



**NORTH FRONT RANGE TRANSPORTATION & AIR QUALITY PLANNING COUNCIL**  
**HYBRID MEETING AGENDA**  
**August 4, 2022**

<p><b><u>In-Person Attendance Option (UPDATED)</u></b>  <b>Johnstown Town Hall</b>  <b>450 S Parish Ave</b>  <b>Johnstown, CO 80534</b></p>	<p><b><u>Virtual Attendance Option</u></b>  <b>Call-in Number: (571) 317-3122</b>  <b>Access Code: 144-857-813</b>  <b>Online Meeting: <a href="https://bit.ly/2022NFRPC">https://bit.ly/2022NFRPC</a></b></p>
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For assistance during the meeting, please contact Alex Gordon – [agordon@nfrmpo.org](mailto:agordon@nfrmpo.org) or 970.289.8279

***Pledge of Allegiance***

***Public Comment- 2 Minutes Each*** (accepted on items not on the Agenda) Anyone in the audience will be given time to speak to items on the Consent Agenda. Please ask for that item to be removed from the Consent Agenda. Items pulled will be heard at the beginning of the regular agenda. Members of the public will be given an opportunity to speak to all other items prior to Council action being taken.

- 1) Acceptance of Meeting Agenda
- 2) Approval of Minutes - Lead Planning Agency for Air Quality/MPO – July 7, 2022 (Page 8)

**Lead Planning Agency for Air Quality Agenda**

**REPORTS:**

- |  |   |      |
|--|---|------|
| 3) Air Pollution Control Division (APCD) (Handout) | Jessica Ferko – Planning & Policy Program, APCD | 6:05 |
| 4) Regional Air Quality Council (RAQC) (Handout)   | (Written)                                       |      |
| 5) NFRMPO Air Quality Program Updates (Handout)    | Becky Karasko –Transportation Planning Director | 6:20 |

**Metropolitan Planning Organization Agenda**

**REPORTS:**

- |   |   |      |
|---|---|------|
| 6) Report of the Chair                  | Will Karspeck - Council Chair, Mayor Town of Berthoud | 6:25 |
| • New Larimer RAQC Representative       |   |      |
| 7) Executive Director Report            | Suzette Mallette - Executive Director                 | 6:30 |
| 8) TAC (Page 12)                        | (Written)   |      |
| 9) Mobility (Page 13)                   | (Written)   |      |
| 10) Finance (Page 16)                   | (Written)   |      |
| 11) Q2 2022 TIP Modifications (Page 27) | (Written)   |      |

**CONSENT ITEM:**

- |   |                               |      |
|---|-------------------------------|------|
| 12) 1 <sup>st</sup> Quarter 2022 Unaudited Financials (Page 43) | Michelle Edgerley – Go Figure | 6:35 |
|---|-------------------------------|------|

**ACTION ITEMS:**

- |   |   |      |
|---|---|------|
| 13) FY2019 MPOF Projects Extension Requests<br>Resolution 2022-22 (Page 52) | AnnaRose Cunningham - Transportation Planner II | 6:40 |
| 14) 2022 MPOF Call for Projects Resolution 2022-23 (Page 71)                | AnnaRose Cunningham                             | 6:45 |
| 15) July 2022 TIP Amendment Resolution 2022-24 (Page 76)                    | AnnaRose Cunningham                             | 6:55 |
| 16) Updates to Executive Policies Resolution 2022-25 (Page 81)              | Suzette Mallette                                | 7:00 |

**NEXT MPO COUNCIL MEETING: September 1, 2022- Hosted by the City of Fort Collins**



**DISCUSSION ITEMS:**

- |   |                  |      |
|---|------------------|------|
| 17) 2045 RTP Update and Greenhouse Gas (GHG) Analysis     | Becky Karasko    | 7:05 |
| 18) Amendment to Articles of Association <i>(Page 82)</i> | Suzette Mallette | 7:20 |

**COUNCIL REPORTS:**

7:30

- |   |   |      |
|---|---|------|
| Transportation Commission                                       | Kathleen Bracke - Transportation Commissioner                 |      |
| CDOT R4 Update  | Heather Paddock - CDOT R4 Transportation Director             |      |
| STAC Report <i>(Page 84)</i>                                    | (Written)   |      |
| I-25 Coalition  | Scott James – Council Vice Chair, Weld County Commissioner    |      |
| Nonattainment Area Air Pollution Mitigation Enterprise (NAAPME) | Kristin Stephens – Larimer County Commissioner                |      |
| Front Range Passenger Rail District                             | Will Karspeck<br>Johnny Olson – City of Greeley Councilmember |      |
| Host Council Member Report                                      | Troy Mellon– Mayor Pro Tem, Town of Johnstown                 | 7:40 |

**MEETING WRAP UP:**

- |                                       |  |      |
|---------------------------------------|--|------|
| Next Month's Agenda Topic Suggestions |  | 7:45 |
|---------------------------------------|--|------|



## ***MPO Planning Council***

### ***Town of Berthoud***

**William Karspeck, Mayor - Chair**

Alternate- Mike Grace, Mayor Pro Tem

### ***Weld County***

**Scott James, Commissioner - Vice Chair**

Alternate- Perry Buck, Commissioner

### ***Town of Eaton***

**Liz Heid, Mayor Pro Tem**

Alternate- Glenn Ledall, Trustee

### ***City of Evans***

**Mark Clark, Mayor**

Alternate- TBD

### ***City of Fort Collins***

**Jeni Arndt, Mayor**

Alternate- Tricia Canonico, Councilmember

### ***Town of Garden City***

**Fil Archuleta, Mayor**

Alternate- TBD

### ***City of Greeley and Greeley Evans Transit (GET)***

**Johnny Olson, Councilmember**

Alternate- Brett Payton, Mayor Pro Tem

### ***Town of Johnstown***

**Troy Mellon, Mayor Pro Tem**

### ***Larimer County***

**Kristin Stephens, Commissioner**

Alternate- Jody Shaddock-McNally, Commissioner

### ***Town of LaSalle***

**Paula Cochran, Trustee**

### ***City of Loveland***

**John Mallo, Councilmember**

### ***Town of Milliken***

**Elizabeth Austin, Mayor**

### ***Town of Severance***

**Frank Baszler, Councilmember**

Alternate- Matt Fries, Mayor

### ***Town of Timnath***

**Lisa Laake, Trustee**

### ***Town of Windsor***

**Paul Rennemeyer, Mayor**

Alternate- Ken Bennett, Mayor Pro Tem

### ***CDPHE- Air Pollution Control Division***

**Jessica Ferko, Manager, Planning & Policy Program**

### ***Colorado Transportation Commission***

**Kathleen Bracke, Commissioner**

Alternate- Heather Paddock, Region 4 Director



Dedicated to protecting and improving the health and environment of the people of Colorado

**July 2022 Report from the Air Pollution Control Division to the  
North Front Range Transportation and Air Quality Planning Council  
Thursday, August 4, 2022**

**Air Pollution Control Division (Division) Updates**

- The Division has initiated an enforcement action against a Weld County oil and gas facility. This comes after the state's advanced air monitoring tools showed a pattern of rising emission levels at Cub Creek Energy's Knight Pad location. See the press release for additional information: <https://cdphe.colorado.gov/press-release/state-health-department-uses-innovative-technologies-to-identify-air-pollution>.
- The Department of Justice, the Environmental Protection Agency (EPA), and the State of Colorado today announced a settlement with DCP Operating Company LP and five other subsidiaries of DCP Midstream LP that will strengthen leak detection and repair practices at eight natural gas processing plants in Weld County. See the press release for additional information: <https://cdphe.colorado.gov/press-release/justice-department-epa-and-state-of-colorado-settlement>.
- A friendly reminder that the Division maintains various Air Quality Alert email lists, including Colorado Air Quality Health Advisory alerts. For additional information and to subscribe to an email list, please visit <https://cdphe.colorado.gov/public-information/air-quality-advisories>.

**July 21, 2022 Air Quality Control Commission (Commission) Meeting:**

- The Commission set a hearing to consider revisions to Regulation Number 22 establishing a recovered methane protocol and establishing a greenhouse gas crediting and tracking system in response to SB21-264.
- Representatives of the Health Effects Institute briefed the Commission and the Colorado Oil and Gas Conservation Commission regarding their independent research on air quality and noise around oil and gas well sites in the North Front Range.
- Representatives from Boulder, Longmont, Erie and Broomfield provided a briefing regarding ambient air quality monitoring being overseen by these respective local governments.

**August 18, 2022 Commission meeting:**

- The Division will request that the Commission set a hearing to consider revisions to the Regional Haze SIP. The EPA regulations require each state to submit a report to EPA every five years that evaluates the progress towards the reasonable progress goal for each class I area.
- Representatives of the Regional Air Quality Council will brief the commission regarding the process by which the state conducts state implementation planning.



Commission meeting materials are available at: <https://cdphe.colorado.gov/aqcc>





Date: August 3, 2022

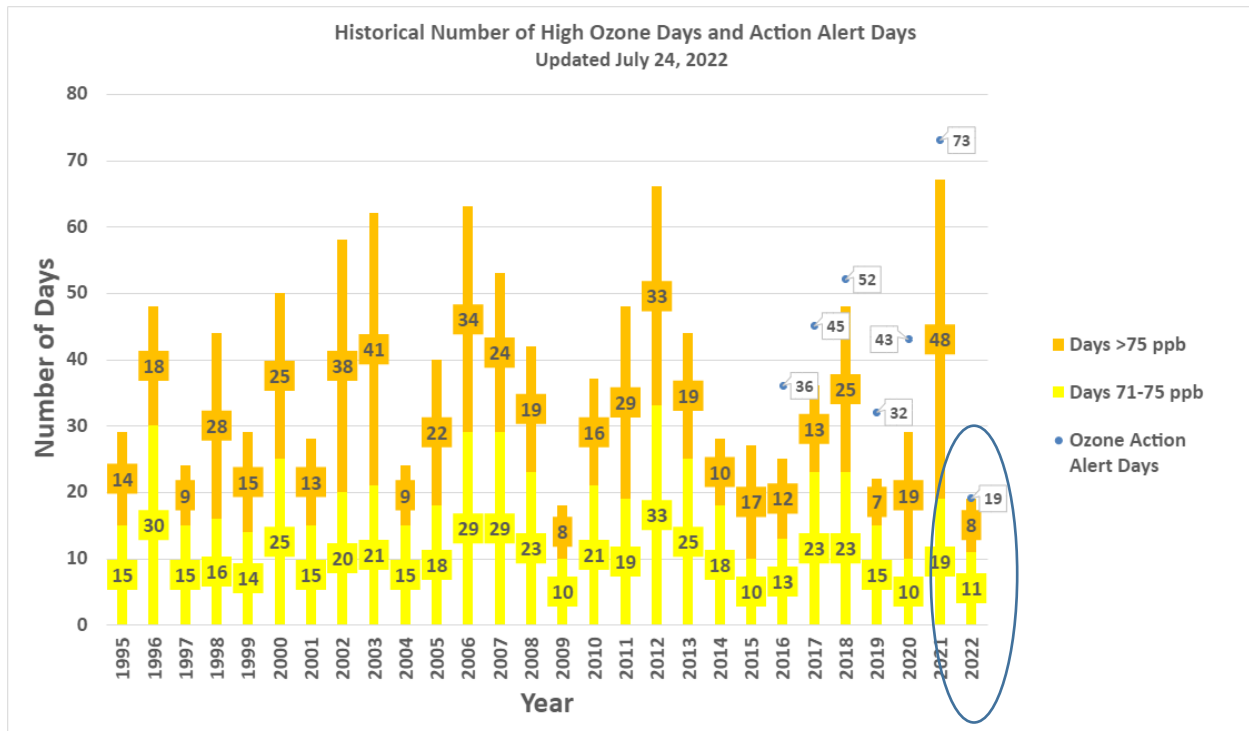
From: Mike Silverstein  
Executive Director

To: North Front Range Metropolitan Planning Organization

Subject: Monthly Meeting Briefing Memo

**Ozone Season Update**

So far we have experienced exceedance-level ozone conditions on 19 different days this summer, and fortunately, we haven't recorded a 4<sup>th</sup> maximum value above the 75 parts per billion standard at any of our monitoring sites. With another month and a half to go, we anticipate additional elevated ozone levels, so our collective emission reduction efforts and taking those **Simple Steps** continue to be important! Staff will provide the latest ozone monitoring data at the August RAQC Board meeting.



### **Ozone Plan Public Hearing and Board Consideration**

In July the final draft plan for both ozone standards, **2008: 75 parts per billion and 2015: 70 parts per billion**, was presented to the Board and the public. The Plan now moves to the next phase where Board Members provide their feedback and the public is invited to provide comment. Staff appreciates the written comments already submitted by the public and some Board Members. All submitted public comments and staffs' responses will be made available prior to the **August 5 Board Meeting**.

At the August Board meeting, staff will provide a summary presentation of the proposed plan, the public will present their perspectives, and the Board will consider approving the Plan for advancement to the Colorado Air Quality Control Commission.

The ozone Plan concludes that:

- the region **can** comply with the less stringent 75 ppb standard by the mandatory 2027 due date with the present and planned emission control strategies; and
- the region **cannot** comply with the more stringent 70 ppb standard by the mandatory 2024 due date, nor is compliance projected by 2027.

This great news that the Plan projects attainment on schedule for the 75 ppb standard is tempered by the knowledge that the region needs to do more to realize the full benefits of cleaner air.

In addition to considering the **Ozone State Implementation Plan revision** for approval, the Board will also be asked to consider a **Preface Document** which charts out a path for the RAQC, forcefully committing us to assessing a wide variety of new emission control options and quickly advancing those that merit consideration. The stated goal is to achieve compliance with both ozone standards as quickly as possible, but no later than 2027.

## MEMORANDUM

**To: NFRMPO Planning Council**

**From: Becky Karasko**

**Date: August 4, 2022**

**Re: 2045 RTP Update and Greenhouse Gas (GHG) Analysis**

### Background

At the July Planning Council meeting, NFRMPO staff presented updated GHG modeling analysis for the 2045 RTP Update as well as three options for achieving compliance with the GHG Planning Standard for 2040 and 2050. Additional review of the three options and the fiscal constraint requirements of the 2045 RTP Update have been completed. Please see the attachment for an update on the GHG modeling analysis.

As a reminder, the adoption and submittal schedule for the 2045 RTP Update has been revised:

- TAC Preliminary Discussion: July 20, 2022
- Planning Council Preliminary Discussion: August 4, 2022
- TAC Discussion of the 2045 RTP Update and GHG Transportation Report: August 17, 2022
- Planning Council Discussion: September 1, 2022
- Transportation Commission Workshop Discussion: September 14, 2022
- Transportation Commission Action: September 15, 2022
- TAC Action: September 21, 2022
- Council Action: October 6, 2022

The GHG Transportation Report must be submitted to the Air Pollution Control Division (APCD) and the Transportation Commission (TC) prior to Planning Council's scheduled adoption of the 2045 RTP Update by 45 days and 30 days, respectively, as specified in the GHG Planning Standard. This means the GHG Transportation Report will be submitted to APCD and TC in mid-August and the August 4, 2022 Planning Council is the last opportunity for Planning Council to provide direction prior to submitting the report for review by APCD and TC.

### Action

Staff requests Planning Council members discuss the GHG strategies and modeling analysis.





## **2045 RTP Update: GHG Modeling Analysis as of 8/3/2022**

### **Required Reductions**

The NFRMPO is required to update the 2045 RTP to comply with the GHG Planning Standard specified in the Code of Colorado Regulations ([2 CCR 601-22](#)). The GHG Planning Standard set GHG reductions levels compared to the current long-range transportation plan for the NFRMPO in four compliance years. The GHG reduction levels range from 0.04 million metric tons (MMT) in 2025 to 0.12 MMT in 2030, with reduction levels between those extremes for 2040 and 2050, as shown in **Table 1**.

The GHG reductions are relative to baseline GHG emissions. The baseline is the forecasted GHG emissions of the NFRMPO's 2045 RTP, adopted September 3, 2019. Baseline GHG estimates for the 2045 RTP are shown in **Table 1**, as well as the GHG reduction percentage for each compliance year. Given the NFRMPO's travel model currently only extends to 2045, not 2050, estimates for 2050 are extrapolated from 2045 using methodology developed by CDOT and APCD to set the GHG reduction levels for 2050 in the GHG Planning Standard.

**Table 1. GHG Reduction Levels in Million Metric Tons (MMT) by Compliance Year**

<b>NFRMPO</b>	<b>2025</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>
<b>GHG Reduction Level</b>	0.04	0.12	0.11	0.07
<b>Baseline GHG Estimates (2045 RTP)</b>	1.73	1.60	1.22	0.82
<b>GHG Reduction Percentage</b>	2.3%	7.5%	9.0%	8.5%

### **GHG Strategies**

The 2045 RTP and its associated modeling identify the major capacity projects, including major roadway and transit capacity expansion, that are planned for the region through 2045. The region will also invest in other critical elements of the transportation system, such as local bicycle and pedestrian facilities, Transportation Demand Management (TDM) programming, and enhancements to transit service, such as mobility hubs, which were not captured in the 2045 RTP as adopted or modeled. These investments have an impact on the GHG emissions from transportation.

To address the gap, NFRMPO staff has identified planned investments in GHG-reducing transportation strategies and incorporated them into the region's future transportation system modeling. Incorporating these investments into the model provides a more comprehensive picture of the region's transportation system and allows for the interactions between different travel choices to be more accurately represented. By identifying these strategies in the 2045 RTP Update, they can be used to demonstrate compliance toward the new GHG Planning Standard.

Modeling results demonstrate the region meets the required GHG Reduction Levels in 2025 and 2030 based on the strategies identified in **Table 2**. Achieving the GHG Reduction Levels in 2040 and 2050 require additional strategies compared with 2030 due to the higher GHG Reduction Percentage in those years



compared with 2030. Three options for achieving compliance in 2040 and 2050 are identified in **Table 2**. These options include:

- More intensive Transportation Demand Management (TDM) programs
  - TDM Programs Light: up to 1% of reduction in drive alone trips based on trip type and location
  - TDM Programs Moderate: up to 2% of reduction in drive alone trips based on trip type and location
- Half fare or free fare transit service
- Transit Signal Priority (TSP) on select transit routes
- Converting signalized intersections to roundabouts

**Table 2. Proposed Sets of GHG Strategies Achieving Compliance by Compliance Year**

Strategy	2025	2030	2040/2050		
			Option A	Option B	Option C
Planned Transit Service Expansion	X	X	X	X	X
Planned Mobility Hubs and Transit Centers	X	X	X	X	X
Work From Home Increases	X	X	X	X	X
Arterial Signal Timing Improvements		X	X	X	X
Bicycle and Pedestrian Improvements, ebikes/scooters		X	X	X	X
TDM Programs – Light		X		X	
TDM Programs – Moderate			X		X
Half Fare Transit Service			X		
Fare Free Transit Service				X	
TSP on Select Routes				X	
5 Roundabouts*					X
25 Roundabouts*				X	

*\*Roundabouts are not able to be captured in the NFRMPO’s Regional Travel Demand Model and are only approved to be used in the GHG Compliance process as Mitigation Measures, which requires the completion of a Mitigation Action Plan by the NFRMPO and Annual Reporting Requirements.*

Staff presented Options A-C to Planning Council at their July 7, 2022 meeting. The direction staff received was to look at roundabouts and arterial signal timing. Following the meeting, staff reviewed the options, and to maintain fiscal constraint for the 2045 RTP’s, is recommending Option A. **Table 3** shows the elements in each option as well as the cost estimate for implementation.



**Table 3. 2040/2050 Compliance Options**

Option	Cost Estimate	Additional Reporting Requirements*
<b>A – Moderate TDM and Half Fare Transit</b>	<b>\$74M</b>	<b>N</b>
B – Light TDM, Fare Free Transit, Transit Signal Priority, 26 roundabouts	\$305M	Y
C – Moderate TDM and 5 Roundabouts	\$58M	Y

\*Additional Reporting Requirements refers to the Annual Status Report required for the Mitigation Action Plan, if the NFRMPO was required to complete one to meet the GHG Reduction targets.

Staff completed the GHG Analysis for 2040 and 2050 using Option A and as a result, the NFRMPO meets and in 2050 exceeds, the reduction requirements. **Table 4** shows the GHG Emissions Reduction Results for each of the four compliance years.

**Table 4. GHG Emissions Results, Million Metric Tons (MMT) per Year**

	2025	2030	2040	2050
<b>Baseline Plan: 2045 RTP, 2019</b>	1.73	1.60	1.22	0.82
<b>Updated Plan: 2045 RTP, 2022 Update</b>	1.68	1.48	1.11	0.72
<b>Reduction</b>	<b>0.05</b>	<b>0.12</b>	<b>0.11</b>	<b>0.11</b>
<b>Required GHG Reduction Level</b>	0.04	0.12	0.11	0.07
<b>Pass/Fail</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>
* Some numbers in this chart may not add correctly due to rounding.				