attached to CAC Agenda email)
Community Advisory Committee (CAC)	November 11, 2021	6:00 – 8:00 p.m.	Virtual	<a href="https://nfrmpo.org/calendar/community-advisory-committee-cac-5/">https://nfrmpo.org/calendar/community-advisory-committee-cac-5/</a>
Loveland Transportation Advisory Board	September 13, 2021	4:00 p.m. – 6:00 p.m.	<b>Loveland Municipal Building</b> , Parks and Recreation Conference Room, 500 E. 3rd St. Loveland, CO 80537	<a href="https://www.lovgov.org/Home/Components/Calendar/Event/95803/1023">https://www.lovgov.org/Home/Components/Calendar/Event/95803/1023</a>
NFRMPO Technical Advisory Committee	November 17, 2021	1:00 – 3:30 p.m.	Virtual & <b>Windsor Community Recreation Center</b> 250 11 <sup>th</sup> St. Windsor, CO 80550	<a href="https://nfrmpo.org/calendar/tac-2-2021-11-17/">https://nfrmpo.org/calendar/tac-2-2021-11-17/</a>
Fort Collins Transportation Board	November 17, 2021	6:00 p.m.	Virtual	<a href="https://www.fcgov.com/cityclerk/transportation.php">https://www.fcgov.com/cityclerk/transportation.php</a>
Larimer County Mobility Committee	November 18, 2021	1:30 – 3:00 p.m.	Virtual	<a href="https://nfrmpo.org/calendar/larimer-county-mobility-committee-21/">https://nfrmpo.org/calendar/larimer-county-mobility-committee-21/</a>
Greeley Citizen Transportation Advisory Board (CTAB)	November 22, 2021	3:00 p.m. – 4:30 p.m.	Virtual	<a href="https://greeleygov.com/government/b-c/boards-and-commissions/all">https://greeleygov.com/government/b-c/boards-and-commissions/all</a>

## December


Event	Date	Time	Location	Link
Transfort Travel Training	December 1, 2021	11:00 a.m.	Virtual	<a href="https://engage.fcgov.com/ActivityRegistration/7dd3590d-159f-4fc5-887a-b678d236d01d">https://engage.fcgov.com/ActivityRegistration/7dd3590d-159f-4fc5-887a-b678d236d01d</a>
Mobility and Access Priority Group	December 2, 2021	1:30 – 3:00 p.m.	Virtual	<a href="https://nfrmpo.org/calendar/mobility-and-access-priority-group-stc-6/">https://nfrmpo.org/calendar/mobility-and-access-priority-group-stc-6/</a>
NFRMPO Planning Council	December 2, 2021	6:00 – 8:30 p.m.	Virtual & <b>Severance Town Hall</b> , 3 S. Timber Ridge Parkway, Severance, CO 80546	<a href="https://nfrmpo.org/calendar/planning-council-meeting-21/">https://nfrmpo.org/calendar/planning-council-meeting-21/</a>
Weld County Mobility Committee	December 7, 2021	1:30 – 3:00 p.m.	Virtual	<a href="https://nfrmpo.org/calendar/weld-county-mobility-committee-17/">https://nfrmpo.org/calendar/weld-county-mobility-committee-17/</a>
NoCo Bike & Ped Collaborative	December 8, 2021	10:00 a.m. – 12:00 p.m.	Virtual	<a href="https://nfrmpo.org/calendar/noco-2021-12-08/">https://nfrmpo.org/calendar/noco-2021-12-08/</a>
CAC Subcommittee	December 9, 2021	6:00-7:00 p.m.	Virtual	<a href="https://nfrmpo.org/calendar/community-advisory-committee-cac-6/">https://nfrmpo.org/calendar/community-advisory-committee-cac-6/</a>
NFRMPO Technical Advisory Committee	December 15, 2021	1:00 – 3:30 p.m.	Virtual & <b>Windsor Community Recreation Center</b> 250 11 <sup>th</sup> St. Windsor, CO 80550	<a href="https://nfrmpo.org/calendar/tac-2-2021-12-15/">https://nfrmpo.org/calendar/tac-2-2021-12-15/</a>
Fort Collins Transportation Board	December 15, 2021	6:00 p.m.	Virtual	<a href="https://www.fcgov.com/cityclerk/transportation.php">https://www.fcgov.com/cityclerk/transportation.php</a>
Greeley Citizen Transportation Advisory Board (CTAB)	December 27, 2021	3:00 p.m. – 4:30 p.m.	Virtual	<a href="https://greeleygov.com/government/b-c/boards-and-commissions/all">https://greeleygov.com/government/b-c/boards-and-commissions/all</a>

# TACKLING GROUND-LEVEL OZONE AT THE RAQC

WAYNE CHUANG  
NFRMPO COMMUNITY ADVISORY COMMITTEE  
11/11/2021

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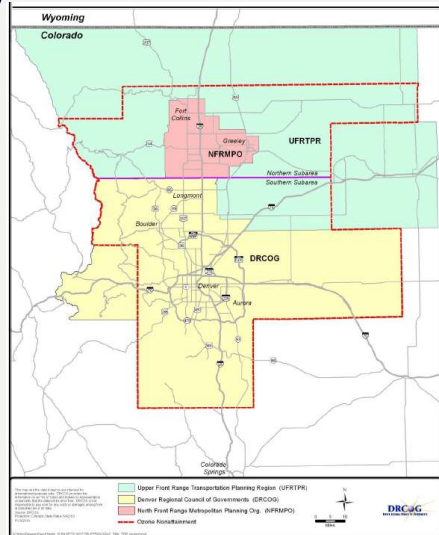



## Regional Air Quality Council

Lead air quality planning agency for the Denver Metro/North Front Range

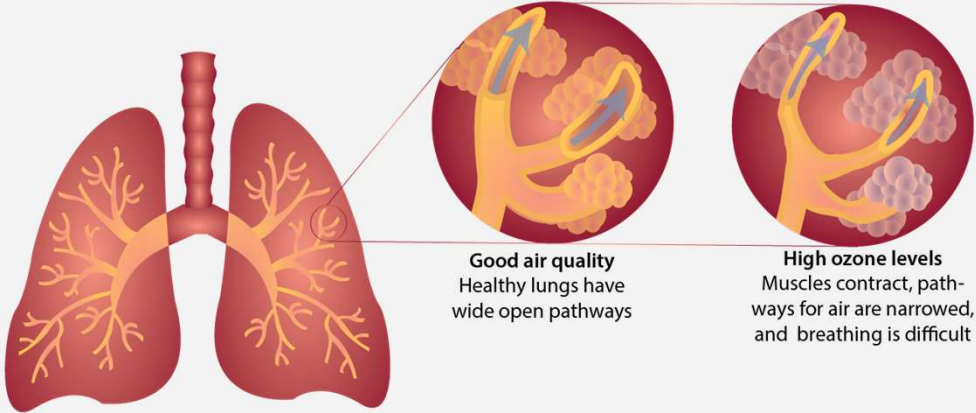
**Primary responsibilities:**

- Planning to meet federal air quality standards (SIPs) and state standards
- Conduct programs of public education and awareness
- Implement public/private projects to reduce emissions and improve air quality
- Represent and assist local governments in the air quality planning process

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**Ozone is an irritant that damages lungs by reacting with our tissues.**



**Good air quality**  
Healthy lungs have wide open pathways

**High ozone levels**  
Muscles contract, pathways for air are narrowed, and breathing is difficult


Source: [scied.ucar.edu/learning-zone/air-quality/effects-air-pollution](https://scied.ucar.edu/learning-zone/air-quality/effects-air-pollution)

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RAQC  
REGIONAL AIR QUALITY COUNCIL

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**Ozone is mainly formed from the reaction of NO<sub>x</sub> and VOCs, in the presence of sunlight.**



Volatile Organic Compounds

Nitrogen Oxides

Ozone

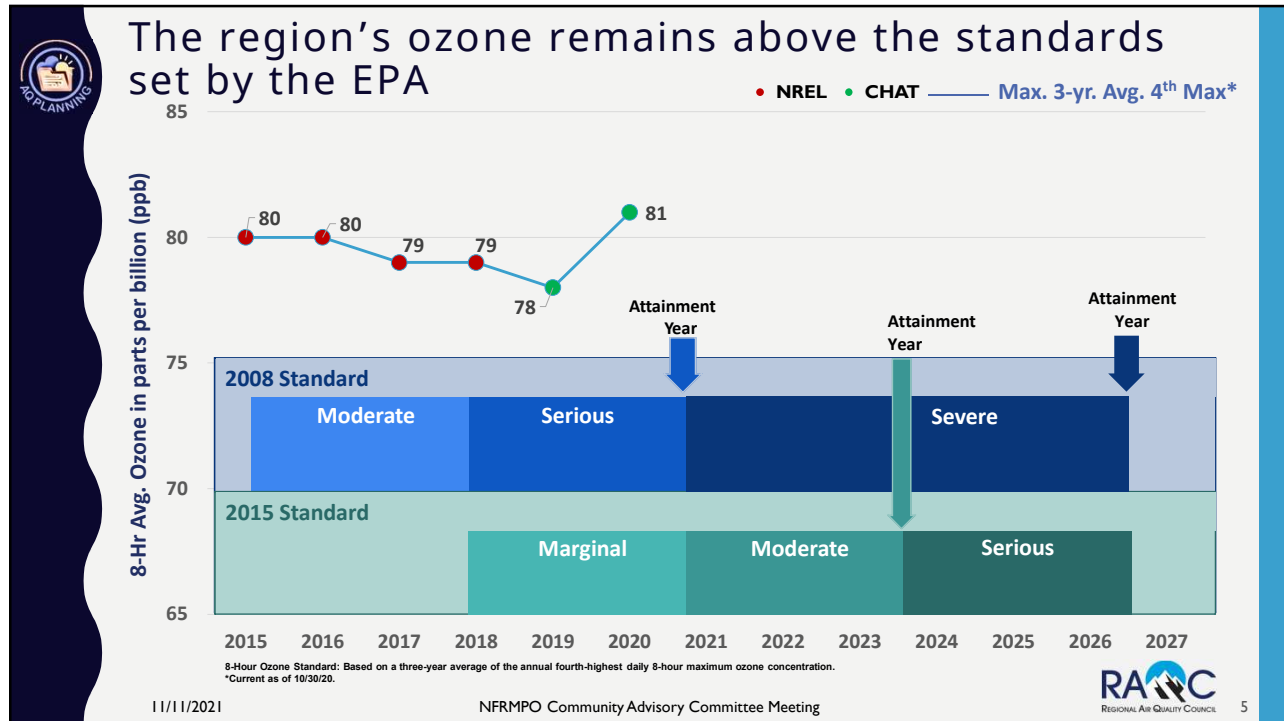
Biogenic Area Mobile Off-road Point

Source: [www.montgomerycountymd.gov/DEP/Resources/Images/outreach/air/ozonformation.jpg](https://www.montgomerycountymd.gov/DEP/Resources/Images/outreach/air/ozonformation.jpg)

7/31/2020

RAQC  
REGIONAL AIR QUALITY COUNCIL

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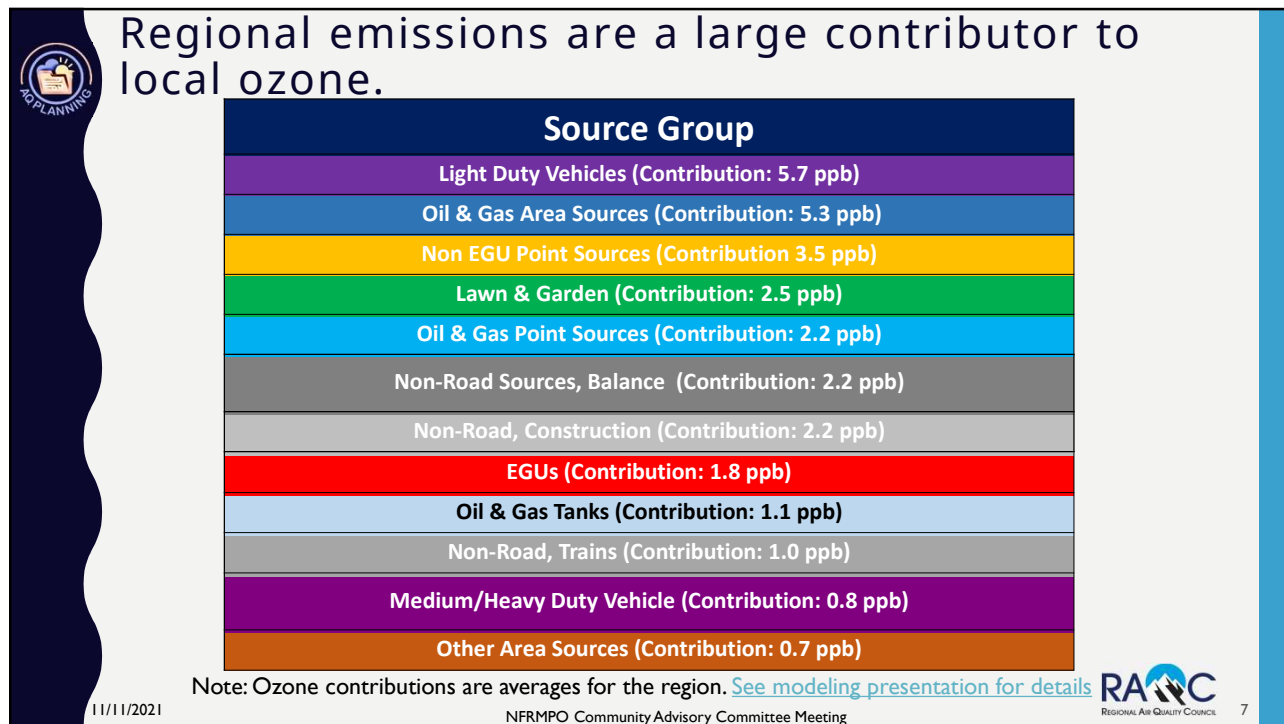
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**This year's ozone concentrations have been especially poor.**


Monitor	2019	2020	2021	DV
Fort Collins - West	71	75	85	77
Fort Collins - CSU	64	67	76	69
Greeley - Weld Tower	65	72	76	71
Rocky Mountain NP	65	72	77	71
Platteville		76	83	
Boulder Reservoir	69	76	82	75
Rocky Flats	72	84	87	81
Welby	60	78	79	72
Black Hawk	69	75	81	75
La Casa	65	78	83	75
CAMP	67	74	77	72
NREL	75	87	89	83
Aurora East	66	77	77	73
Evergreen		63	79	
Highland	73	83	84	80
Chatfield State Park	78	83	89	83

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 State Implementation Plans detail how a region will reduce pollution to reach attainment.

- State Implementation Plans (SIPs) are each state's plan for demonstrating attainment with and maintenance of National Ambient Air Quality Standards (NAAQS) by the statutory deadline
- "SIP" commonly refers to the revision documents submitted by the state that include:
  - Attainment Demonstrations, Control Strategy Elements, Contingency Measures, and more
  - Requirements of each SIP are outlined in the Clean Air Act
- Includes all federally enforceable control measures and strategies adopted by the state (and approved by EPA)

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## SIP development is a multiyear process.

- Creating a SIP is an involved process with multiple sequential steps.
  - Data collection, modeling, and control strategy development
- Evaluating the state of technology and feasible measures to implement that can reduce VOC or NOx emissions
- Regional and local models to simulate how changes in demographics, technologies, and controls affect ozone formation
- Goes through the RAQC Board and AQCC approval process before submittal to the EPA

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## The RAQC has numerous programs to encourage equipment changes to cleaner options.

- Mow Down Pollution Program
  - Provides \$150 vouchers to exchange gas-powered mowers for electric mowers
- Charge Ahead Colorado
  - Funding for electric vehicles and charging stations



- Alt Fuels Colorado
  - Funding for replacing and scrapping pre-2009 vehicles, which have higher emissions
  - Replacing with fully electric and renewable natural gas fleet




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## The RAQC's *Simple Steps. Better Air.* program seeks to inform residents about how they can help.

- Primary objectives:
  - Increasing the belief that SSBA audiences' personal actions related to ground-level ozone have a positive impact
  - Building a greater awareness of current behaviors that lead to ground-level ozone
  - Driving our audiences to engage in better behaviors
- Build partnerships with local organizations, media, and corporations to improve messaging and outreach
- On potentially high ozone days, engages the public through Ozone Action Alerts and actions to reduce emissions



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## The development of new Control Strategies are integral to the region's attainment.

- Control Strategies Committee evaluates and advances strategies to decrease ozone levels and improve air quality
- Strategies are evaluated on their air quality benefits, feasibility, time and cost, impacted groups and environmental justice, and necessary partnerships
- meets 3<sup>rd</sup> Wednesday of every month
- <https://raqc.org/control-strategy-committee-information/>

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## Work Groups are tackling major emissions sources and fostering regional collaboration.

- Indirect Source Rule Work Group
  - Seeking ways to reduce emissions from indirect sources, which are facilities, buildings, etc. that can induce substantial mobile source activity
- Non-Road Engines Work Group
  - Exploring emission reductions from mobile sources not designed to operate on a roadway, e.g. agricultural, industrial, and lawn equipment.
- Local Government Collaboration
  - Helping local government design and implement programs and policies to improve air quality in their communities

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## QUESTIONS?

**CONTACT:**  
**WAYNE CHUANG**  
[WCHUANG@RAQC.ORG](mailto:WCHUANG@RAQC.ORG)

[WWW.RAQC.ORG](http://WWW.RAQC.ORG)



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