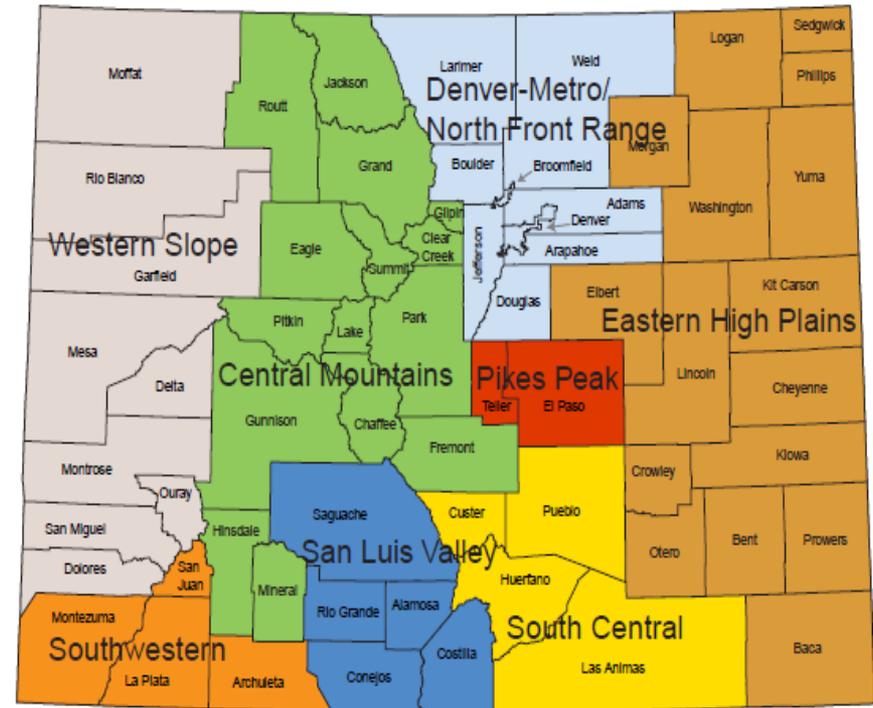




Western Colorado Regional Air Quality Collaboration: New Member Review

Background

- “Piecemeal” Effort
 - Active Involvement
 - Level of Air Quality Issues
 - Population Interests & Dynamics
- Mesa County Air Quality Planning Committee



State Air Quality Inventory & Planning Regions

Purpose(s) & Goals

- Promote Consistency and Collaboration regarding air quality issues in local communities, cities, and counties
- Education and Outreach
- Direct point of contact for local governments
- Regional Proactive Approach
- Focus
 - Central Mountains
 - West Slope
 - San Luis Valley
 - Southwestern
 - Cities also welcome to participate

Review of Collaboration Topics

- Air Quality Communications
- Supplemental Environmental Projects (SEPs)
- County Emission Inventories
- Model for Open Burn Management Plan(s)
- Potential Changes to Colorado AQCC Regulations
- Energy Development Overview
- Air Quality Awareness Week materials
- Review of AQCC Retreat in Grand Junction
- Overview of Field Services Unit

Collaboration Topics

- Air quality forecast communication
 - Air Quality Index (AQI)
 - Information methods
 - Awareness of statewide advisories
 - Regional airshed explanation
 - Social media participation
 - Tips for when air pollution is expected to be high



AirNOW, CDPHE Listservs, etc.

- CDPHE is working on a specific listserve and EnviroFlash expansion for Colorado communities (regional scale) and/or specific advisory events (i.e. blowing dust, wildfires, area-specific events such elevated ozone levels)
- Currently, the best place to check for any advisories is at: http://www.colorado.gov/airquality/colorado_summary.aspx under “Other Areas”
 - **Statewide advisories are currently issued**
 - **Examples:**
 - **Wildfire Smoke Health Advisory**
 - **Blowing Dust Advisory**
 - **(Future) Ozone and Fine Particulate Advisory**

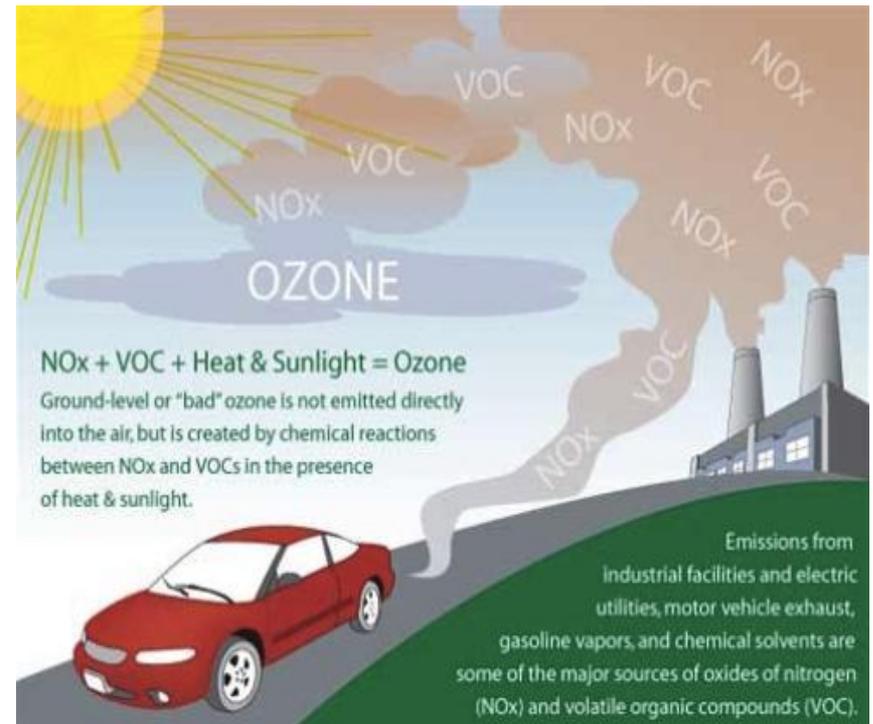
Collaboration Topics

- Introduction to Supplemental Environmental Projects (SEPs)



Collaboration Topics

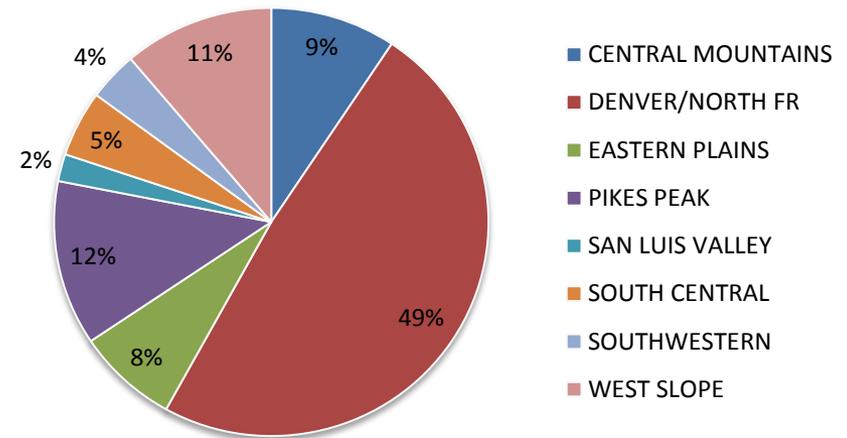
- County Emission Inventories
 - What pollutants are emitted in your region and county?
- Educational and outreach opportunity
- Annual Statewide Inventory Basis
 - 2010 data
- Source categories & attributions



Collaboration Topic: County Emission Inventories

- Pollutant Specific
- Carbon monoxide
 - Primarily from mobile sources (~75%)
 - Aircraft, trucks, automobile, non-road mobile, and railroads
 - Wildfires (biogenic) (~10%)
 - Woodburning (~7%)
 - Oil and gas fuel combustion (~3%)
 - Other fuel combustion (< 5%)
- Central Mountains and West Slope contribute ~20% statewide

Statewide CO Regional Summary



2010 data

Collaboration Topics

- 5th call: Routt County discussed a new model for Open Burn Management Plans
 - Challenges of two permits (Environmental Health and Fire District)
 - Coordinating inspections and agencies
 - Developed unified plan and intergovernmental agreement



Collaboration Topics



- Call #6 – 2013 Colorado Air Quality Control Commission Regulation Changes
 - Pursue adopting remainder of EPA’s rules (NSPS 0000)
 - Part of larger package to reduce potential state administrative burdens
 - Additional enhancements to state’s existing oil and gas rules
 - Focus APEN and/or permitting resources on sources with greatest potential air quality impacts in Colorado

Collaboration Topics

- Call #6 – 2013 Colorado Air Quality Control Commission Regulation Changes
 - Clarify and streamline methodology for determining de minimus reporting
 - Crude oil storage tank exemption revisions to identify and learn more about a potentially significant source of emissions
 - Regulatory certainty for air pollution sources subject to federal rules by adding clarity
 - More information:
<http://www.colorado.gov/cs/Satellite/CDP/HE-AP/CBON/1251635574914>



Collaboration Topics

- Call #7 – Energy Development Overview & Air Quality Awareness Week
 - Focus on oil and gas development
 - The link to air quality
 - Current & recent health studies
 - Outline state agency roles and consultation program





Collaboration Topics

- Call #8 – AQCC Retreat
Summary & Overview of
Field Services Unit
 - Reviewed Commission
Discussions and notes from
industry & government
officials
 - Evening public forum

AQCC Grand Junction Public Forum

- Recurring Topics
 - Natural gas challenges, increased drilling concerns
 - EPA Advance Program participation
 - Study in Delta County for personal exposure to natural gas “fingerprint” chemicals
 - Wintertime inversions in Grand Valley
 - Diesel truck/vehicle/off-road vehicle emission concerns and pilot testing requests
 - Best Available Control Technology for all new oil and gas development
 - Open Burning in spring/fall in Grand Valley
 - Agricultural burning
 - Pinon Ridge Uranium Mill modeling
 - Local dust storms and resident health issues
 - Colorado National Monument air quality standards
 - Wildfires vs. controlled burns



APCD Field Services Unit

- Inspects industrial sources
- Observes emissions testing
- Investigates complaints
- Issues Open Burning Permits
- Enforcement actions against violators of state AQ regulations
- Provided list of inspectors by county and management contacts
- Overview by Marley Bain



Tangible Results

- New Air Quality Forecasting Region – Colorado River Valley – May 2012
- Participation in Western Colorado Association of Environmental Health Officers meetings & objectives
- Discussion of changes to West Slope SEP award process
- PM_{2.5} monitor in Delta County – installed December 2012
- Mesa County Examination of similar Open Burn Management to Routt County
- Assisted EH directors and staff with various questions and topics
 - Controversial sources in their areas
 - Woodburning tips and information
 - Open Burning Fact Sheet
 - Inventory requests and explanations



**Next call:
(tentative)
Permitting perspectives
Residential Wood Burning
September 23: 1 PM**

Thank you!

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