



AIR & WASTE MANAGEMENT
A S S O C I A T I O N

Rocky Mountain States Section

Colorado, New Mexico, Wyoming, Utah, Eastern Nevada

2023 Air Quality Conference

**Emerging Issues Around
Air Quality and Waste in
the Rocky Mountain States**

November 2, 2023

Denver Marriott West, Golden, Colorado

7:30 - 8:00 AM **BREAKFAST & REGISTRATION**

8:00 AM **OPENING REMARKS**

Gregg Thomas, RMSS Section Chair

8:10 - 9:30 AM **AIR & WASTE MANAGEMENT**

The W in AWMA: The Outlook for Waste Diversion in Colorado

David Snapp, Solid Waste and Materials Program Manager, CDPHE

Leveraging Machine Learning in Air Quality and Waste Management: Practical Applications and Use Cases for Data-Driven Decision Making

Kyong B. Song, Barr Engineering

Methane Reduction Initiatives, Laws, and Regulations: An Overview

James Van Horne, SLR International

9:30 - 9:55 AM **ENVIRONMENTAL JUSTICE & COMMUNITY AIR MONITORING**

How Environmental Justice Alters Air Permitting

Melissa Green, Weaver Consulting Group

9:55 - 10:20 AM **VENDOR VISITATION BREAK
SNACKS AND REFRESHMENTS**

10:20AM - 12:00PM AIR MONITORING, RISK ASSESSMENT, OUTREACH

Breathe Easy: How Love My Air Engages Denver Communities through Air Quality Monitoring and Communication

Brendan Lawlor and Ephraim Milton, Denver Department of Public Health and Environment

Commerce City, the Most Polluted ZIP Code in the U.S.?

Detlev Helmig, Boulder A.I.R.

Data-driven Decisions, Strategies, and Policies through a County-level Air Quality Monitoring Program

Annareli Morales and Dan Joseph, Weld County Department of Public Health and Environment

A Proposed Risk-Based Screening Assessment Framework for Evaluating Exposures from Unconventional Oil and Gas Development Emissions

Debra Kaden, Ramboll

12:00 - 12:50 PM LUNCH

12:50 - 2:00 PM MEET THE CDPHE DIVISION DIRECTORS

Panel Discussion with the Division Directors of CDPHE Addressing Near Term Priorities (e.g. next 18 months)

Michael Ogletree, Air Quality
Nicole Rowan, Water Quality
Tracie White, Hazardous Waste and Materials
Jeff Lawrence, Environmental Health and Sustainability

2:00- 2:50 PM OZONE & PRECURSORS

Ozone and Volatile Organic
Compounds at Carlsbad Caverns
National Park, New Mexico

Andrey Marsavin, Colorado State
University

Uintah Basin Air Quality Update -
Wintertime Ozone

Bob Hammer, SLR International

**2:50 - 3:15 PM VENDOR VISITATION BREAK
SNACKS AND REFRESHMENTS****3:15 - 4:55 PM OZONE & MODELING**

Autonomous Network of Low-Cost
PM2.5 and Ozone Sensors to Study
Spatial Distribution and Exposure in
Underserved Agricultural
Communities

Akshay Kumar, Colorado State
University

Overview of Monte Carlo Statistical
Techniques in Air Quality Modeling

Jason Reed, Ramboll

Collaborative Expert Review of the
DenverJulesburg Basin Oil and Gas
Emission Inventory for Ozone NAAQS
Planning in northern Colorado

Tom Moore, Regional Air Quality
Council (RAQC)

3:15 - 4:55 PM **OZONE & MODELING
CONTINUED**

Precursor Emissions Control Strategy **Ralph Morris**, Ramboll
Evaluation: Weighted Emissions
Potential / Area of Influence /
Potential Source Contribution
Analysis in the Denver Metro / North
Front Range Ozone NAAQS
Nonattainment Area

4:55 - 5:00 PM **CLOSING REMARKS**

Gregg Thomas, RMSS Section Chair

5:00 PM **NETWORKING MIXER**



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Data Collection



Live Streaming



Gained Knowledge

The program works to improve outdoor air quality by increasing air pollution awareness and expanding air quality monitoring.

GET EXCITED TO
LOVE MY AIR IN YOUR COMMUNITY!

Why should I get involved?

Do you know someone with asthma, COPD, or a heart condition? Do you know a child or elderly adult that is sensitive to air pollution?

Exposure to air pollution can cause health impacts for everyone!



Sources of air pollution



Protect your health!

Get access to real time air quality information & alerts.

Learn about Denver's air quality and how to reduce your pollution exposure by checking out our website and app by scanning the QR Code!



What Can I Do?

If you are interested in participating, please contact:

Ephraim Milton | Outreach Coordinator
ephraim.milton@denvergov.org

FOR MORE INFORMATION ABOUT OUR WORK:

[Denvergov.org/lovemyair](https://denvergov.org/lovemyair)

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- Colorado Air Pollution Prevention & Control Act Section 25-7-101

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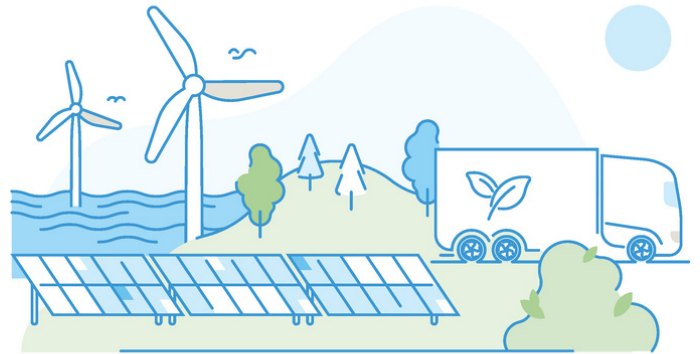
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The Regional Air Quality Council is the lead air quality planning agency for the nine-county Denver Metro/North Front Range Ozone Non-Attainment Area.



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