

**TEMPORARY MORATORIUM ON PROCESSING OF  
APPLICATIONS FOR OIL & GAS DEVELOPMENT  
IN THE UNINCORPORATED COUNTY:  
TO EXTEND OR OTHERWISE AMEND**

No further public comment will be taken today.

Board of County Commissioners  
November 13, 2014 9:30 a.m.

# Studies underway

| NAME OF STUDY  | PERFORMED BY   | FUNDING  | AREA OF STUDY   | DATE OF CONCLUSION |
|--|--|--|---|--------------------|
| <b>Boulder County Air Quality Monitoring Study</b>               | <b>University of Colorado (CU)</b>                       | <b>Boulder County</b>                          | <b>Air Quality and Monitoring Techniques</b>            | <b>2015</b>        |
| Study of Hydraulic Fracturing on Drinking Water                  | U.S. Environmental Protection Agency (EPA)               | US Congress                                    | Water Quality   | 2015 (projected)   |
| <b>Garfield County Gas Emissions Study</b>                       | <b>Colorado State University (CSU)</b>                   | <b>CDPHE, Garfield County, Local Industry</b>  | <b>Air Emissions</b>                                    | <b>2016</b>        |
| North Front Range Oil and Gas Emissions Study                    | Colorado Department of Public Health and the Environment | Legislative Appropriation                      | Air Emissions   | 2016               |
| <b>Air, Water, Gas - CU, NSF Sustainability Research Network</b> | <b>CU</b>  | <b>National Science Foundation</b>             | <b>Air Quality, Water Quality, and Societal Impacts</b> | <b>2017</b>        |
| Front Range Air Pollution and Photochemistry Experiment (FRAPPE) | CDPHE, CU, CSU, UC Berkely, NASA, NOAA, NCAR             | CDPHE, NASA, National Science Foundation       | Air Emissions   | 2017 (pojected)    |
| <b>Platteville Monitoring</b>                                    | <b>CDPHE</b>   | <b>EPA-funded State Air Monitoring Program</b> | <b>Air Emissions</b>                                    | <b>Ongoing</b>     |
| Colorado Water Watch   | CSU  | CSU, COGCC, DNR, Noble Energy                  | Water Quality   | Ongoing            |

# Studies not underway

- Health risk screening analysis
  - Using EPA-approved methodology assessing the increased cancer risk from the emissions data collected in the CU NSF, CDPHE Front Range, and FRAPPE/Discover AQ studies.
  - Timeframe: 2018-2019.
- Analysis of impact of front range oil & gas operations on health
  - Collecting and characterizing reported issues associated with oil & gas operations and impacts to health and well-being. Conducted by CDPHE.
  - Timeframe: 2018

# Potential Regulatory Amendments

- Spill and release notification requirements
- Revisiting use of zoning authority
- Oil & gas in floodplain
- Multi-well pads and intensively developed operations sites
- Updates related to recent state rulemakings (COGCC and AQCC)
- Concrete vaults

# Staff Recommended Amendment to Moratorium Resolution

“In the event of a spill or release which threatens or has the potential to impact waters of the state, the operator shall contact emergency dispatch and the Director immediately.”

