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1800 GLENARM PLACE

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SUITE 1100

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DENVER, CO 80202

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Phone 303.861.0362

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WWW.COGA.ORG

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June 29, 2023

**VIA EMAIL – NO ORIGINAL TO FOLLOW**

ATTN:

Diane Kocis, Arapahoe County Energy Specialist (DKocis@arapahoegov.com)

RE: Colorado Oil & Gas Association Comment to Draft Arapahoe County Oil and Gas Regulations

Dear Diane Kocis:

The Colorado Oil & Gas Association (“COGA”) appreciates the opportunity to provide comments on Arapahoe County’s (“County”) proposed amendments (“Draft Regulations”) to the County’s oil and gas regulations. COGA looks forward to providing additional, constructive input as the County moves forward in drafting and ultimately adopting new regulations in accordance with state law. As explained below, COGA is concerned that, among other things, the Draft Regulations are unnecessarily restrictive and create impractical requirements not grounded in scientific need. COGA encourages the County closely to examine our attached redline of the Draft Regulations for additional detail and input beyond what is contained herein, as this letter does not exhaust COGA’s concerns.

**I. The Proposed 1-Mile Setbacks Requirements Are Overly Restrictive**

The Draft Regulations’ one mile setback from existing or planned water reservoirs found in Section 1-1.F.2.d. (“Water Reservoir Setback”) is not reasonable or necessary to protect public health, safety, welfare, or the environment and wildlife resources. The Water Reservoir Setback requirements go well beyond the extremely rigorous rules already adopted by the state’s technical experts in oil and gas, the Colorado Oil and Gas Commission (“COGCC” or “Commission”)<sup>1</sup> and may carry unintended consequences. While COGA recognizes that local governments have the

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<sup>1</sup> COGA recognizes that COGCC will change its name to the Energy and Carbon Management Commission (“ECMC”) effective July 1, 2023. Any future references to ECMC are inclusive of references to COGCC/the Commission herein.

authority to regulate the surface impacts of oil and gas development more stringently than the state, this authority is not unfettered. Local government surface impact regulations must still be reasonable and necessary.<sup>2</sup>

**a. The Water Reservoir Setback Is Not Supported by Science**

COGA is concerned by the Water Reservoir Setback because it is unreasonable, unnecessary, and not supported by science. During the COGCC “Mission Change” Rulemaking, the COGCC, in close consultation with the Water Quality Control Division (“WQCD”), amended prior Rule 317B into current Rule 411 and set a conservative setback from surface water supply areas. Under Rule 411.a.(2)i. operators may not conduct any new surface disturbance within an area between 0 and 1,000 feet hydraulically upgradient from the water source. The Statement of Basis, Purpose, and Specific Statutory Authority (“SBP”) to Rule 411 explains the Commission’s finding that even “larger volume spills or releases are highly unlikely” to migrate 1,000 feet. Based on this finding, arrived at after extensive consideration of scientific literature and party testimony on top of consultation with the WQCD, “[t]he Commission accordingly adopted the 1,000 foot internal buffer to provide a reasonably protective margin of error to protect public health from potential spills and releases.” There is no COGCC setback for oil and gas facilities downgradient of surface waters.

COGA also takes issue with the language providing that the Water Reservoir Setback “may be” reduced with approval of the reservoir owner or operator. First, this gives the reservoir owner and operator too much authority. The setback should be based on hydrological science, not the whim of a reservoir owner or operator. Second, should a variation of this language persist in future regulation drafts, there is no reason why approval should not automatically reduce the setback. This draft language states that the setback permissively “may” be reduced, but doesn’t explain under what circumstances it would not be reduced.

A setback of at minimum one mile for an upgradient oil and gas facility is an illegal, unsupported policy choice, and a downgradient oil and gas facility setback is likewise egregious and improper. Instead, the County should adopt language to clarify an upgradient setback of 1,000’—as is consistent with COGCC and WQCD findings—and allow downgradient oil and gas operations to proceed within 1,000’ where hydrologic data supports a lesser setback.

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<sup>2</sup> Local governments have the authority to regulate “the surface impacts of oil and gas operations in a *reasonable manner* to address matters specified in this subsection (1)(h) and to protect and minimize adverse impacts to public health, safety, and welfare and the environment.” C.R.S. § 29-20-104(1)(h) (emphasis added). Local government regulation is limited to that which is “necessary and reasonable” to protect or minimize the previously stated impacts. *Id.*

## **b. Planned Water Reservoirs Should Not Be Included in the Water Reservoir Setback Provision**

COGA is concerned that the Water Reservoir Setback purports to apply to “planned” water reservoirs in addition to existing reservoirs. A planned reservoir may never come into being. Or, the reservoir’s construction timeline might be such that an oil and gas operator could drill and complete wells before the reservoir is even constructed. Including planned reservoirs in the Water Reservoir Setback is an unnecessary provision that is not reasonable to protect future reservoir owners’ and operators’ interests. Once a planned reservoir becomes an existing reservoir, it will qualify for consideration under the Water Reservoir Setback provision. This is reasonable and still serves to protect existing reservoirs as the County intended.

As an alternative to the County’s Draft Regulations, COGA recommends that the County adopt the language it has provided for Section 1-1.1.F.2.d. *See Exhibit A.* This would create a 1,000’ setback from existing water reservoirs and provides for a lesser setback to be considered where geologic features support that a lesser setback is appropriate. This language is consistent with COGCC’s changes to current Rule 411 and represents the combined wisdom of the COGCC and WQCD. It would provide heightened protections for water reservoirs that are in keeping with scientific evidence without imposing undue burdens on Colorado’s energy sector.

## **II. The Provision Finding Violations under Federal and State Law Is Duplicative**

COGA finds the provision in Section 1-1.1.B. to be unreasonable and unnecessary. This provision allows the County to prosecute violations of state and federal law and is problematic because it could easily lead to duplicative and inconsistent enforcement actions. The County is the proper arbiter of its rules, whereas other state and federal agencies are the appropriate entities to determine whether there has been a violation of their respective schemes and what the outcome should be. The County lacks insight into state or federal agencies’ enforcement policies and cannot prosecute violations with the nuance expected of those laws’ seasoned experts. Foisting this responsibility on to the County runs a palpable risk that its enforcement actions will not be in keeping with the desires of the state and federal bodies in charge of overseeing the applicable laws’ enforcement. COGA also observes that the language uniquely purports to allow the County to enforce state and federal law, whereas in the many other instances where the County’s regulations refer to state and federal law, the County never purports to give itself enforcement of the same.

## **III. The Access Road Standards Need Common-Sense Exceptions**

The criteria for when alternative access roads are required Draft Section 1-1.1.F.11.b. are vague. The criteria’s ambiguity could lead to unnecessary surface disturbance to construct a secondary access road that is unnecessary to ensure that

traffic can circulate in the event of an emergency at an oil and gas facility. COGA encourages the County to adopt the alternative language it has provided for Section 1-1.1.F.11.b. See Exhibit A. This language has been proposed to reflect the intent of this provision, which is to ensure an emergency at an oil and gas facility does not impede general traffic circulation.

## **Conclusion**

COGA is proud the Colorado oil and gas industry leads the technological and safety advancements that make our state a national and global leader in developing the resources we use every day. The state's rules and regulations have set a high bar for our employees and companies to protect public health, safety, welfare, the environment, and wildlife, while also preserving jobs and opportunities for tens of thousands of Coloradans and their families. Going beyond the state's rules without a demonstration of their need and reasonableness flouts the law. COGA encourages the County to revise its Draft Regulations in a manner consistent with state law, that is, to revise the provisions discussed herein and in the attached such that they are reasonable, necessary, and supported by available science.

Thank you for your consideration of our comments and the included redline of the proposed regulations.

Sincerely,



William Groffy  
Director of Regulatory and Legislative Affairs  
Colorado Oil and Gas Association

cc (via email): Julia Rhine, Outside Counsel to COGA, [jrhine@bhfs.com](mailto:jrhine@bhfs.com)  
Mark Mathews, Outside Counsel to COGA, [mmathews@bhfs.com](mailto:mmathews@bhfs.com)

25809269.1



June 29, 2023

***VIA EMAIL – NO ORIGINAL TO FOLLOW***

Diane Kocis, Arapahoe County Energy Specialist (DKocis@arapahoegov.com)

RE: Civitas Resources, Inc’s Comments to Draft Arapahoe County Oil and Gas Regulations

Dear Ms. Kocis,

Civitas Resources, Inc. (“Civitas”) thanks you for your continued work and welcomes this opportunity to comment on Arapahoe County’s (“County”) proposed amendments to Chapter 5 of the County’s Land Use Development Code (“Code Amendments”). Civitas’s constituent companies have years of experience operating in the County and have forged strong community and philanthropic bonds here. As the state’s first carbon neutral operator, Civitas looks forward to continuing to operate responsibly and efficiently in the County for years to come and offers its comments to the Code Amendments below with that in mind.

Civitas supports the County’s desire to protect water resources. However, the proposed one-mile setback from existing or planned water reservoirs found in Draft Section 1-1.F.2.d. (which should not be revised to include additional types of water sources beyond reservoirs) has no basis in hydrologic and technological realities. Specifically, as the Colorado Oil and Gas Conservation Commission<sup>1</sup> (“COGCC”) found when promulgating the setback from surface water supply areas in COGCC Rule 411, spills and releases are “highly unlikely” to migrate 1,000 feet from well locations, even in the case of “larger volumes” of spills or releases.

The proposed one-mile reservoir setback, which is over five times the state’s already conservative analogous setback, is unnecessary to protect water quality and public health because, in the unlikely event of a spill escaping pad containment, fluids cannot be reasonably expected to travel that distance, especially if the oil and gas facility is downgradient of the reservoir or is otherwise isolated by topography from the reservoir. Moreover, the risk that a spill or release capable of leaving an oil and gas facility and migrating into a water source will occur has been drastically minimized over the past few years because of improved industry best management practices and heightened state requirements. Relevant requirements include, among others, stringent wellbore integrity rules and heightened rules regarding secondary containment.

Civitas also notes that extending setbacks to reservoirs that are “planned” is problematic. Reservoir permitting and construction is a decades-long process that requires significant capital backing and approvals from numerous agencies. Applying broad setbacks from water

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<sup>1</sup> The COGCC will be renamed as the Energy and Carbon Management Commission on July 1, 2023.

bodies that may never be built, and whose construction may lie decades in the future after oil and gas operations are concluded if they are, is over-restrictive and does not fairly balance stakeholders' land use entitlements.

Civitas is also concerned by Draft Section 1-1.1.B., which purports to grant the County authority to prosecute violations of state and federal law. The County does not have authority to enforce state or federal law. Had it the authority, the County attempting to enforce state or federal law may lead to duplicative and inconsistent enforcement actions. Moreover, Civitas notes that Draft Section 1-1.1.B would be an outlier to the rest of the County's Code in that the Code frequently requires operators/applicants of all sorts of uses to comply with state and federal law, yet not in one single instance does the Code provide that the County will enforce state and federal law. It is unreasonable and unnecessary to treat the oil and gas industry differently from other uses.

Civitas recommends modification of Draft Section 1-1.1.F.11.b. to ensure that unnecessary and unreasonable surface disturbance and damage associated with secondary access does not occur on private property. A mandatory second access road should not be regularly required. If an Operator evaluation determines that a residential building owner's access may be affected by an emergency at an oil and gas facility, then the Operator should have the ability to address this evaluation during the permitting process with County Staff and in consultation with Emergency Responders. The Code Amendments language should be clarified to make this distinction.

In addition to our specific comments herein, Civitas also endorses the comments of the Colorado Oil & Gas Association and their associated redline of the Code Amendments.

Civitas looks forward to continuing its participation in the County's regulatory update process and anticipates providing additional comments, either in writing or at public hearing as the process continues. Thank you for your consideration of our comments. Please let us know if you have any questions regarding our positions.

Sincerely,



Dan Harrington  
Asset Development Lead  
Civitas Resources

cc: Jost Energy Law, P.C. – Jamie Jost



*Maxwell Blair  
Regulatory Manager  
GMT Exploration Company LLC  
4949 S. Niagara St. Suite 250  
Denver, Colorado 80237  
720-862-4503  
mblair@gmtexploration.com*

June 29, 2023

Re: 2023 Draft Oil and Gas Rules

Dear Arapahoe County,

GMT values the opportunity to provide written comment on the proposed amendments to Arapahoe County Oil and Gas Regulations. As discussed at the industry stakeholder meeting on 6/15/23, GMT would appreciate some clarifications to the proposed text to ensure the adopted regulations are clear to applicants, staff, and the public. I have attached a redlined version of the draft regulations that were published on the County website. I believe these minor changes will help improve the clarity of the proposed changes.

Additionally, I would like to provide comments on the information that was shared at the stakeholder meeting regarding Aurora Water and Pure Cycle Corporation facilities.

Reservoir Setbacks:

We learned that Aurora Water is encouraging the County to adopt new setbacks from reservoir facilities. We believe the existing State setbacks are adequately protective of existing and future reservoirs. Aurora Water has confirmed that these reservoirs are hydraulically isolated from the surrounding lands, which limits the potential for surface contamination from all sources, including oil and gas development. The Colorado Oil and Gas Conservation Commission (COGCC) has numerous rules in place to prevent and limit the potential of surface spills from oil and gas facilities.

Water Facilities definition:

The County has indicated that Aurora Water provided comments that would expand the definition of infrastructure.

“facilities to include Water infrastructure should include water treatment/purification facilities, water mains, wells, and reservoirs.”

We believe the water providers have since clarified their comments, and do not wish for Arapahoe County to adopt a setback from water wells. In any event, Arapahoe County should not adopt this language and should not establish a setback for these types of facilities or infrastructure. There is no risk posed by oil and gas development to these types of facilities. There are currently no State setbacks from any of these facilities, and no known cases of damage

caused by development. If Arapahoe County adopts this proposed definition, it would eliminate large areas of the County from Oil and Gas development.

Setback distances:

The County has received comments suggesting three new categories of setbacks from oil and gas facilities to water infrastructure. However, no party has demonstrated a need for these setbacks. We suggest that Arapahoe County should rely on the existing State rules that are designed to avoid, minimize, and mitigate environmental impacts from oil and gas development, including water resources.

If you have any questions or require additional information, please feel free to contact me for more information. I look forward to continuing to work with the County on these regulations.

Sincerely,

GMT Exploration Company LLC

*Maxwell Blair*

Maxwell Blair  
Regulatory Manager

Encl(1)

Arapahoe County Rule Amendments  
Comments of Renegade Oil & Gas Company, LLC  
June 29, 2023

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General

This rulemaking is completely unnecessary (as will any Phase II rulemaking) as the concerns of the County and interested parties can be addressed through Conditions of Approval attached to an individual application as necessary.

Arapahoe County, in conjunction with the State of Colorado, have regulations that are more than protective of the public interest.

Definition of Water Infrastructure

The attempt by the water providers to expand this definition is a huge overreach and, given the condensed timeframe that this process has adopted, wholly unfair to the stakeholders.

What started out as knee-jerk reactions to oil and gas drilling near some neighborhoods and the Aurora Reservoir has devolved into a power grab. As stated above, current regulation of the industry is more than protective.

And once the Civitas drilling sites are applied for, approved and drilled, we don't believe this situation will ever occur again, as there are no more reservoirs in Arapahoe County.

Crypto-Mining

The definition read at the Industry Stakeholder meeting on June 15, 2023 should be scrapped. The minutiae of how bitcoin is earned is wholly irrelevant to this topic.

A definition of what occurs on an oil and gas location can be as simple as, "Electric Generation for Onsite Computing." This covers cryptocurrency mining, cloud services and other remote computing operations.

### Handwashing Supplies

Including this in land use rules and regulations doesn't pass the smell or giggle test and reeks of nannyism. Oil and gas drilling companies have been providing for the onsite needs of their employees for many decades. Codifying this degree of micromanagement is ridiculous.

### Comments from Other Industry Stakeholders

While we have not reviewed the specific comments, based upon the discussion at the Industry Stakeholder meeting, Renegade generally supports the comments of other industry stakeholders.



June 29, 2023

Arapahoe County  
Board of County Commissioners  
5334 S. Prince Street  
Littleton, CO 80120

Submitted via: DKocis@arapahoegov.com

RE: Proposed Oil and Gas Amendments

Dear Commissioners,

The American Petroleum Institute Colorado (API Colorado) respectfully submits the following comments on the proposed oil and gas regulations put forth by Arapahoe County (the county). API Colorado appreciates the efforts by the county to consider stakeholder feedback and we look forward to working with county staff and commissioners on this matter.

The American Petroleum Institute (API) represents all segments of America's oil and natural gas industry. API was formed in 1919 as a standards-setting organization and has developed more than 800 standards to enhance operational and environmental safety, efficiency and sustainability. Its nearly 600 members produce, process, and distribute most of the nation's energy. Member companies are producers, refiners, suppliers, marketers, and pipeline operators as well as service and supply companies.

Our state continues to be home to some of the most stringent regulations in the oil and gas industry. API Colorado encourages alignment with the Colorado Oil and Gas Commission's (COGCC) rules including the use of consistent definitions, standards, and practices. Clear guidance and feasible requirements help ensure operators can continue to meet those requirements in an efficient and effective manner. Many of the recommendations currently set forth by the county are duplicative of those put forth by the COGCC. Left in its current form, operators could face unclear and duplicative standards. For these reasons, API Colorado suggests the following revisions.

**A. Intent and Applicability**

Senate Bill 19-181 provided local government with additional authority over oil and gas operations, and we remind the county that its authority is limited to surface impacts and must be both necessary and reasonable. We want to thank the county for its acknowledgment of this and for including the reasonable and necessary provisions in its draft regulations. API Colorado also appreciates the county's efforts to facilitate business development while protecting public health, the environment, and wildlife.



## **D. Administrative Approval Criteria**

### **5. Facilities on Arapahoe County Owned Property**

The county requests an alternative location analysis (ALA) for operations that take place on county property. We note COGCC permitting rules already require alternative location analyses in many cases including proximity to water sources. To meet these requirements, operators typically evaluate multiple alternative locations. We recommend the county rely on the ALA requirements put in place by the COGCC to prevent unnecessary duplication, or at a minimum, work to ensure the county's ALA requirements align with the COGCC's requirements. Additionally, COGCC's rules provide multiple opportunities for local governments to collaborate with the COGCC on things such as alternative analyses, and we strongly encourage the county to avail itself of those opportunities.

Additionally, the proposed rules note that when an ALA demonstrates non-county-owned land is technically feasible and can meet requirements, the application on county land will be denied. However, a location that is technically feasible may also have negative characteristics. For example, another location may be in proximity to residential building units or high priority habitat. While such a site may be technically feasible, its selection may be less protective of public health and the environment than a site on county property. Instead, API Colorado suggests that the county work with COGCC and operators to identify sites that are both technically feasible and minimize adverse impacts.

## **E. Administrative Process**

### **2. Neighborhood Meeting and 3. Application Notice Requirements**

The proposed provisions require notices to be sent to property owners and occupants within one mile of a proposed site. However, we note that the frequency of tenant turnover may make it difficult for operators to acquire the most recent tenant names and addresses. We ask that the county allow alternative forms of notification outside of U.S. mail to help mitigate these challenges. API Colorado also notes the onus falls on the operator to determine if someone other than the homeowner occupies a property, which may be difficult to ascertain.

## **F. Standards Required for Oil and Gas Facilities**

### **2. Setbacks**

Draft regulations set a 2,000 ft. setback from the nearest boundary of a platted lot on properties smaller than 15 acres. In these cases, this could constitute a setback from a residential building at a much greater distance than 2,000 ft., which may limit the county's and operators' ability to identify feasible locations.

#### **2.b.iii. Variances**

While we appreciate the county's efforts to allow variances for setbacks, we note the analysis needed to determine substantial equivalent protections is highly technical and one that is already conducted by the COGCC. Rather than duplicating efforts, we suggest that the county rely on, and participate in, COGCC's process.

#### **2.d. Water Reservoir Setbacks**

Currently, the proposed setback requirement extends to existing and planned reservoirs. We note it is inherently difficult to determine what reservoirs may be planned. Therefore, we suggest that this provision be limited to existing reservoirs. API



Colorado also seeks justification for the setback distance being set at one mile. This far exceeds any other setback requirements in the state of which we are aware.

### 3. Health and Safety Requirements

#### f. Reportable Chemicals

This provision requires operators to provide the Office of Emergency Management (OEM) and the fire district with a list of all reportable chemicals on site. We seek further clarification on this provision, specifically the extent of this requirement.

#### m. Incident Reporting

API Colorado recommends further clarification around what defines an emergency. Due to the broad and subjective nature of the current language, "all emergencies" and "all reportable incidents", we recommend the county define an emergency as an incident requiring immediate medical attention.

We ask the county to consider the regulations set forth by the state as it continues its efforts. API Colorado appreciates the opportunity to provide comments on these proposed changes, and we look forward to working with the county and its staff in developing standards for safe and reliable operations.

Sincerely,

A handwritten signature in black ink that reads 'Alejandra Major'.

Alejandra Major  
Associate Director  
majora@api.org

## Ava Pecherzewski

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**From:** William Donovan <Donovan@petroleum-eng.com>  
**Sent:** Thursday, June 29, 2023 10:34 PM  
**To:** Diane Kocis  
**Cc:** Pritchett, Ron  
**Subject:** RE: Will you have any written comments on our handful of O&G rules to submit before midnight tonight?

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello, Oil and Gas Regulators of Arapahoe County,

I have lived in Colorado and Arapahoe County for most of my adult life. Colorado is a great place to live; we want the best for Colorado, specifically Arapahoe County. Your objectives in regulating oil and gas operations are commendable, but your approach is, at best hostile and counter-productive. First, the mineral estate is just as much property as the surface estate. Still, these proposed regulations are not about safety, clean water, or clean air but an attempt to prevent access and beneficial use of property owners to their property. I might posit that the oil and gas industry contributes as much or more to the betterment of Arapahoe County than the gaming, cannabis, and alcohol industries, which have a less stringent and hostile regulatory environment.

There has been a remarkable revolution in oil and gas operations in the last few years. The proposed regulations should embrace this new paradigm instead of proposing more stringent setback requirements. Please consider setting aside 40 acres zoned for oil and gas development in the center of every five square miles. There are 805 square miles in Arapahoe County. Thirty-two, 40-acre zoned oil and gas sites would be sufficient to exploit every prospective oil and gas reservoir in Arapahoe County. That is a total of two square miles or 0.25% of Arapahoe County's surface zoned for oil and gas development. After the Marshall fire, Ron Pritchett and I calculated that the drill pad in the center of five square miles and in the burn scar could generate as much as \$600 million in severance taxes to the local taxing districts, including the County. Of course, oil and gas is a risk industry, and tax revenue is not certain until the wells are depleted. As the Planning Commission, you would be tasked to determine these zoned areas. Also, surface owners willing to be in these zoned oil and gas areas could be compensated from a percentage of proceeds. This concept is not new; Union Pacific Rail Road gave "phantom overrides" to surface owners with some conditions. I believe the stipulations were the proximity to the well pad, home ownership, and that the home was the owner's principal residence.

The access road standards and alternative access could be better thought out and are cost-prohibitive. It is galling that this proposal reached this level without one whit of risk analysis. Remember, a massive drilling rig that weighs hundreds of tons was moved on the access road. Also, how many Colorado drilling accidents required an alternative road, and was the alternative road built to such load requirements? Let us look to data-driven solutions. If you think you have an orphaned well problem now, try restoring land with a road built to these requirements.

Finally, I have lived on a drilling rig as a permanent staff. All the permanent support staff are provided trailers with potable water, bathrooms, and toilets. The drilling crews and the temporary service providers use the porta-potties and have access to hand washing. The roughneck wives would raise hell if their loved ones came home with greasy and dirty hands. This is a regulation in search of a problem. A visit to a drilling rig for your staff might be in order.

I am a licensed Professional Engineer in the State of Colorado. I take my charge, which is “3.1.1 - Primary Obligation of Licensees. Licensees shall at all times recognize that their primary obligation is to protect the safety, health, property, and welfare of the public.” seriously. Please contact me if you have any questions. Thank you for your time and consideration.

- ✓ One-mile setbacks from existing and planned reservoirs (unless downgradient conditions can clearly be demonstrated);
  - ✓ Access road standards to match current fire code standards;
  - ✓ Alternative emergency access roads for pads located in areas with only one way in and one way out;
  - ✓ Handwashing supplies for workers at oil and gas sites;
  - ✓ Allow natural gas-powered cryptocurrency mining as an accessory use to oil and gas facilities; and (property rights)
  - ✓ Additional application information, including a project narrative, photo simulations and documentation of floodplain, wetlands and riparian area boundaries. (zoning)
- Operation of oil and gas facilities in compliance with all applicable federal, state and local laws and regulations. (leave for lawyers)

William (Bill) S. Donovan  
8232 S Peninsula Dr  
Littleton, CO 80120  
(720) 351-7470  
[donovan@petroleum-eng.com](mailto:donovan@petroleum-eng.com)

# COLORADO GEOLOGICAL SURVEY

1801 Moly Road  
Golden, Colorado 80401



Matthew L. Morgan  
State Geologist and  
Director

July 3, 2023

Diane Kocis  
Energy Specialist  
Arapahoe County Planning Division  
DKocis@arapahoegov.com

**Subject: Review of Proposed Phase 1 Land Development Code Oil and Gas Amendments  
Arapahoe County, CO**

Dear Diane:

The Colorado Geological Survey has reviewed the proposed Phase 1 Land Development Code Oil and Gas Amendments that will be discussed at a stakeholders Teams meeting on Friday, July 14, 2023.

I don't see anything in the redlines that CGS would object to, but I do recommend rethinking the revision to Section F. Standards Required for Oil and Gas Facilities, 2. Setbacks, b. iii.

"If an Oil and Gas Facility application that includes a lesser setback is submitted, it must be approved by the BOCC through the USR process..."

I am concerned that this could be construed to mean that approval is mandatory, which I don't think is the intent. I think reviewed would be better here than approved.

If you have questions or require further review, please call me at (303) 384-2643, or e-mail carlson@mines.edu. See you on the Teams meeting next Friday.

Sincerely,

A handwritten signature in black ink, appearing to read "Jill Carlson".

Jill Carlson, C.E.G.  
Engineering Geologist



**COLORADO**  
Division of Water Resources  
Department of Natural Resources

July 6, 2023

Diane Kocis  
Arapahoe County Public Works and Development  
Transmitted via email: [DKocis@arapahoegov.com](mailto:DKocis@arapahoegov.com)

**RE: Phase I Oil and Gas Rules**

Dear Diane Kocis:

We have reviewed the information provided by email on July 3, 2023, regarding the proposed Phase I Oil and Gas Rules. To the extent that water is used for oil and gas operations such water must be from a source that can legally be used for that purpose. Therefore the County may want to consider whether to also request the source of water for the Oil and Gas facility as part of the Application process.

Should you have any questions, please contact me at this office at 303-866-3581 x8265 or [joanna.williams@state.co.us](mailto:joanna.williams@state.co.us)

Sincerely,

Joanna Williams, P.E.  
Chief of Water Supply, Designated Basins



**From:** Fury - CDPHE, Kate <kate.fury@state.co.us>  
**Sent:** Wednesday, July 5, 2023 2:36 PM  
**To:** Diane Kocis <DKocis@arapahoegov.com>  
**Cc:** cdphe\_oghealth@state.co.us  
**Subject:** Re: Can you think of anyone at CDPHE who would review our Phase 1 proposed rules (see below)

Hi Diane,

We generally do not provide comments on proposed local government regulations, although we do provide assistance during development, as time permits.

Sorry I don't have better news for you.

Kate

On Mon, Jul 3, 2023 at 6:34 PM Diane Kocis <[DKocis@arapahoegov.com](mailto:DKocis@arapahoegov.com)> wrote:

Hi Kate,

I've been asked by my managers to get CDPHE written comments on our proposed Phase I Oil & Gas rules in the form of a letter on CDPHE letterhead. Can you think of anyone at CDPHE (WQ or elsewhere) who would be willing to provide comments? If CDPHE has no comments, that's fine too, as long as that is on letterhead. I've also copied the CDPHE Oil & Gas concerns email address.

Below are the Phase 1 proposed rules topics and I've attached the rule redlines, in case you want to see the text.

Relationship to State of Colorado Rules:

The Operation of a Facility in violation of any applicable federal, state, or other local law or regulation that results in adverse or negative surface impact(s) on or to public facilities and services, water quality and source, noise, vibration, odor, light, dust, air emissions and air quality, land disturbance, reclamation procedures, cultural resources, emergency preparedness and coordination with first responders, security, or traffic and transportation shall constitute a violation of the Land Development Code which may be enforced by law as other violations of the Land Development Code.

Neighborhood Meeting:

The applicant shall send notification of the meeting to the Planning Division and to all property owners of record, all occupied residences if occupants are different from record owner, and all registered homeowners' associations for residential subdivisions where any portion of the platted subdivision's boundary is within one mile of the proposed facility pad boundary.

Additional Application Information:

Applications shall include an application narrative, photosimulations of the view of the well pad from nearby properties and documentation of floodplain, wetlands and riparian area boundaries.

Application that includes a lesser Setback:

If an Oil and Gas Facility application that includes a lesser setback is submitted, it must be and approved by the Board of County Commissioners through the Use by Special Review process.

Reservoir Setbacks: (Don't know if you'd use Aurora Reservoir as a source of water to fight fires).

At least one mile from existing or planned water reservoirs, unless the applicant can demonstrate that the Oil and Gas Facility is downgradient from the reservoir, in which case a 2,000 foot setback may apply. With approval from the reservoir owner or operator, the setback may be reduced to the 500-foot setback applicable to other perennial surface water bodies.

Post-Incident Meeting:

In addition to the formal incident report, a post-incident meeting shall be required with County staff. The date, time and location of the post-incident meeting shall be determined by the Public Works and Development Director.

Access Road Standard:

Prior to commencing construction of the Oil and Gas Facility, the Operator shall connect the site via an access road designed to support an imposed load of 80,000 pounds that will accommodate emergency response vehicles such as, but not limited to, law enforcement, emergency command vehicles (cars/SUVs), ambulances, hazardous materials response vehicles, water tenders, and fire apparatus during construction and operation of new tank batteries, new drilling activity and reworks or recompletions of existing wells, unless a local fire department or fire district agrees in writing to a different or lesser standard for the access road.. Access roads shall be constructed to be at minimum least twenty (20') feet wide with at least six (6") inch road base

Second part:

If an Oil and Gas Facility site incident could prevent emergency access on public or private roads, the Operator shall construct an alternative access road meeting these standards.

Post-Incident Meeting:

In addition to the formal incident report, a post-incident meeting shall be required with County staff. The date, time and location of the post-incident meeting shall be determined by the Public Works and Development Director.

Handwashing Facilities:

Operator shall provide hand washing facilities meeting Arapahoe County Public Health Department requirements at portable restrooms during drilling and completion operations.

And, crypto-mining, or data centers, will be allowed on oil and gas pads, by adding it as an approved use in our Land Use table of the Land Development Code.

Here is our definition of Crypto-Mining:

Cryptocurrency Mining The operation of specialized computer equipment for the primary purpose of adding, securing, or verifying transactions to a peer-to-peer network, also known as a blockchain, or mining one or more blockchain-based cryptocurrencies (a form of electronic currency). This activity typically involves large networks of decentralized computer servers that work together around the world to perform calculations and solve algorithms as part of the development and maintenance of a blockchain which is a type of distributed virtual ledger maintained on a peer-to-peer network. Typical physical characteristics of cryptocurrency mining include specialized computer hardware; the use of equipment to cool the hardware and operating space; and high density load electricity use.

Thanks in advance for whatever CDPHE can provide.

Sincerely,

I am working a hybrid schedule with in-office days and remote work days. Email is the best way to reach me but you can also reach me on my County cell phone at 720-425-0422.

*Diane Kocis*

Energy Specialist

Arapahoe County Planning Division

[dkocis@arapahoegov.com](mailto:dkocis@arapahoegov.com)

Notes from Meeting with Lynn Robbio- Wagner 6-29-23. Arapahoe County Public Health re Stakeholder Input

- Shared a quick look at Citizen and Industry comments
- Discussed letters from EPA and CDPHE about drilling under LLSS unlined cells.
- Per Lynn: Civitas could volunteer not to drill under the unlined cells. The might risk being named as a as a responsible party if anything happened.
- RE Civitas already moved pads further from reservoirs, but typography limitations and State Land Board constraints (SLB has a 3-tiered O&G requirements, see below) and SLB has cultural constraints re Indian heritage so it's not possible to move pads further from reservoirs. Whoever owns the dams could agree to a lesser setback- this might be in the current AC regulation.
- SLB's 3 tiers for O & G development: Financial benefit to O & G lease if they choose to develop on land already disturbed. i. e. Cheaper to develop on land that's been disturbed, then land that's somewhat disturbed and (most expensive) land that's not disturbed. SLB has cheaper development fees for disturbed areas. Lynn might have the SLB guidance document and will forward it. As a side note: An Indian burial site was discovered near Powhattan and County Line/Pine (just west of the entrance of Black Stone in 2019. <https://sentinelcolorado.com/Otrending/aurora-construction-workers-discover-remains-of-centuries-old-native-american-man/>)
- EPA, CDPHE, WM and Denver Attorneys are discussing liability of drilling and how it may effect superfund site.
- Could there be a new language or a Condition of Approval on the Civitas permit approvals for no drilling under unlined cells? Such as no development under unlined hazardous material pits such as Lowry?
- On the Lowry Bombing range the remedial action has been for unexploded ordinances 20 mm rounds and up. O & G development should have a plan for if they unearth any ordinance and a notification to locals, CDPHE and Feds. This would be good to add a requirement to O & G regulation as well.
- RE a water well setback in the proposed rules, a OWTS has a setback of 100 ft setback well to septic system. It is currently measured from the well head on the surface – there is a large water well protection factor in the measurement since the water is drawn from the depth of the well. i.e. 400 feet, 600 feet or for instance 1000 ft.
- RE crypto-mining: Lynn asked, are they using CO-GEN plants? Are they going to use 16 cylinder engines (used at compressor sites and also at the LLSS Gas to Energy plant) run data center engines? If so, who is going to permit the use of the engine? The data center or the O & G facility? And who applies for the use by special review? If the data center has to permit and meet Title 5 requirements, it might not be profitable. The gas is used to fuel/fire the engines that makes the electricity for the data center is what this sounds like but I could be wrong since this is a new concept. Diane mentioned that Ed from Renegade said that Amazon and Google are interested in using natural gas at well pads to run their data centers.
- Lynn said most data centers have air permits for the backup generators and they are permitted on their potential to emit if ran 365 days for 24 hours. It is unknow how they will be affected by new air quality rules at this time.

15151 E. Alameda Parkway, Ste. 3600  
Aurora, Colorado 80012  
303.739.7370



Arapahoe County Planning Commission,

Thanks for your interest in Aurora's perspective on setback requirements between Oil and Gas activity and our critical water infrastructure. Aurora has existing setback requirements that we have applied in Operator Agreements and Aurora City Code (Chapter 135 - Oil and Gas Manual).

Aurora requires a 1-mile setback from all existing or planned reservoir sites and a 500 foot setback from a Water Source or Critical City Infrastructure. Critical Infrastructure has been defined to include "all existing or planned critical public utility infrastructure, including all source water pipelines, potable waterlines (16" diameter and greater), sanitary sewer pipelines (24" diameter and greater), storm sewer pipelines (or box culverts) greater than 36", water tanks, pump stations, lift stations, and bridges. Water Sources focuses on floodways, as defined by FEMA, and permanent City underground storage facilities. Water Sources does not currently include large City potable water supply wells, but the City is contemplating making that addition. The Aurora requirements were established to be conservatively protective, and the review process includes the ability for the applicant to apply for variances from the criteria based on providing appropriate data on site-specific conditions.

We understand that there have been some questions regarding the 1-mile setback from existing or planned reservoirs. Aurora established these criteria to be protective in all situations and therefore included a variance process to be able to consider smaller setbacks where they may be appropriate. While there may be multiple conditions that should be evaluated for any Oil and Gas well siting, one of the most important considerations from a water perspective is the hydraulic gradient (both surface and subsurface) between the proposed Oil and Gas well and the water reservoir. Another important consideration for planned reservoirs would be the state of the planning (is it a concept, has permitting been completed, has it been designed, etc.). For a proposed Oil and Gas well that is clearly downgradient from a water reservoir, Aurora Water would consider a setback of less than 1-mile based on site-specific data.

Please let me know if you have any questions.

Thanks.

A handwritten signature in blue ink, appearing to read "M. Brown". The signature is stylized and includes a horizontal line extending to the right.

Marshall Brown,  
General Manager of Aurora Water



July 5, 2023

Ms. Diane Kocis  
Energy Specialist  
Arapahoe County Planning Division  
Via email: dkocis@arapahoegov.com

Re: Oil & Gas Regulations

Dear Ms. Kocis;

Rangeview Metropolitan District would like to forward comments on the proposed setback requirements for Oil & Gas activities in unincorporated Arapahoe County:

- Rangeview supports the one-mile setback from existing or Planned water reservoirs, unless the applicant can demonstrate that the Oil & Gas Facility is downgradient from the reservoir, in which case a 2,000 foot setback may apply.
- With approval from the reservoir owner or operator, the setback may be reduced to the 500-foot setback applicable to other perennial surface water bodies.

In addition to the reservoir setback requirements, Rangeview supports a 500-foot setback requirement from existing and planned Water Infrastructure, defined as “water wells, water storage facilities, pump stations, lift stations, treatment facilities, maintenance facilities, water fill stations, diversion structures, and data communication infrastructure”. Rangeview appreciates the County’s review of setback requirements for Water Infrastructure and supports the ability for an applicant to apply for variances to these set back limits with site-specific conditions which may apply in a case-by-case basis.

If you have any questions, please do not hesitate to contact me.

Sincerely,

A handwritten signature in blue ink, appearing to read "Mark Harding", is written over a light blue horizontal line.

Mark Harding  
President

## 5-3.6. Use By Special Review – Oil and Gas Facilities

### A. Intent and Applicability

1. The intent of this Section 5-3.6 is to describe the approval process and approval criteria to locate an Oil and Gas Facility in unincorporated Arapahoe County and to regulate the surface impacts of an Oil and Gas Facility's operations to such extent as is reasonable and necessary to protect public health, safety, and welfare and the environment in accordance with the authority provided under SB19-181. Any Oil and Gas Facility and related site preparation or development, including any such Facility that requires a Colorado Oil and Gas Conservation Commission ("COGCC") permit, shall not be located, constructed, or operated within the unincorporated jurisdiction of Arapahoe County without first obtaining Administrative Use by Special Review or Use by Special Review approval in accordance with the Arapahoe County Land Development Code, regardless of the zone district or category in which the operation will be located. If permitted in accordance with the requirements of the Arapahoe County Land Development Code, Oil and Gas Facilities are allowed in all zone districts, including Planned Unit Developments, subject to obtaining all required Federal, State, or other Local permits and approvals, and also subject to continued compliance with the requirements for the Oil and Gas Facility and the operations thereof as set forth in this Land Development Code, unless and to the extent waived or otherwise exempted pursuant to this Land Development Code.
2. The Administrative Use by Special Review process available as provided under this Section 5-3.6 shall apply only to an "Oil and Gas Facility" as defined in Chapter 7-2 of this Land Development Code.
3. Nothing in this Section of the Land Development Code is intended to waive or modify any applicable provision of the Arapahoe County Regulations Governing Areas and Activities of State Interest (1041 Regulations).
4. All Oil and Gas development authorized by this section shall comply with applicable provisions of the Arapahoe County building and engineering standards, including but not limited to, the Floodplain Regulations, the Building Code, the Grading, Erosion, and Sediment Control (GESC) Manual, the Stormwater Management Manual, the Stormwater Ordinance, and the Infrastructure Design and Construction Standards.

### B. Relationship to State of Colorado Rules

To the extent that there are differing standards or any conflict between an Arapahoe County requirement and any State of Colorado law, regulation or rule, the stricter standard or law, regulation or rule shall apply.

### C. Relationship to Section 5-3.4 of the Land Development Code

1. This Section provides for an Administrative Use by Special Review process for Oil and Gas Facilities, so that if an applicant meets administrative approval criteria, as set forth in this Section 5-3.6, and obtains approval pursuant to the process set forth herein, then separate approval under Section 5-3.4.B (Use by Special Review) of this Land Development Code is not required.
2. As an alternative to the Administrative Use by Special Review process set forth in this Section for approval to locate a proposed Oil and Gas Facility in unincorporated Arapahoe County, an applicant may submit an application in compliance with Section 5-3.4 (Use by Special Review), except to the extent modified in 5-3.6.J of this Section. Any Oil and Gas Facility approved through the USR process in Section 5-3.4 as modified by Subsection J of this Section 5-3.6 shall be subject to and operate in compliance with the Operational Standards specified in subsection F of this Section 5-3.6.
3. This Section, and Section 5-3.4 for a USR application if applicable, shall govern all applications for a permit to locate, construct or operate an Oil and Gas Facility, including wells, well pads, access roads and other related infrastructure, within the unincorporated jurisdiction of Arapahoe County. These regulations do not apply to pipelines, gathering systems or transmission lines. Pipelines,

gathering systems and transmission lines are governed by the Use by Special Review process outlined in 5-3.4 and by the Arapahoe County 1041 Regulations.

#### **D. Administrative approval criteria**

In order to obtain Administrative Use by Special Review approval for an Oil and Gas Facility, an applicant shall first satisfy the following Administrative Review Criteria:

1. Satisfy Submittal Requirements: The application and exhibits for the Administrative Use by Special Review must satisfy all applicable submittal requirements in this Section 5-3.6 and in the Development Application Manual.
2. Compliance with Land Development Code Requirements: The proposed Oil and Gas Facility must comply with all siting and design requirements and standards specified in this Section 5-3.6.
3. Environmental/Public Health and Safety Impacts: The proposed Oil and Gas Facility must be designed to protect against and minimize adverse impacts to public health, safety, and welfare and to the environment. The Oil and Gas Facility must address and mitigate any site-specific conditions that, by reason of oil and gas operations at that location, present a risk of adverse impacts to the public health, safety, or welfare, or to the environment. Approvals may be conditioned in accordance with these regulations to the extent necessary and reasonable to protect the public health, safety, or welfare and the environment.
4. Emergency Service Providers: The Oil and Gas Facility applicant must provide a commitment to serve (“will serve”) letter from the authority having jurisdiction for providing emergency services (fire protection and emergency medical services) for that facility, or if no authority has jurisdiction, provide proof of a contract for emergency services from an emergency services provider with the ability to provide such emergency services.
5. Facilities on Arapahoe County Owned Property: For Oil and Gas Facilities proposed on Arapahoe County owned property, including open space property, the applicant shall provide an Alternative Location Analysis (ALA) for the proposed location that meets the requirements of Rule 304(b)(2)(C). as adopted by the Colorado Oil and Gas Conservation Commission in its Rules and Regulations, as amended from time to time. In the event such ALA demonstrates that a location not on County owned property is technically feasible and can meet the requirements of this Land Development Code for approval, the application for location on County owned property may be denied. In the event the ALA demonstrates that no location other than on the County property is technically feasible, the application shall be processed as a USR in accordance with the provisions of Section 5-3.4 and Section 5-3.6.J of the Land Development Code.

#### **E. Administrative process**

1. Application Process
  - a. Applications for an Administrative Use by Special Review for proposed Oil and Gas Facilities will follow the application process outlined in Section 5-2.1.B of the Land Development Code, Common Procedures for an Application.
  - b. Once a complete application has been submitted, County staff will refer the application for review to the various divisions of the PWD and other Arapahoe County Departments or Offices, as deemed appropriate. An application may require and will be referred for review to outside agencies such as Colorado Parks and Wildlife (CPW), any life-safety providers, adjacent jurisdictions, local public health department, the U. S. Army Corps of Engineers, and others as may be deemed appropriate.
  - c. The applicant shall provide a written response to all staff and referral agency comments.
  - d. Upon completion of the referral process and acceptance of the final copy of the complete application and exhibits by the PWD, the application materials will be forwarded for final review to the PWD Director.
2. Neighborhood Meeting

Prior to submitting an application to Arapahoe County, the applicant shall conduct a neighborhood meeting to describe and take neighbors’ input on the proposed Oil and Gas Facility. The applicant shall send notification of the meeting to the Planning Division and to property

owners and registered homeowners' associations within one mile of the proposed facility pad boundary. Meetings may be conducted in person or utilizing an electronic virtual or remote meeting platform. Notice of the meeting must be sent no less than 15 days prior to the scheduled meeting date. At said meeting, the applicant must provide information concerning the development plans for the specific facility, including the timing and phasing of construction, drilling and completion, the planned access route, and mitigations planned to address noise, light, odor, traffic, and visual impacts. The applicant shall include with its application for the proposed facility a summary of the neighborhood meeting and the list of attendees from the sign-in sheet(s).

**3. Application Notice Requirements**

- a. The applicant shall provide written notification by U.S. Mail to all property owners of record, all occupied residences if occupants are different from record owner, and all registered homeowners' associations for residential subdivisions where any portion of the platted subdivision's boundary is within one mile of the pad boundary of the proposed Oil and Gas Facility that an application for an Administrative Use by Special Review for an Oil and Gas Facility, will be filed with the County. The Notice of Application shall meet the format prescribed by the County and shall be mailed at the time of filing the application with the County. The property owners of record shall be those identified in the County Assessor's property records. The Planning Division will provide the applicant with the names and addresses of the homeowners' associations. The applicant shall determine whether a residence is occupied by someone other than the owner and shall be responsible for such occupants.
- b. Within five (5) days of filing its application with Arapahoe County, the applicant shall also post a sign listing the case number and type of case (Oil and Gas Facility), the phone number of the Planning Division, and the distance from the sign to the facility. The sign shall meet the format specified in Section 5-2.2.A.3 of the Land Development Code and it shall be posted for a period of at least fourteen (14) consecutive days. The sign shall be posted adjacent to and off the shoulder of the County road or other public highway, and at or near the intersection of the proposed facility's access road and the public road, outside of the right-of-way or at such other location acceptable to and approved by Planning Division staff.

**4. Application Submittal Requirements Found in the Development Application Manual (DAM)**  
Applications for an Administrative Use by Special Review or for a Use by Special Review for an Oil and Gas Facility shall also comply with all relevant submittal requirements as set forth in the Development Application Manual.

**5. Waiver Requests**

An applicant may apply for a waiver or modification of the following requirements for a proposed Oil and Gas Facility: 1) neighborhood meetings, 2) the burying of temporary water lines at driveway and gravel road intersections, visual mitigation, or 4) any other matter specifically identified as being eligible for a waiver or modification in this Section 5-3.6. A request to waive or modify a regulation shall be made in writing at the time of application and will be evaluated on the merit of the individual request. Requests must be justified by specific and extraordinary conditions of the location that make compliance with the particular standard or requirement not reasonably achievable or unnecessary and a showing that granting the request will not be detrimental to public health, safety, or welfare or the environment and is not otherwise inconsistent with the intent and purpose of the standard or requirement. A request under this Section 5-3.6.E.5 shall be submitted to the Director of Public Works and Development for decision. The applicant may appeal that decision to the Board of County Commissioners as provided in Section 5-3.6.G.7, below. A request for a waiver for a proposed Oil and Gas Facility will be decided in accordance with the provisions of this Section 5-3.6.E.5 and is not processed through the procedures for variances specified in Section 5-5.4 of this Land Development Code or subject to review by the Arapahoe County Board of Adjustment.

## **F. Standards Required for Oil and Gas Facilities**

### **1. Regular Meetings**

The Operator of any Oil and Gas Facility approved under this Section 5-3.6 or as a Use by Special Review as provided herein shall meet with the Director of Public Works and Development or his or her designee annually to monitor and discuss pertinent issues associated with the Operator's Facility or Facilities operating in the unincorporated territory of the County. At such Regular Meetings, the Operator and the Director or his or her designee will discuss the Operator's updated development plans, required reporting and recordkeeping, updates to the field-wide Emergency Response Plan (ERP), the facility-specific Emergency Action Plans (EAP) and Tactical Response Plans (TRP), outstanding training requirements, any health and safety issues, and potential implementation of new technology. An annual meeting may be conducted as a field visit to the Operator's Facility or Facilities and may be conducted more often than annually if desired by the Operator. Additional meetings in any one year may be required as necessary to address incidents, operational issues, or other issues related to the Facility or Facilities.

### **2. Setbacks**

#### **a. All Oil and Gas Facilities shall be located at least:**

- i. 2,000 feet from any occupied structure as measured from the pad boundary.
- ii. 2,000 feet from the nearest boundary of a platted lot smaller than 15 acres in area as measured from the pad boundary.
- iii. 200 feet from any adjacent property's boundary line as measured from the pad boundary.
- iv. 100 feet from public rights-of-ways as measured from the pad boundary.
- v. 2,000 feet from a Designated Outside Activity Area as measured from the pad boundary.
- vi. 2,640 feet from the nearest property line of an operating or closed landfill as measured from the pad boundary.
- vii. Outside of a 100-year floodplain or at least 500 feet from the edge of any perennial surface water body, the ordinary highwater mark of any perennial or intermittent stream or the edge of any riparian area, whichever is the greater distance, as measured from the pad boundary, unless CPW has waived or modified the setback from the stream, surface water, or the riparian area following in accordance with COGCC Rules 309 and 1202.
- viii. All access roads shall be at least 250 feet from a residential or non-residential property line, excluding light or heavy industrially zoned properties.

#### **b. The 2000 feet setbacks from occupied structures or platted lots referenced in subparagraphs 5-3.6.F.2.a.i and ii above may also be reduced to a lesser setback:**

- i. If the owner(s) of the occupied structure(s) or all owners of the affected platted lots agree in writing to a lesser setback and the fire district agrees to provide service to the Oil and Gas Facility; however, even with owner consent, in no case may the setback be reduced below 500 feet; or
- ii. If, as shown on the Oil and Gas Facility Operations Plan submitted with the application, any and all wells, tanks, separation equipment, compressors and any stored hazardous or explosive materials on the Oil and Gas Facility pad will be located or stored more than 2,000 feet from the nearest occupied structure or all affected platted lots; or
- iii. If an Oil and Gas Facility application that includes a lesser setback is submitted and approved by the Board of County Commissioners through the Use by Special Review process provided in Section 5-3.4 of the Land Development Code. For approval of any lesser setback under this subparagraph, the Operator must

establish that the lesser setback as proposed will provide substantially equivalent protection to a 2,000 foot setback and that granting the lesser setback will not adversely impact public health, safety, or welfare or the environment. In reviewing the proposed lesser setback, the Board of County Commissioners shall consider the extent to which the operator provides an alternative Oil and Gas Facility design, best management practices, control technologies, or proposes conditions of approval that will be effective to avoid, minimize, or mitigate adverse impacts on the affected properties, considering:

- (a) geology, technology, and natural features, hazards or topography; (b). the location and use of occupied structures and proximity to those structures; and
  - (b) the anticipated size, duration, and intensity of all phases of the proposed oil and gas operations at the proposed oil and gas location.
  - (c) the anticipated size, duration, and intensity of all phases of the proposed oil and gas operations at the proposed oil and gas location.
- iv. However, in no case may the 2000 feet setback from occupied structures or platted lots be reduced below 500 feet.
- c. Reverse Setbacks: No new occupied structure shall be constructed less than:
    - i. 250 feet from an existing Oil and Gas well of any status (permitted but not drilled yet, drilling, completing, producing, active gas storage, injecting, shut-in, temporarily abandoned, dry and abandoned, or plugged and abandoned prior to 2014).
    - ii. 150 feet from a plugged and abandoned oil and gas well or remaining equipment that was plugged and abandoned from 2014 onward.
  - d. Water Reservoir Setbacks: All Oil and Gas Facilities shall be located:
    - i. At least one mile from existing or planned water reservoirs, unless the applicant can demonstrate that the Oil and Gas Facility is downgradient from the reservoir, in which case a 2,000 foot setback may apply.
    - ii. With approval from the reservoir owner or operator, the setback may be reduced to the 500-foot setback applicable to other perennial surface water bodies.
3. Health and Safety Requirements
- a. The Operator must submit an initial facility-specific Emergency Action Plan (EAP) and an initial facility-specific Tactical Response Plan (TRP) with an application for any new Oil and Gas Facility. The initial EAP and the initial TRP shall be forwarded to the County Office of Emergency Management ("OEM") for approval. Provided that an Administrative Use by Special Review or full USR has been approved for the proposed Oil and Gas Facility and provided that OEM has approved the initial EAP and the initial TRP and further provided that required engineering permits have been obtained from Arapahoe County, the applicant or other Operator may commence construction of the pad and access road for the proposed Oil and Gas Facility. After the pad and access road have been constructed, the Operator shall prepare ArcGIS Shape files for the well pad and access road. The Operator shall prepare and provide to OEM a detailed EAP and a detailed TRP, which incorporate the ArcGIS information for OEM's review and approval prior to commencing any drilling at the site. OEM shall review and approve or deny approval of the detailed EAP and TRP within two weeks of submission by the Operator. The initial and detailed EAP and TRP shall follow the templates as specified in the DAM.
  - b. The EAP and TRP shall be updated annually and whenever there is any change in or need to change any of the content of the EAP or TRP, such as but not limited to, the addition or subtraction of chemicals used or stored on site.

- c. The Operator shall coordinate with the fire district having jurisdiction at the facility in establishing evacuation routes in the event of an emergency at the facility. Evacuation route considerations will include any occupied structures, platted lots, critical infrastructure, public facilities, schools, or other high-occupancy buildings that are within proximity to the oil and gas facility, and routes shall be based on guidance from the fire district and OEM.
- d. The Operator shall provide and maintain 24-hour contact information for the Operator and maintain 24-hour contact information for all contractors and subcontractors working at the facility. Operator shall provide all such contact information to the County upon request.
- e. The Operator shall maintain a Hazardous Materials Inventory Statement for all hazardous materials on site at the facility and shall provide the Statement to the fire district having jurisdiction at the facility and OEM on an annual basis.
- f. The Operator shall provide OEM and the fire district having jurisdiction at the facility with a list of all reportable chemicals used or stored on each site from the time of construction to abandonment of the facility. The list of chemicals will be updated whenever new chemicals are added or removed, and such updated list shall be provided promptly to OEM.
- g. Upon reasonable advance notice, no less than 8 hours, to the Operator, the Operator shall provide access to the fire district having jurisdiction over the facility and to County staff for inspection of the Oil and Gas Facility to determine compliance with applicable provisions of this Land Development Code, fire codes, and public safety standards.
- h. The Operator shall mark all wells and all well pads with directional signage in a conspicuous place at or near the intersection of the access road with the public road, from the time of initial drilling until final abandonment. The Operator shall maintain signs in a good and legible condition and shall replace damaged or vandalized signs within fourteen (14) days. Directional signs shall be placed at locations and shall contain directions sufficient to advise emergency crews where drilling or completion is taking place.
- i. A sign with the Operator's 24/7 contact information, COGCC complaint website, shall be placed at the entrance to the Oil and Gas Facility. All signage content shall follow COGCC regulations for such signage, except to the extent that COGCC regulations are inconsistent with the above stated County signage content requirements.
- j. The Operator shall repair any damages to County infrastructure or property caused by Operator's activities or omissions, or that is caused by any emergencies that occur at the facility, in compliance with the Operator's Road Damage Agreement.
- k. Training
  - i. The Operator shall conduct a coordinated training exercise with OEM and the fire district having jurisdiction at the facility for at least one well pad every year. If the Operator's standard well pad design layout changes, then an additional coordinated training exercise will be conducted that year and every time the standard pad design changes.
  - ii. Key personnel at an Oil and Gas Facility are required to complete the National Incident Management System (NIMS) training courses IS-100.C and IS-700.B prior to commencement of drilling operations at the Oil and Gas Facility. Key personnel shall include those employees of the Operator and any field consultants who are team leads or equivalent having supervisory authority over any of the oil and gas operations conducted at the Facility. OEM may also specify additional specific training requirements pertinent to the proposed Facility that will be required for key personnel prior to the start of drilling. The Operator shall provide to County certificates of completion of the NIMS trainings required in this paragraph at least one week prior to the start of drilling and shall provide certificates of completion for any new or replacement key personnel at a Facility within one month of the person commencing work at the Facility.

- I. Fire Prevention and Procedures
  - i. The Operator shall work directly with the fire district having jurisdiction over the facility to determine if existing response capabilities are adequate to serve the site. If additional response capabilities are deemed necessary by fire district having jurisdiction over the facility, the operator will work with the fire district having jurisdiction to provide additional fire suppression or emergency response assets needed. The operator will provide the identified assets to the fire district having jurisdiction to maintain and control for emergency response unless otherwise agreed upon in writing by both parties. The need for these additional assets shall be judged on a case by case basis per well pad and may be viewed in terms of the cumulative impact of overall oil & gas development within the fire district having jurisdiction.
  - ii. No open burning, except flaring, shall occur on the site of any Oil and Gas Facility.
- m. Incident Reporting
  - i. All emergencies shall be reported to 911 immediately upon discovery, and as soon as reasonably possible to Office of Emergency Management and the County Local Government Designee (LGD). In the case of an emergency situation where a delay caused by reporting would endanger public health, safety, welfare, or the environment or wildlife, the initial notice may be given orally. Formal incident reports are required for, but not limited to, the following incidents: spills, releases, uncontrolled release of pressure, loss of well control, vandalism, terrorist activity, fires, explosions, detonations, lightning strikes, any accidental or natural event that damages equipment, accidents resulting in fatalities, significant injuries or chemical exposures, or any condition or occurrence that threatens or harms safety on any of the Operator's facilities, including pipelines. Formal written incident reports for all reportable incidents shall be submitted to the Office of Emergency Management, the fire district having jurisdiction at the facility, and the County LGD within three (3) calendar days of the incident. When in doubt as to whether the incident is reportable, the Operator will contact the County LGD.
  - ii. The Operator shall submit copies of any initial and supplemental spill report filed with the COGCC to the County LGD, OEM, and the fire district having jurisdiction at the facility, as well as any associated remediation reports, all within three calendar (3) days of filing with the COGCC. Those copies may be submitted electronically, if electronic submission is available.
- n. Spill and Release Reporting
  - i. The Operator shall provide a copy of the Spill Prevention, Control and Countermeasures (SPCC) Plan for each facility, prepared in compliance with 40 CFR Part 112 (as amended), to the fire district having jurisdiction at the facility and to OEM prior to the start of production. The Operator shall also provide to the fire district and OEM a listing of hazardous chemicals used on site if required by the Emergency Planning and Community Right-to-Know Act (42 USC 11001, *et seq.* as amended) and related regulations. If the holding capacity of any planned on-site equipment or storage tank is changed from what is identified in the SPCC or if the listing of hazardous chemicals is changed from what was identified in the SPCC, the Operator shall update the SPCC and provide the update to the fire district with jurisdiction over the Facility, to OEM and to the LGD.

- ii. The Operator shall make available at each well pad and shall require its field staff or contractors to carry, spill response kits capable of mitigating small to mid-size spills (5 to 50 gallons).
  - iii. Operator shall submit all reports required under COGCC Rule 912.b to OEM, the fire district serving the facility, and to the LGD. Spill containment and treatment does not relieve the Operator of any spill incident reporting obligations required under these or other applicable federal, State, or local law or regulations.
  - iv. The Operator will install automated safety systems on all new facilities. Each system will include a Surface Safety Valve (“SSV”) or wellhead master control valve, installed before the commencement of the production phase and connected to the production tubing at the surface. The SSV or wellhead master control valve shall be capable of remotely shutting the well in should upset conditions be detected. The SSV will have documented, quarterly testing to ensure functionality per manufacturer’s specifications. The Operator shall maintain and keep the quarterly testing results records for at least three years and said records shall be made available to the County upon request by the PWD Director.
- o. Operator shall provide hand washing facilities meeting Arapahoe County Public Health Department requirements at portable restrooms during drilling and completion operations.
- 4. Lightning Response
    - a. If damage is sustained to any portion of a facility due to a lightning strike, the entire facility shall be shut in immediately and inspected by the Operator prior to restarting operations at the facility.
- 5. Secondary Containment for Onsite Storage Tanks
    - a. Secondary Containment is required around aboveground produced water and crude oil storage tanks and shall be constructed of steel berms with synthetic liners or earthen berms constructed of compacted soil and armored with cobbles. Secondary containment shall be of sufficient capacity and effective to contain at least 1.5 times the volume of the largest tank.
    - b. Secondary containment is required around any other aboveground storage tanks or containers of any liquid substance other than fresh water on well pads, and specifically including but not limited to solvents, methanol, fuels, coolants, antifreezes, or lubricants or lubricating oil, and shall have sufficient capacity and be effective to contain at least 1.5 times the volume of the largest tank.
    - c. All secondary containment shall be inspected for evidence of discharge weekly by the Operator or their contractors and within 48 hours of any precipitation event sufficient to reduce the capacity of the secondary containment to less than 1.5 times the volume of the largest tank. Such accumulated precipitation must be removed within 24 hours of an inspection.
    - d. The Operator shall keep written records of secondary containment inspections and shall maintain such for at least three (3) years; the Operator shall make such records available to the County upon the written request of the PWD Director.
- 6. Disposal of Drill Cuttings
    - a. Drill cuttings must be disposed offsite at least twice weekly, at a State-approved solid waste facility. No onsite disposal is allowed.
- 7. Pad Surface
    - a. The surface of a pad shall be paved with either crushed granite or gravel, in a sufficient amount to eliminate of mud-tracking offsite and to comply with the County’s Grading Erosion and Sediment Control regulations.
- 8. Number of Tanks and Tank Separation Requirements
    - a. All oil and produced water storage tanks shall be spaced at least 3 feet apart.

- b. No Oil and Gas Facility shall be permitted to have more than a combined total of nine (9) oil, produced water and/or condensate tanks, or a total Facility capacity of no more than 6750 barrels.
9. Groundwater Baseline Sampling and Monitoring
- a. The Operator shall, at its own cost, perform initial baseline sampling and testing of all water sources located within one-half (1/2) mile radius of Oil and Gas Facility if requested by the owner of such water source or owner of land upon which such water source is located. If no water sources are available in a one-half mile radius of the proposed Facility, the Operator shall sample and analyze up to two (2) down-gradient water sources in a one-mile radius of the proposed Facility. The written results of such baseline testing shall be provided to the requesting property owner, COGCC and to the County.
  - b. Water sampling and testing shall be performed in accordance with the standards and requirements specified in COGCC's Rule 615 a. through f. and as amended from time to time, except for 615 b. (2) and 615 c. (1).
  - c. The requirement to test a well upon request does not apply if the water well has already been tested by any Operator and the Operator is able to furnish such results to County or if access is denied.
  - d. The Operator shall sample, on a one-time basis, down-gradient and perennial surface water within a one-half (1/2) mile of a proposed well pad prior to the construction phase.
  - e. The Operator shall provide a letter notice to all owners of properties within a one-half (1/2) mile radius of the proposed pad with a water well listed in the State of Colorado Division of Water Resources database, to inform those water well owners of the opportunity to have their water wells sampled prior to drilling.
  - f. For all water sources for which the Operator has performed initial baseline sampling at the request of the property owner in accordance with these regulations, the Operator shall also perform subsequent sampling and testing of such water sources on the schedule specified in and in accordance with COGCC Rule 615 d. The written results of such subsequent testing shall be provided to the requesting property owner, COGCC and to the County.
10. Noise Mitigation Requirements
- a. Noise emitted from the facility pad shall not exceed 60 dBA or 65dBC, measured at the nearest property line of the property with the nearest occupied structure. These noise levels, as measured, constitute the Maximum Permissible Limit of noise that may be allowed to emanate off site from the Oil and Gas Facility.
  - b. During the hours between 7:00 AM and 7:00 PM, the maximum permissible noise levels may be increased 10 dB(A) for a period not to exceed 15 minutes in any 1-hour period. The increase is permissible only for a 1-hour period during any 12 hours.
  - c. The Operator may apply for a modification or waiver to exceed the Maximum Permissible Limit in accordance with and subject to the standards in Section 5-6-3.6.E.5 above where the Oil and Gas Facility is proposed to be located in an area with existing ambient background noise levels that are at or above the Maximum Permissible Limit or if proposed for an area that is sufficiently remote from any property with an occupied structure or any High Priority Habitat, provided that the lack of High Priority Habitat is supported by recommendation of CPW. The Operator may also apply for a waiver in accordance with and subject to the standards in Section 5-6.3.6.E.5 of the requirements below to prepare a noise survey and noise mitigation plan for a pad site that will not contain any oil and gas wells and will not be drilled or fracked.
  - d. The Operator shall conduct an ambient noise survey for each proposed well pad no more than 90 days prior to application in order to establish baseline noise levels for the site, and the Operator shall also conduct noise modeling for the well pad to simulate noise during drilling and completion.
  - e. The noise surveys and the noise modeling shall be used to create a Noise Mitigation Plan for the site for keeping sound emissions from the site within the Maximum Permissible Limit. The Noise Mitigation Plan shall describe noise mitigation practices, equipment, strategies,

infrastructure, or other strategies to be used and implemented at the Oil and Gas Facility in order to comply with the Maximum Permissible Level of noise emanating from the Facility. The Operator shall update the Noise Mitigation Plan for any changes in equipment that may reasonably be expected to affect the ambient noise levels at the site or if the Facility is not constructed within two (2) years of the date of the County's Administrative Use by Special Review or Use by Special Review approval for the Facility. The Noise Mitigation Plan shall also be updated if any new occupied structure is constructed within 2,000 feet of the pad boundary, between the time of Administrative Use by Special Review or Use by Special Review approval of the Facility and the commencement of drilling. The Operator shall provide the updated Noise Mitigation Plan and implement any strategies identified in the updated plan prior to putting such new equipment into operation or prior to commencing construction of the Facility as applicable.

- f. If the noise modeling indicates that noise levels for either or both A-Scale (dBA) and C-Scale (dBC) noise for drilling and completion will exceed the Maximum Permissible Level at the property line of any property with an occupied structure, where that structure is within 2,000 feet of the pad, additional noise mitigation measures will be required as necessary to achieve the Maximum Permissible Level.
  - g. If the noise modeling indicates that drilling or completion activity or production equipment on a well pad without noise mitigation will exceed the Maximum Permissible Limit, notwithstanding other mitigations that may be proposed in the Noise Mitigation Plan, sound walls shall be constructed prior to both drilling and completion commencing.
  - h. The Noise Mitigation Plan shall address noise/vibration through sound walls and other practices such as, but not limited to, utilizing electric equipment, Tier 4 diesel engines, installing mufflers or covers on noisy equipment or the use of Quiet Fleet™, or similar noise mitigation. If sound walls will be required for mitigation of noise during completion, they shall be erected prior to drilling.
  - i. Additional mitigations, as necessary to achieve the compliance with the Maximum Permissible level, must be described and used by the Operator if C-scale noise levels are increased to the larger of either (i) 5db over ambient or (ii) 65 dBC at the property line of the property upon which the nearest occupied structure exists. The County may require larger setbacks and/or sound walls or other structures on a case-by-case basis for mitigation of C scale noise, based on data from the noise model.
  - j. The Operator shall follow the most recent and most appropriate BMPs to reduce noise related to drilling and completion.
  - k. Tubular goods may not be unloaded from 8 PM to 7 AM unless there are no occupied structures within 2,640 feet
  - l. Engine idling shall be minimized.
  - m. The Operator shall provide a 24-hour contact number for noise complaints on the facility sign required in section 5-3.6.F.3.h, as well as the COGCC's complaint hotline number.
11. Access Road Standards
- a. Prior to commencing construction of the Oil and Gas Facility, the Operator shall connect the site via an access road designed to support an imposed load of 80,000 pounds that will accommodate emergency response vehicles such as, but not limited to, law enforcement, emergency command vehicles (cars/SUVs), ambulances, hazardous materials response vehicles, water tenders, and fire apparatus during construction and operation of new tank batteries, new drilling activity and reworks or recompletions of existing wells, unless a local fire department or fire district agrees in writing to a different or lesser standard for the access road..
  - b. Access roads shall be constructed to be at minimum twenty (20') feet wide with at least six (6") inch road base
  - c. The Operator shall maintain such access roads in good condition and suitable for emergency vehicle use until such time as the Oil and Gas Facility has been plugged and abandoned.

- d. If an Oil and Gas Facility site incident could prevent emergency access on public or private roads, the Operator shall construct an alternative access road meeting these standards.
  - e. Best efforts will be made to improve inadequate access to existing tank battery sites identified by the fire district or County as determined through service calls and demonstrated problems of access to the site.
  - f. The County and/or appropriate emergency response agency may conduct spot inspections of access roads to ensure that emergency access in accordance with this section is maintained.
12. Odor Mitigation
- a. The Operator shall prevent odors migrating offsite during drilling through the use of low-odor Category III drilling fluid, unless a waiver or modification is allowed under 5-3.6.E.5 of these regulations
  - b. The Operator shall use closed-loop systems in place of open pits.
  - c. The Operator shall proactively respond to and address odor complaints.
  - d. The Operator may be required to address odor complaints with additional measures such as wiping down drill pipe, increasing mud additives, using filtration systems, enclosing shale shakers and frequently transporting drill cuttings offsite for disposal.
13. Site Lighting
- a. All site lighting shall be directed downward and inward to prevent light spill outside the pad.
  - b. Wherever possible, lights will be mounted on the inside of the sound wall.
  - c. Any lights not concealed by a sound wall must be IES (Illuminating Engineering Society) full cutoff or shielded/screened to minimize the amount of light leaving the pad
  - d. During the production phase, site lighting shall be turned off between the hours of 10:00 PM and dawn. Motion-sensing lights may remain active during those hours.
  - e. Upon receipt of a lighting complaint and review by the Planning Division, the Operator may be required to address lighting complaints within 24 hours of the Planning Division's review of the complaint, with additional mitigation measures.
14. Visual Mitigation
- a. Well pads within 1,320 feet of a property line of a property containing an occupied structure, a platted lot, or a parcel of 40 acres or smaller, shall be designed with some form of visual mitigation, to include but not be limited to, low-profile production equipment, opaque fencing, berming, or landscaping.
  - b. Landscaping or fencing around the perimeter of the pad shall be installed within one year of the first well's completion. The screening shall be designed to minimize visual impacts from adjacent properties and the nearest streets.
  - c. Production pads shall be maintained free of vegetation, except such vegetation as may be required for interim reclamation or Arapahoe County GESC regulation requirements, and shall be maintained free of rubbish and debris. For the purposes of this Visual Mitigation regulation only, a production pad may exclude the reclaimed area, approved through a County-issued GESC permit.
  - d. Storage of equipment not associated with the on-going oil and gas operations at a specific pad is prohibited on that pad.
  - e. Privacy or solid fencing shall be Class 5 – Solid Fencing as defined in section 4.3 of the Land Development Code, at least 8 feet high and painted or stained with natural wood colors.
  - f. Whenever possible, the Operator shall use existing natural contours and existing vegetation to conceal the site from view.
  - g. Whenever possible, the Operator shall minimize the size and number of tanks and equipment installed or maintained on a production pad. When available, as provided below, use of pipelines to reduce the size and number of tanks and equipment maintained on a production pad is encouraged.
15. Locks/Emergency Access Hardware
- a. The Operator shall provide approved emergency access hardware for any locked facility gates or access points.
16. Traffic Mitigation and Reduction Measures

- a. The Operator shall make best efforts to schedule its traffic to limit heavy truck traffic on County roads during peak commuting hours and during school bus hours and shall comply with any restrictions established in accordance with the Road Damage Agreement.
  - b. The Operator shall use pipelines for the transport of produced water and hydrocarbon liquids from the well pad, wherever available.
  - c. To reduce traffic associated with the Operator's drilling and completion activities, the Operator is allowed to use temporary surface lines for transportation of water needed during drilling and completion or Modular Large Volume Tanks (MLVTs) for storage of water needed during drilling and completion. Provided that the MLVT is located on or contiguous with the Oil and Gas Facility pad, the MLVT may be approved with the Administrative Use by Special Review application or by amendment to an approved Administrative Use by Special Review. The Operator may use County Road Right-of-Way, and County drainage culverts, where practical, for the laying and operation of temporary water lines on the surface, provided that the County's Engineering Services Division approves the locations of the temporary water lines through a street-cut/right-of-way permit issued in accordance with the Arapahoe County Infrastructure Design and Construction Standards. The Operator will bury temporary water lines at existing driveway and gravel road crossings, unless the PWD Director approves an alternative to burying the lines in accordance with section 5-3.6.E.5 above.
  - d. Prior to commencing construction of an Oil and Gas Facility, the Operator shall execute a Road Damage Agreement for the site or shall have executed a field wide Road Damage Agreement for all sites within the County. Such agreement shall be in a form approved by and acceptable to the County.
  - e. Consistent with the Road Damage Agreement, the Operator shall provide the County with a truck access route for evaluation and approval by the County. The County may require a route that minimizes impact on nearby residents and/or a particular County roadway.
17. Wildlife, Wetlands, Riparian Areas and Stream Channel Measures
- a. The Operator shall implement the recommendations of Colorado Parks & Wildlife (CPW) that address any site-specific site conditions. unless a waiver or modification is approved in accordance with Section 5-3.6.E.5 above.
  - b. Wetlands boundaries shall be determined by a Professional Wetland Scientist (PWS) and those boundaries shall be indicated on the Administrative Use by Special Review plan.
  - c. Crossings of defined streambed and banks (stream channels) by flowlines and pipelines must be bored underneath and not trenched.
  - d. All crossings of riparian areas by flowlines and pipelines shall be bored under, starting 500 feet from the edge of the riparian area. All crossings of riparian corridors by access roads will be constructed with culverts, approved by Engineering Services Division.
  - e. The Operator shall avoid constructing in CPW-mapped High Priority Habitats (HPH) to the maximum extent possible. If an operator elects to construct in an HPH polygon, then they will be subject to minimization and/or mitigation measures as specified in COGCC's 1200 Series Rules, as well as any applicable CPW recommendations.
  - f. Fencing that bisects streams is prohibited.
18. Floodplains/Floodways Restrictions
- a. Storage of hazardous or floatable materials in the floodplain is prohibited.
  - b. Oil and Gas facilities shall not be located in a floodplain. Access roads, and underground pipelines and flowlines are permitted to cross floodplains provided that they are designed to meet Arapahoe County Floodplain Regulations and the Infrastructure Design and Construction Standards or other applicable Engineering Standards and those crossings are in accordance with a floodplain Development permit issued by the Arapahoe County Floodplain Administrator in accordance with Section 5-4.3 of the Land Development Code.
19. Notification of Commencement of Geophysical Exploration/Seismic Testing, Construction, Drilling, Completion, and Flaring
- a. The Operator shall provide advance written notice to the Planning Division of the projected commencement of geophysical exploration/seismic testing; the construction phase, drilling

phase, and completion phase of each new well; and each workover one week prior to the start of each phase.

- b. Flaring shall be reported to the County LGD via email or text message prior to flaring whenever possible, or during the flaring event. An updated notice will only be required if the commencement of any phase is delayed more than one week from the original date indicated in the notice.

20. New Technologies

The County may require modifications to equipment for drilling, completion, or production operations to incorporate new technologies for reduction of noise, odor, dust or for mitigating other surface impacts caused by the Oil and Gas Facility or its operations if such new technologies are technologically sound, economically practical, and commercially available to the Operator.

21. Compliance With Laws and Regulations

The Oil and Gas Facility shall be operated in compliance with all applicable federal, state, and local laws and regulations.

**G. Approval/Denial/Conditions of Approval of Administrative Use By Special Review/Appeal**

1. Action to Approve, Conditionally Approve or Deny

The PWD Director may approve, approve with conditions, or deny an Administrative Use by Special Review application for an Oil and Gas Facility. Written notice of the decision shall promptly be provided to the applicant, and, if denied, the notice shall include a statement of the reason(s) for denial.

2. Revocation of Approval

Approval may be revoked, after notice of the grounds for such proposed revocation and a hearing before the Arapahoe County Board of County Commissioners, if the Operator fails to meet or fails to continue to meet any requirements of this Land Development Code or any Conditions of Approval governing the installation and operation of an Oil and Gas Facility. The hearing will be conducted as a general business item at a regular meeting of the Board of County Commissioners. At said hearing, the Planning Division shall present evidence of the grounds for revocation of the approval and the Operator shall be afforded the opportunity at such hearing to present evidence in response to the proposed revocation. The Operator may appeal the Board of County Commissioners' decision in accordance with Rule 106(a)(IV) of the Colorado Rules of Civil Procedure.

3. Recordation

Arapahoe County Public Works & Development shall record the approved permit for an Administrative Use by Special Review or for a Use by Special Review under Section 5-3.4 of the Land Development Code and the approved site plan in the Office of the Arapahoe County Clerk and Recorder within 30 days of the approval. The applicant shall pay any recordation fees.

4. PWD Director's Discretion to Refer to the Board

In lieu of the PWD Director making a decision on an application, the Director has the discretion to refer any application for Administrative Use by Special Review or amendment thereto to the Board for its consideration and decision at a public hearing. In such event, the Board shall make its determination based upon the requirements of this Section; however, unless waived by the Board, compliance with the notice requirements set forth in Section 5-3.4.C.2. is required prior to the Board hearing. At such public hearing, the Board may approve, approve with conditions, or deny the application.

5. Expiration of Approval

- a. An approval of the Administrative Use by Special Review, as delineated in the application, shall automatically expire three (3) years after the date of recordation, unless the facility is already substantially commenced by the drilling of at least one well on a pad.
- b. For good cause shown, the Planning Division Manager or designee may grant a time extension to the expiration date stated in this Section for up to one year, upon a written request by the applicant. Such request shall be submitted in writing to the Planning Division Manager no less than sixty (60) days before the date of expiration of the approval.

- c. The Board may, for good cause shown, grant an additional extension for an additional one-year period.
  - d. If drilling of a well is not completed within the time allowed under the original permit or any extension granted pursuant to this Section 5-3.6.G.5, the approval shall lapse and a new application is required. After a lapsed approval, the Oil and Gas Facility may be constructed, completed, or produced only in compliance with the Land Development Code in effect at the time of the new application.
6. Permits Required Prior to Commencement of Operations
- a. If applicable under the Land Development Code or other Arapahoe County code or regulation, an Access Permit issued under the Infrastructure Design and Construction Standards, a GESC Permit, a Roadway Damage Agreement and Oversize/Overweight Vehicle Permit shall be required prior to the development of an Oil and Gas Facility. A Floodplain Development Permit shall be required prior to any work within a floodplain. A Building Permit may be required prior to construction of structures or the erection of equipment within the Oil and Gas Facility in accordance with the Arapahoe County Building Code.
7. Appeal of Decision on Application for Administrative Use by Special Review
- a. An applicant may appeal the Public Works and Development Director's denial of an application for an Administrative Use by Special Review for an Oil and Gas Facility, denial of a waiver request, or any conditions of approval, to the Board of County Commissioners for a *de novo* hearing. The Applicant must file the appeal within fourteen (14) calendar days of the date of the PWD Director's decision by submitting a letter of appeal to the Planning Division Manager. Thereafter, the matter will be scheduled on the next available agenda of the Board, following public notice required by Section 5-3.4.C.2. At such hearing, the Board may affirm, reverse, or modify the decision of the PWD Director, based upon the criteria set forth in this Section 5-3.6.

#### **H. Administrative Amendment**

If the Applicant or the Operator proposes changes from the plans approved through the Administrative Use by Special Review, including but not limited to any changes in the source or location of water to be used by the Oil and Gas Facility, the type and size of equipment on the facility or visual mitigation measures, the Applicant is required to submit an amendment to the approved Administrative Use by Special Review plans showing the proposed changes. The PWD Director may approve, conditionally approve, or deny the proposed amendment in accordance with the provisions of this Section 5-3.6. The proposed amendment will be reviewed by PWD staff and, as needed for the review of the application, PWD Staff may require additional information. The amended application will need to meet all requirements of this Section and be approved in writing. If the BOCC approved the original application on appeal, as a USR, or by reason of its otherwise having been elevated to the BOCC for decision under this Section 5-3.6, the proposed amendment shall be referred to the BOCC for consideration and decision following public hearing as provided in Section 5-3.6.G.4 above. The PWD Director may exercise his or her discretion to elevate any proposed amendment to the BOCC for consideration and decision as provided in Section 5-3.6.G.4 above. Upon recommendation of PWD Staff, the PWD Director may waive the need for amendment of the Administrative Use by Special Review or other BOCC approved Oil and Gas Facility permit provided that the proposed change is found to be minor, with no material effect to or departure from the original approval, and without the potential for significant surface impacts to public health, safety, welfare, or the environment at the Facility site.

#### **I. Transfer/Sale of Facilities to a New Operator**

The Operator must notify the Planning Division in writing within seven days of the closing of any transfer of an Oil and Gas Facility or Facilities to a different Operator or other successor owner. Prior to commencing any operations at the site of the transferred Oil and Gas Facility, the new Operator or successor owner must first provide the following to the County:

1. Letter(s) authorizing the transfer of the Oil and Gas Facility operation as approved through the original Administrative Use by Special Review or Use by Special Review approval for the Facility to the new Operator and the new Operator's written acceptance of responsibility for the operations at the Oil and Gas Facility and agreement to abide by all terms and conditions of the Administrative Use by Special Review or Use by Special Review approval.
2. The Operator must meet with the LGD to discuss any pertinent issue relative to the new Operator's assumption of operations of the Oil and Gas Facility, including plans for development of pipeline installation to serve the Oil and Gas Facility.
3. An updated Emergency Action Plan (EAP) and Tactical Response Plan (TRP), two weeks prior to the transfer, with contact information for at least two employees of the new Operator.

**J. Non-Administrative Approval Process**

Use by Special Review approval for an Oil and Gas Facility may also be requested through the process described in Section 5-3.4 of this Code, subject to the following modifications:

**1. Plan Format**

The site plan shall comply with the requirements of the Development Application Manual, Non-Administrative Use by Special Review for Energy Facilities. In addition, the final document shall be submitted in both paper and electronic forms instead of Mylar, notwithstanding the requirements for a Use by Special Review contained in the Development Application Manual.

**2. Criteria and Standards**

In addition to the criteria set forth in Section 5-3.4 of the Land Development Code, an application for Use by Special Review for an Oil and Gas Facility will also be evaluated under the criteria specified in Section 5-3.6.D above and shall comply with the Standards specified in Section 5-3.6.F above, and shall be operated in compliance with the requirements of this Section 5-3.6. In addition, the provisions of Section 5-3.6.G.1 through 7 shall apply to an Oil and Gas Facility approved as a Use by Special Review. Also, Section 5-3.6.I shall apply to the transfer of any Oil and Gas Facility approved by a Use by Special Review.

**3. Expiration of Approval**

An approval of a Use by Special Review shall automatically expire three (3) years after the date of recordation, unless the facility well pad is already substantially commenced by drilling of at least one well. The Operator may request and extensions as described in Section 5-3.6.G.5 above.

**K. COGCC and County Approvals Required**

Development of an Oil and Gas Facility shall not commence until and unless any required permits from the State or County, and a Use by Special Review (administrative or non-administrative) from the County, have both been approved. Prior to construction, the Operator must submit proof of any insurance and bonding that are required or may be required by these rules.

**From:** [Nathan Fogg](#)  
**To:** [Diane Kocis](#)  
**Subject:** RE: was asked to reach out to you again, for any comments (or a No Comments reply) to our Phase 1 proposed amendments to our O&G rules adopted in 2021  
**Date:** Tuesday, July 11, 2023 12:39:41 PM

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Diane: Here some thoughts in the indented bullets

- Relationship to State of Colorado Rules:  
The Operation of a Facility in violation of any applicable federal, state, or other local law or regulation that results in adverse or negative surface impact(s) on or to public facilities and services, water quality and source, noise, vibration, odor, light, dust, air emissions and air quality, land disturbance, reclamation procedures, cultural resources, emergency preparedness and coordination with first responders, security, or traffic and transportation shall constitute a violation of the Land Development Code which may be enforced by law as other violations of the Land Development Code.
  - No comments
  
- Neighborhood Meeting:  
The applicant shall send notification of the meeting to the Planning Division and to all property owners of record, all occupied residences if occupants are different from record owner, and all registered homeowners' associations for residential subdivisions where any portion of the platted subdivision's boundary is within one mile of the proposed facility pad boundary.
  - No Comments
  
- Additional Application Information:  
Applications shall include an application narrative, photosimulations of the view of the well pad from nearby properties and documentation of floodplain, wetlands and riparian area boundaries.
  - Can we add WUI boundaries to the list?
  
- Application that includes a lesser Setback:  
If an Oil and Gas Facility application that includes a lesser setback is submitted, it must be and approved by the Board of County Commissioners through the Use by Special Review process.
  - No comments
  
- Reservoir Setbacks:  
At least one mile from existing or planned water reservoirs, unless the applicant can demonstrate that the Oil and Gas Facility is downgradient from the reservoir, in which case a 2,000 foot setback may apply. With approval from the reservoir owner or operator, the setback may be reduced to the 500-foot setback applicable to other perennial surface water bodies.
  - No Comments

- Post-Incident Meeting:

In addition to the formal incident report, a post-incident meeting shall be required with County staff. The date, time and location of the post-incident meeting shall be determined by the Public Works and Development Director.

- No Comments

- Access Road Standard:

Prior to commencing construction of the Oil and Gas Facility, the Operator shall connect the site via an access road designed to support an imposed load of 80,000 pounds that will accommodate emergency response vehicles such as, but not limited to, law enforcement, emergency command vehicles (cars/SUVs), ambulances, hazardous materials response vehicles, water tenders, and fire apparatus during construction and operation of new tank batteries, new drilling activity and reworks or recompletions of existing wells, unless a local fire department or fire district agrees in writing to a different or lesser standard for the access road.. Access roads shall be constructed to be at minimum least twenty (20') feet wide with at least six (6") inch road base

- No Comments

Second part for Alternative Access Roads for one-way-in, one-way-out neighborhoods:  
If an Oil and Gas Facility site incident could prevent emergency access on public or private roads, the Operator shall construct an alternative access road meeting these standards.

- No Comments

- Post-Incident Meeting:

In addition to the formal incident report, a post-incident meeting shall be required with County staff. The date, time and location of the post-incident meeting shall be determined by the Public Works and Development Director.

- This appears to be a duplicate requirement

- Handwashing Facilities:

Operator shall provide hand washing facilities meeting Arapahoe County Public Health Department requirements at portable restrooms during drilling and completion operations.

- No Comments

And, crypto-mining, or data centers, will be allowed on oil and gas pads, by adding it as an approved use in our Land Use table of the Land Development Code.

Here is our definition of Crypto-Mining:

Cryptocurrency Mining The operation of specialized computer equipment for the primary purpose of adding, securing, or verifying transactions to a peer-to-peer network, also known

as a blockchain, or mining one or more blockchain-based cryptocurrencies (a form of electronic currency). This activity typically involves large networks of decentralized computer servers that work together around the world to perform calculations and solve algorithms as part of the development and maintenance of a blockchain which is a type of distributed virtual ledger maintained on a peer-to-peer network. Typical physical characteristics of cryptocurrency mining include specialized computer hardware; the use of equipment to cool the hardware and operating space; and high density load electricity use.

- Are these powered by grid or are there large banks of Lion or LiPo type batteries that would provide power if the grid were disconnected? If so, it should be posted so fire is aware.

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**From:** Diane Kocis <[DKocis@arapahoegov.com](mailto:DKocis@arapahoegov.com)>

**Sent:** Thursday, July 6, 2023 2:30 PM

**To:** Nathan Fogg <[NFogg@arapahoegov.com](mailto:NFogg@arapahoegov.com)>

**Subject:** RE: was asked to reach out to you again, for any comments (or a No Comments reply) to our Phase 1 proposed amendments to our O&G rules adopted in 2021

Nate,

Sorry to hear that you are extra busy/stressed. I know you are *always* very busy.

I'll look for your message on Monday.

Thanks,

I am working a hybrid schedule with in-office days and remote work days. Email is the best way to reach me but you can also reach me on my County cell phone at 720-425-0422.

*Diane Kocis*

Energy Specialist

Arapahoe County Planning Division

[dkocis@arapahoegov.com](mailto:dkocis@arapahoegov.com)

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**From:** Nathan Fogg <[NFogg@arapahoegov.com](mailto:NFogg@arapahoegov.com)>

**Sent:** Thursday, July 6, 2023 2:26 PM

**To:** Diane Kocis <[DKocis@arapahoegov.com](mailto:DKocis@arapahoegov.com)>

**Subject:** RE: was asked to reach out to you again, for any comments (or a No Comments reply) to our Phase 1 proposed amendments to our O&G rules adopted in 2021

We are activated again in the EOC, the 13<sup>th</sup> time this year...I will try to get to this before Monday. I am sorry. We are just getting wrecked every few days.

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**From:** Diane Kocis <[DKocis@arapahoegov.com](mailto:DKocis@arapahoegov.com)>

Open Spaces review of our proposed phase 1 O&G rules amendment

Comments – questions:

For Open Spaces the increased setback from reservoirs sounds good.

Question – I see it says “Planned Reservoir” – how planned does it have to be? I know Purecycle has some planned-on Lowry property but not sure if how far along they are?

The lesser setback BoCC approval is also a good addition.

Thanks

Roger Harvey

Planning Manager- Open Spaces

June 2, 2023

John A. Granger, J.D. ret.  
6391 S. Patsburg Ct.  
Aurora, CO 80016

Carrie Warren-Gully, Chair, Arapahoe County Commissioners

Jeff Baker, Arapahoe County Commissioner

Jessica Campbell-Swanson, Arapahoe County Commissioner

Leslie Summey, Arapahoe County Commissioner

Bill Holen, Arapahoe County Commissioner

Bryan D. Weimer, Director, Public Works and Development

Jason Reynolds, Planning Division Manager

Diane Kocis, Arapahoe County Energy Specialist

Ron Carl, Arapahoe County Attorney

Re: Proposed Arapahoe County Oil and Gas Facilities Regulation 1-1.1.F.2.d. Water Reservoir Setbacks

Commissioners, Staff, and County Attorney:

This letter is written on behalf not only of me, as a concerned citizen and former land use/environmental attorney, but also on behalf of the 30,000 concerned citizens of Ward VI who speak through the non-profit Save-The-Aurora-Reservoir (STAR).

This is the first of two letters. This letter will deal with the language of the proposed Reservoir Setback only. The second letter will deal with critical missing regulatory changes that need to be dealt with in Phase I rather than Phase II of the regulatory amendment process.

**Breach of the Duty to Regulate:**

To begin with, I find it necessary to remind all of you once again of your duties under the authorizing legislation regarding this rule making process. Before SB-19-181 was enacted in 2019, there was a common belief that the State COGCC, and other State, County and City Oil and Gas departments that worked with it, were intended to **balance** oil and gas development with health and safety and environmental protection. SB-19-181, signed in 2019, completely dispelled that notion, and put the emphasis back fully on “**protection**” not balancing development and protection. As stated in the Legislative Summary of the authorizing legislation for the COGCC, SB-19-181:

Section 6 states that the public interest is to “**regulate**” oil and gas development to “**protect**” those values. [Emphasis supplied]

The County of Arapahoe has an express duty to be a steward of the Public Trust and must “carry out their duties for the benefit of the people of Arapahoe County.” [*Arapahoe County Code of Ethics*, Art. III.1] Therefore, it is inappropriate to compromise the protection of health, safety, welfare, or environmental protection in any way for political expediency or negotiation with oil and gas applicants.

I make this observation because of the two proposed “carve outs” in subsections i. and ii. of the Proposed Setback. These “carve outs” are convoluted and completely emasculate the one (1) mile setback proposed.<sup>1</sup> They are vague and ambiguous in wording. And subsection ii. is likely illegal in application. They appear to be an obvious effort to cater to CAP applicants who believe they can work out a “compromise” in moving certain well pads in exchange for an agreement not to move others. Such political “horse-trading” is not only totally inconsistent with the intent of the authorizing legislation directing regulation for the public benefit, it is also a clear breach of the duty to uphold the public trust.

Subsection ii. of the proposed Setback is also inconsistent with statutory duty and must be wholly abandoned for a second reason. It attempts to delegate rather than regulate. Worse yet, it attempts to delegate to persons or entities who are not charged with the same duties to uphold the Public Trust and “regulate to protect public health and safety” that the County, itself, is required to follow. It reads:

ii. With approval from the reservoir owner or operator, the setback may be reduced to the 500 ft. setback applicable to other perennial surface water bodies.

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<sup>1</sup> It is noteworthy that the City of Aurora’s one (1) mile reservoir setback [Aurora City Code Chap. 135, 4.c.], upon which these provisions are based, contains no such “carve-outs” and remains a clean one (1) mile setback.

This means that either a reservoir owner or an operator<sup>2</sup>, neither of which needs to be a public entity<sup>3</sup> charged with the public trust duties of the County, can on their own initiative, without regard to public health and safety considerations, approve collapse of the setback from one (1) mile to 500 ft. -- an over 90% difference. This is an attempt at delegation rather than regulation and is manifestly improper because it violates the statutes cited above.

If a one (1) mile setback is considered appropriate by City staff to protect public health and safety for existing drinking water reservoirs, how is it believable that a collapse to 500 ft. is also protective of public health and safety for proposed future drinking water reservoirs! This is like saying, we will try and protect you now but woe to new residents, including your children and grandchildren, who drink the water from the proposed reservoirs in the future, that is someone else's problem! Such delegation rather than the required regulation MUST be redacted from the Proposed Setback as arbitrary and capricious. All subsections of every oil and gas regulation standing alone must meet the public interest test.

**Vague and Ambiguous Language:**

The "carve-out" Section i. of the Proposed Setback is so vaguely and ambiguously worded as to be unenforceable. It purports to allow the collapse of the one (1) mile reservoir setback to 2,000 ft. if the Oil and Gas Facility is "downgradient" from the reservoir. It reads:

- i. At least one (1) mile from existing or proposed reservoirs, unless the applicant can demonstrate that the Oil and Gas Facility is downgradient from the reservoir, in which case a 2,000 ft. setback may apply.

Ambiguity and vagueness issues abound. For instance, what constitutes a "downgradient"? Is a 1% downgradient sufficient? At what distance is the gradient measured? Is it simply at the distance that the Applicant itself selects arbitrarily in order to comply? There is not even any requirement that the "downgradient" be sufficient to demonstrate there is no remaining substantial risk that a spill at either the well pad or associated flow lines running to and from the well pad could reach and contaminate the reservoir. In addition, what does "may apply" mean? Does it mean it that approval remains discretionary with the County or is it a substitute for the word "shall"? The carve-out, if it is too be applied at all, needs to be clear and unambiguously protective.

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<sup>2</sup> The wording doesn't indicate what happens should the two entities be different and have differing views of a proper setback.

<sup>3</sup> For example, within the Lowry Ranch property the Rangeview Metropolitan District owns two adjudicated Proposed Reservoirs on the ranch property. It is a Title 32 Special Metropolitan District but has not been given the power and duty to "regulate oil and gas development to protect public health safety and welfare" under SB-19-181. Indeed, there is no requirement in Subsection ii. of the Proposed Setback wording that the owner and operator granted the authority to collapse the Setback be even a public entity at all.

Furthermore, berms and gradients alone are insufficient barriers upon which to rely for health and safety protection. This is graphically demonstrated by the recent washout of two sections of the road surrounding the Cherry Creek Reservoir by two days of heavy rainfall (2 to 3 inches per day) which caused a 10 ft. reservoir rise, and a flooding event. [See: **Exhibit 1** attached **Photo of Cherry Creek Washout.**] One can only imagine the risk to reservoir berms in a 100 year flood event. This environmental risk is exacerbated to truly frightening levels if extracted fracking water is stored on site and overflows.

In order to cure this vague and ambiguous language **Exhibit 2** to this letter [**Proposed Substitute Setback**] contains needed specific language that includes needed protections and assures enforceability.

### **Failure To Consider Impacts Other Than Well Pad Spills:**

Use of a “downgradient” test for collapsing the proposed one (1) mile setback to 2,000 ft. or even 500 ft. makes it obvious that potential spills from the well pad are the only risk being considered as relevant to setback distance needed. This is inappropriately short sighted.

First, my letter of March 13<sup>th</sup> to the Commissioners and Staff enclosed a Study from the California Oil and Gas Public Health Rulemaking Advisory Panel demonstrating dispersal of airborne cancer-causing pollutants over a range of up to 2.5 miles. The analysis of the CDPHE apparently presently relied upon by the County for only a 0.2 mile dispersal is clearly inadequate and inappropriate. It is based upon a dispersal study from a well pad of a single well. The well pads currently being proposed will contain as many as 25 individual wells spewing pollutants. Setbacks of 500 or even 2,000 ft. from reservoirs entirely fail to recognize the substantial risk of water pollution from airborne drift of pollutants across a large reservoir surface over 30 years.

Furthermore, use of the wording “Oil and Gas *Facility*” in the Proposed Setback suggests only well pad leaks are being considered. COGCC and industry data, however, indicate it is the network of flowlines associated with the well pads, with their numerous connections and valves, which are much more likely to suffer leaks. Even if the well pad is located between 500 and 2,000 ft. from a reservoir, there can be no assurance that a leaky flowline connection will be located the same or greater distance away. Nowhere does the language of the Proposed Setback address this issue.

### **The Solutions:**

For these reasons, the County is urged first to simply consider total elimination of the “carve-out” wording with a return to a simple-straight forward one (1) mile reservoir setback identical

to the City of Aurora. That is clearly the most protective and best approach which places public health and safety as the appropriate goal.

Absent that approach, if the County insists upon a carve- out based upon topography, we strenuously urge the County to:

1. Recognize that, because of both the unreliability of berms and the need to consider air borne pollutants, the distance of the carve-out Setback for section i. must be increased to a distance that recognizes potential sources of reservoir contamination beyond simply well pad spills. We have not suggested what figure that distance should be because we disfavor this approach and believe a clean one (1) mile setback is the proper approach. We note, however, that maintaining just a 2,000 ft. setback is inconsistent with the announced goal of developing the “best oil and gas regulations in Colorado.”
2. Use a version of the County’s relief from setbacks approach already found in subsection 2.b.iii. and follow the Use by Special Review process under which the Operator must establish that the lesser setback “will provide substantially equivalent protection...and...will not adversely impact public health, safety, or welfare or the environment.”
3. Modify the “shall consider” language to provide clarity about factors to be dealt with to include air borne dispersal of pollutants and leaks and spills from other sources.

Again, in order to cure these language omissions **Exhibit 3** to this letter [**Proposed Substitute Setback**] contains needed specific language that will allow needed protections and assure enforceability.

**Summary Conclusion:**

In summary, the Proposed language, due to the two “carve outs” being included, is fatally flawed. STAR on behalf of the citizens of Ward VI and I therefore implore you to;

- First, do away with the improper and likely illegal delegation rather than regulation found in sub-paragraph ii.
- Show the courage of your convictions and drop the carve-out in section i. all together, keeping only the one (1) mile setback language.

If, and only if, the County decides that some “carve-out” from full application is required:

- Adopt a new lesser setback carve-out only if it will not adversely impact public health, safety, or welfare, or the environment” distance that is adequately protective; and

- Replace the language of subparagraph i. with language like the attached as **Exhibit 3** to this letter to achieve these purposes [**Proposed Substitute Setback**].

Sincerely,

/s/

John A. Granger, J.D. ret.

**EXHIBITS:**

**EX. 1: Photo of Cherry Creek Washout**

**EX. 2: Proposed Substitute Setback language**

June 5, 2023

John A. Granger, J.D. ret.  
6391 S. Patsburg Ct.  
Aurora, CO 80016

Carrie Warren-Gully, Chair, Arapahoe County Commissioners

Jeff Baker, Arapahoe County Commissioner

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Ron Carl, Arapahoe County Attorney

Re: Proposed Arapahoe County Oil and Gas Facilities Regulation Amendments and Additions

Commissioners, Staff, and County Attorney:

This is the second of the two letters promised in our earlier letter of June 2, 2023 dealing with the County of Arapahoe's effort to produce what Commission Chairperson Warren Gully trusts will be the "best oil and gas regulations in the State of Colorado." The first letter dealt with the newly proposed Reservoir Setback language which fell short of that standard. This letter now deals with both an existing setback that requires modification and a critical new missing regulation to protect against fire risk. Because the non-profit Save-The-Aurora-Reservoir (STAR), on behalf of the 30,000 citizens of Ward VI, and I fully agree on the content of this second letter, I am sending it on its behalf as well as my own. Both of these changes are

important enough to require implementation now in Phase 1 (rather than later in Phase 2) of the regulatory amendment process.

### **Modification of The Existing Neighborhood Setbacks:**

Oil and Gas Regulation 1-1.1.F.2.a, as it presently reads, provides for setbacks of :

- 2,000 ft. from “occupied structures” [subsection 2.a.i.];
- 2,000 ft. from the nearest boundary of a “platted lot” smaller than 15 acres in area as measured from the pad boundary; [subsection 2.a.ii] and
- Reduction to a lesser setback with a minimum distance of 500 ft. if certain conditions are shown, such as “equivalent protection” and a setback distance which “will not adversely impact public health, safety, or welfare or the environment.” [subsection 2.b.iii]

We believe these setbacks, given the present state of public health and safety regulatory knowledge, are insufficiently protective and require modification.

Zoning is an act performed by the County to allow purchasers and end-users needed certainty in future land use decisions. Thoughtful zoning naturally clusters compatible uses and rationally takes into account the designation of adjoining uses, in an effort to minimize incompatibility. Residential zoning boundaries and zoning which deals with oil and gas facility locations carry a high risk of incompatibility. Therefore they (and regulations concerning them) must be carefully drawn, particularly when the adjoin each other.

We believe as follows:

1. When setting setbacks from occupied structures, platted areas, and residential zones (hereinafter referred to collectively as “neighborhood setbacks”), a 2,000 ft. setback is insufficient, particularly now given the air pollution dispersal studies referred to in our letter of March 13 referencing the California Oil and Gas public Rulemaking Scientific Advisory Panels, indicating a 2.5 mile dispersal zone.
2. There is no basis for discriminating between a setback distance for drinking water reservoir safety and the safety of citizens (particularly children and infants) in neighborhoods which are positioned adjacent to oil and gas facilities. For this reason, we believe the neighborhood setbacks should begin with a setback distance of one (1) mile like the reservoir setback.
3. Furthermore, it is irrational to limit any oil and gas facility setback solely to “platted lots” and “occupied structures” when, during the 30 year life of any oil and gas project, areas zoned residential will naturally become filled with residences, parks, sidewalks and open

spaces used by recreating children and adults. To limit the setback to either “occupied structures” or “platted lots” does not reasonably separate these uses from the Oil and Gas Facility. As the as yet undeveloped residential area becomes fully developed, even with the application of reverse setbacks in the residential area, these later open space residential areas will be equally subjected to air borne pollution, and noise, light, sound, vibration and visual pollution as are occupied structures.

4. In addition, when residential zoning pre-exists the development of the oil and gas facilities, it is patently unfair to require residential developers to race against the Oil and Gas Applicant permit in order to protect their residential plats from being subject to reverse setbacks<sup>1</sup>.
5. Finally, it is not protective of public health and safety to allow these neighborhood setbacks to be arbitrarily reduced (such as under provision 2.b.) to a lesser setback (to a minimum of 500 ft.) just because the owners of occupied structures and platted lots agree. This is a flawed provision under the current provisions of SB-19-181 because once again, it is an attempt to delegate rather than regulate in the public interest. Public health and safety is not paramount when a developer of unsold plats can negotiate with an Oil and Gas Applicant to reduce a setback from 2,000 ft. to 500 ft. irrespective of the safety and health benefits to the public that maintaining a minimum 2,000 setback would retain. This is even more apparent when larger multi-well pads are involved.
6. Even, the addition of the language of subsection b. iii. which provides for a Use by Special Review process and proof of “substantially equivalent” protection fails to effectively rescue these flawed setback provisions. It could never cogently be argued that a well pad as close as 500 ft. would produce no more airborne pollutant dispersal or noise, light, vibration and visual pollution than a pad kept a minimum of 2,000 ft. away. Such setback collapse provisions simply invite compromises and trade-offs rather than public protection.

Notably, other jurisdictions have drawn the same conclusion, that is, that a clear (non-collapsible) setback from areas zoned residential is the proper way to approach this issue. For example, the City of Boulder has adopted Ordinance 8514 which requires a “setback buffer” specifying that:

“[A] well pad...for any multi-well oil and gas operation...shall be located **no closer than 2500 feet from any...existing residential use, RESIDENTIAL ZONE**,...public park and recreation [sic] use,...including City of Boulder open space. [Emphasis supplied].

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<sup>1</sup> Indeed this practice of forcing owners of as yet un-platted residentially zoned land to move back their development due to being too close to a Oil and Gas Facility has the appearance of a taking without due compensation.

A further example is the City of Broomfield which on April 12, 2022, adopted an Ordinance requiring any Oil and Gas setback be from **residential areas “planned” within a development plan**. Ord. 2178(2) iii and iv. [Emphasis supplied.]

Therefore, we urge adoption of modified language which cures these deficiencies. The language shown in **Exhibit A** to this letter shows a modified neighborhood setback which provides:

- For a one (1) mile neighborhood setback;
- That the setback be from areas zoned residential rather than “platted lots”; and
- That reduction of the one (1) mile setback be allowed under the same circumstances now described in the regulations but only to a distance of some County-selected minimum well above the current 2,000 ft. [and certainly not 500 ft.].<sup>2</sup>

These changes to the language shown in **EXHIBIT A** are needed to upgrade this provision to one that adequately protect the public. STAR and I strenuously urge its substitution for the currently flawed neighborhood setback language, along with increasing the setback distance to one (1) mile.

#### **Addition of a Fire Protection Provision for Oil and Gas Facilities Located in the WUI**

The devastating Marshall fire, as noted in our earlier letter of March 13, 2023, began in identical Piedmont Grassland to those grasses found in a large portion of wildland properties in unincorporated Arapahoe County, such as the Lowry Ranch property. It is therefore incumbent upon the County to develop regulations now that will prevent repeat of such a devastating fire in wildlands adjacent to residential and urban area – areas known as the Wildland Urban Interface or (WUI).

The Office of Emergency Management, under the leadership of its Director Nathan Fogg, is currently analyzing and modeling the risk of similar fire spread on the southwest corner of the Lowry Ranch property where a large expanse of such grasslands lie. He is working in concert with the fire authorities with jurisdiction in that area, Bennett Fire and Rescue and Aurora Fire and Rescue. This work shows the importance of such fire protection measures.

Eliminating any significant fire risk is such an important part of the County’s obligation to “protect the public health, safety and welfare and the environment” when regulating oil and gas facilities. We contend, therefore, that a special WUI fire protection provision is a critical part of what the County should be addressing now during its 6 month regulatory review. It is not appropriate for protection to rely solely upon the verbiage of the current setback 2.b. i. and

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<sup>2</sup> This minimum distance based on the stated goal of developing the “best oil and gas regulations in Colorado” should be increased at least above the 2,500 ft. distance in the Boulder regulation.

ii. which requires a 2,000 ft. buffer between “storage of hazardous or explosive materials” and “occupied structures” or “platted lots”, even when a fire district “agrees to provide service” to the facility.

We therefore strenuously urge the County to adopt a new strongly protective provision to accomplish the following:

- Define the Wildland Urban Interface between residential/urban areas and wildlands such as grasslands;
- Authorize the OEM to determine which portion, if any, of the WUI represents a significant risk of fire spread; and
- Provide that no oil and gas facility should be located in areas so designated without the specific authorization in advance of the OEM and any fire authorities with jurisdiction over the area so designated.

**EXHIBIT B** to this letter contains the specific language needed for this purpose.

In conclusion, we urge the County to do the following:

1. Eliminate the references to “platted lots” in their setback regulations and instead reference “areas zoned residential”;
2. Establish a setback distance from both “occupied structures” and “areas zoned residential” of one (1) mile (consistent with drinking water reservoir protection and current national pollution dispersal studies);
3. Adopt language allowing reduction of this one (1) mile setback to some reasonable distance (greater than a minimum of 2,500 ft. used in Boulder) only through the Use by Special Review process upon a showing the “lesser setback will not adversely impact public health, safety or welfare or the environment”;
4. Eliminate provisions that allow further setback distance reductions based upon owner consent agreements as delegations inconsistent with the County’s duty to regulate to “protect the public health, safety, and welfare, and the environment”; and
5. Add a specific protection provision dealing with those Wildland Urban Interface areas designated by OEM to have a “significant risk” of fire spread.

**Exhibits A** and **B** to this letter contain the necessary language to meet these important goals, and we urge the County to adopt them now.

Sincerely,

/s/

John A. Granger, J.D. ret.

**EXHIBITS:**

**EX A: PROPOSED AMENDMENT TO OIL AND GAS SETBACK FOR OCCUPIED STRUCTURES AND PLATTED LOTS**

**EX B: Proposed New Oil and Gas Regulation Dealing With Fire Protection In the Wildland Urban Interface**

## EXHIBIT 1

### PROPOSED AMENDMENT TO OIL AND GAS SETBACK FOR OCCUPIED STRUCTURES AND PLATTED LOTS

#### 1-1.1.F Standards Required for Oil and Gas Facilities

##### 2. Setbacks

a. All oil and gas Facilities shall be located at least:

- i. ~~One (1) mile 2,000 ft.~~ from any occupied structure as measured from the pad boundary.
- ii. ~~2,000 ft.~~ One (1) mile from the nearest boundary of any ~~platted lot smaller than 15 acres area zoned residential~~ as measured from the well pad boundary.

b. The ~~2,000-foot one (1) mile setbacks~~ from ~~occuioed structures and any area zoned residential occupied structures or platted lots~~ referenced in subparagraphs ~~5-3.6.F.a.i and ii-1-1.1.F.2.a~~ above may be reduced to a lesser setback:

~~i. If the owner(s) of the occupied structure(s) or all owners of the affected platted lots agree in writing to a lesser setback and the fire district agrees to provide service to the Oil and Gas Facility; however, even with owner consent, in no case may the setback be reduced below 500 feet; or~~

~~ii. If, as shown on the Oil and Gas Facility Operations Plan submitted with the application, any and all well tanks, tanks, separation equipment, compressors and any stored hazardous or explosive materials on the Oil and Gas Facility pad will be located or stored more than 2,000 feet from the nearest occupied structure or all affected platted lots; or~~

~~iii. Only if~~ an Oil and Gas Facility application that includes a lesser setback is submitted, ~~it must be and~~ approved by the Board of County Commissioners through the Use by Special Review process provided in Section 5-3.4 of the Land Development. For approval of any lesser setback under this subparagraph, the Operator must establish that the lesser setback as provided will provide substantially equivalent protection to a ~~2,000-foot setback~~ one (1) mile setback and that the granting of the lesser setback will not adversely impact public health, safety, or welfare or the environment.

In reviewing the proposed lesser setback, the Board of County Commissioners shall consider the extent to which the operator provides an alternative Oil and Gas Facility design,

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best management practices, control technologies, or proposes conditions of approval that will be effective to avoid, minimize, or mitigate adverse impacts on the affected properties, considering:

(a) geology, technology, and natural or added features (such as gradients or berms), hazards, or topography;

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(b) the location and use of occupied structures and areas zoned residential and proximity to those structures and areas;

(c) the anticipated size, duration, and intensity of all phases of the proposed oil and gas operations at the proposed oil and gas location, and

iv. However, in no case may ~~the 2,000-foot~~ the one (1) mile setback from occupied structures and platted lots be reduced below ~~500-~~ ½ feet.

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<sup>1</sup> As stated in the explanatory letter this distance should be something in excess of 2,500 feet as found in the City of Boulder residential setback regulations.

## EXHIBIT 2

### PROPOSED NEW OIL AND GAS REGULATION DEALING WITH FIRE PROTECTION IN THE WILDLAND URBAN INTERFACE

#### 1-1.1.F.3. Health and Safety Requirements

d. Wildland Areas Designated as Having Significant Risk of Fire Spread: No Oil and Gas Facility shall be located within any portion of the Wildland Urban Interface (WUI) designated by the Office of Emergency Management (OEM) as having a significant risk of fire spread unless written consent has been first granted by both the OEM and any Fire Marshall or Fire Chief with jurisdiction over the WUI area so designated. Consent shall require proof of the satisfaction of both the OEM and fire authority with jurisdiction of the presence of needed time and distance to respond; precautionary measures to be taken; adequate training to be performed; and adequate fire prevention and suppression equipment available.

For the purposes of this regulation, Wildland Urban Interface (WUI) shall be defined as that one (1) mile wide wildland area where the boundaries of wildland areas and urban/residential areas adjoin.

## Ava Pecherzewski

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**From:** Diane Kocis  
**Sent:** Wednesday, July 12, 2023 1:20 PM  
**To:** Ava Pecherzewski  
**Subject:** FW: Proposed Amendment to Land Development Code Re. Crypto-Mining as an Adjunct to Oil and Gas Facilities  
**Attachments:** Ltr re. objection to allowing crypto-currency mining as an accessory to oil and gas facilities (1).docx

Here's John Granger's letter re crypto-mining.

**From:** John Granger <1jagranger@gmail.com>  
**Sent:** Monday, June 19, 2023 7:24 AM  
**To:** Carrie Warren-Gully <CWarrenGully@arapahoegov.com>; Jeff Baker <JBaker@arapahoegov.com>; Jessica Campbell-Swanson <JCampbell-Swanson@arapahoegov.com>; Leslie Summey <LSummey@arapahoegov.com>; Bill L. Holen <BHolen@arapahoegov.com>; Bryan Weimer <BWeimer@arapahoegov.com>; Jason Reynolds <JReynolds@arapahoegov.com>; Diane Kocis <DKocis@arapahoegov.com>  
**Cc:** Kevin Chan <kevchan85@icloud.com>  
**Subject:** Proposed Amendment to Land Development Code Re. Crypto-Mining as an Adjunct to Oil and Gas Facilities

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Commissioners and Staff: Please see the attached letter and exhibits making objections to the draft Code change re crypto-mining.

Thank you. John Granger.

EX 1: [Colorado oil and gas companies pair with cryptocurrency miners \(coloradosun.com\)](https://coloradosun.com)

EX 2: [Exposing Climate Threats From an Empire of Dying Gas Wells \(bloomberg.com\)](https://bloomberg.com)

EX 3: [Crypto Mining at Gas Wells Sparks Regulatory Headaches, Outcry in Northwestern Pennsylvania \(capitalandmain.com\)](https://capitalandmain.com)

EX 4: [Cryptocurrency mines found at Colorado oil and gas sites | 9news.com](https://9news.com)

EX 5: [Technology: UNM researchers find Bitcoin mining is environmentally unsustainable: UNM Newsroom](#)

June 16, 2023

John A. Granger, J.D. ret.  
6391 S. Patsburg Ct.  
Aurora, CO 80016

Carrie Warren-Gully, Chair, Arapahoe County Commissioners

Jeff Baker, Arapahoe County Commissioner

Jessica Campbell-Swanson, Arapahoe County Commissioner

Leslie Summey, Arapahoe County Commissioner

Bill Holen, Arapahoe County Commissioner

Bryan D. Weimer, Director, Public Works and Development

Jason Reynolds, Planning Division Manager

Diane Kocis, Arapahoe County Energy Specialist

Re: Proposed Arapahoe County Oil and Gas Facilities Regulation Amendments and Additions Re Cryptocurrency “Mining” as “an accessory to oil and gas facilities”

Commissioners and Staff:

This is the third of the letters dealing with the County of Arapahoe’s effort to produce what Commission Chairperson Warren Gully trusts will be the “best oil and gas regulations in the State of Colorado.” This third letter deals with what at first glance may appear to be an innocuous, editorial clean-up of the County’s Land Development Code. It is described by Diane Kocis in her published list of County regulatory amendment topics as simply to: “allow natural gas-powered crypto-currency mining as an accessory to oil and gas facilities.” [Emphasis supplied.] Both the non-profit Save-The-Aurora-Reservoir (STAR) and I find such a change anything but innocuous and editorial, and seriously object to such a change, especially during Phase 1 of the amendment consideration process.

### **What Crypto-Currency “Mining” Really Is:**

Crypto-“mining” is of course not really mining at all. When coupled with oil and gas facilities, it describes a marriage of bitcoin-style data processing computers (usually housed in trailers) being coupled with gas wells which have modest levels of natural gas left over after extraction is complete. Generators are attached to the nearly spent gas well heads to cheaply power the energy-hungry crypto-currency transaction computers. This marriage results in crypto-“mining.”

### **The COGCC Reports That Arapahoe County Originally Said No:**

In July of 2022, the COGCC surveyed local governments to see if they had any crypto-mining rules and whether they wished to be notified if the Commission found crypto-mining occurring within their jurisdiction. Reportedly, Arapahoe County was one of four counties that said such oil and gas powered crypto-mining would not be permitted in their county without further regulation. [See pp. 2 of **EXHIBIT 1 --The Colorado Sun Article of August 29, 2022.**] Why make a change in position now without careful investigation and further debate?

### **There Remain Good Reasons Not to Permit Crypto-Mining As an Adjunct to Oil and Gas Facilities:**

Very good reasons remain for not allowing the marriage between nearly spent oil and gas facilities and crypto-mining. These reasons include the following:

- Crypto-Mining entities look for nearly spent wells that they can purchase the rights to and often extend the lives of by 10 years or more to use for crypto-mining. The problem is that these older nearly spent wells are the very place where most leaks occur, leaks which would never occur were the wells and piping properly shut down and capped when they were no longer economically viable to the original extractor. [See: **EXHIBIT 2: An Empire of Dying Wells** and **EXHIBIT 3: Crypto Mining at Gas Wells Sparks Regulatory Headaches, Outcry in Northwestern Pennsylvania**]
  - Adams County remains concerned about fumes, noise and fire hazards from the generators used to capture the remaining natural gas. [ **EXHIBIT 4: High-powered computers at Adams County oil and gas sites are mining cryptocurrency**]
  - In Jackson County where D90 Energy has teamed up with Denver-based Crusoe Energy to use stranded natural gas from oil and gas facilities to power crypto mining, Earthworks Colorado’s field advocate Andrew Klooster, who has actively been monitoring emissions complains:

“This is some of the most inefficient [flaring] combustion I’ve seen in the State...We’re seeing flaring even with the Crusoe units operating.” [See: pp. 6 of **EXHIBIT 1**]

- Researchers at the University of New Mexico in a paper dated September 2022 assessed crypto-mining’s sustainability and concluded it is not environmentally sustainable:

“Globally, the mining, or production of Bitcoin is using tremendous amounts of electricity, mostly from fossil fuels, such as coal and natural gas. This is causing huge amounts of air pollution and carbon emissions, which is negatively impacting our global climate and health.” [**EXHIBIT 5: Technology: UNM researchers find Bitcoin mining is environmentally unsustainable**]

**Conclusion:**

Each of these points clearly lead to the conclusion that allowing crypto-mining simply as a so-called “adjunct” to oil and gas facilities, particularly without careful study and further regulation, is irresponsible. For that reason both STAR and I strenuously object to allowing crypto-mining as a Permitted Use in the Land Use Table of Chapter 3 of the County’s Land Development Code as part of Phase 1 of the County’s consideration of regulatory amendments.

Sincerely,

/s/

John A. Granger, J.D. ret.

**EXHIBITS:**

**EXHIBIT 1 --The Colorado Sun, Article of August 29, 2022.]**

**EXHIBIT 2: An Empire of Dying Wells**

**EXHIBIT 3: Crypto Mining at Gas Wells Sparks Regulatory Headaches, Outcry in Northwestern Pennsylvania**

**EXHIBIT 4: High-powered computers at Adams County oil and gas sites are mining cryptocurrency**

**EXHIBIT 5: Technology: UNM researchers find Bitcoin mining is environmentally unsustainable**

## Ava Pecherzewski

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**From:** Diane Kocis  
**Sent:** Wednesday, July 12, 2023 1:04 PM  
**To:** Ava Pecherzewski  
**Subject:** FW: Oil and Gas regulation amendments  
**Attachments:** PROPOSED MODIFICATIONS TO COUNTY OF ARAPAHOE SETBACKS.docx

Here's a Granger letter from June 23<sup>rd</sup>. I will also send his exhibits (the Word docs) for his earlier in June letters.

**From:** John Granger <1jagranger@gmail.com>  
**Sent:** Friday, June 23, 2023 2:17 PM  
**To:** Diane Kocis <DKocis@arapahoegov.com>; Jason Reynolds <JReynolds@arapahoegov.com>; Bryan Weimer <BWeimer@arapahoegov.com>  
**Cc:** Jessica Campbell-Swanson <JCampbell-Swanson@arapahoegov.com>; Jeff Baker <JBaker@arapahoegov.com>  
**Subject:** Oil and Gas regulation amendments

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Diane, Jason and Bryan:

Enclosed please find my proposed amendments to your latest draft of the Oil and Gas Regulations following the Open House. Please note the following:

1. These are my own suggested amendments (not STARs) since they vary somewhat from the earlier stated position on behalf of STAR;
2. They use your existing draft regulations and show my suggested changes and edits;
3. They apply the same test to reducing water reservoir setbacks as used for occupied dwellings, that is a "substantial equivalency" test rather than a "downgradient test" or "agreement of owners/operators" test.
4. They apply setbacks to areas zoned residential rather than platted lots.
5. They use appropriate setback distances which meet the Commissioner's objective of "creating the best regulations in the state of Colorado" and recognize the impact of the latest national studies on protection of public health and safety, but without going overboard and risking industry litigation.
6. They deal with Farmer Joe who wants to allow an oil well near his small farm pond.
7. They recognize the need to deal with entities like Prosper Development which have existing recorded Surface Use Agreements and wish to allow reduced setbacks.

I would be happy to meet with you at any time to discuss these suggested amendments. I am copying Commissioners Campbell-Swanson and Baker since I have either already met with or am planning to meet with each of them to discuss my suggested amendments.

Thanks for your consideration of these amendments and edits.

**PROPOSED MODIFICATIONS TO COUNTY OF ARAPAHOE'S OIL AND GAS  
SETBACKS NEEDED TO BOTH MEET THE COMMISSIONERS CHALLENGE TO HAVE  
"THE BEST OIL AND GAS REGULATIONS IN COLORADO" AND TO REGULATE NOT  
DELEGATE THE RESPONSIBILITY TO PROTECT PUBLIC HEALTH, SAFETY AND THE  
ENVIRONMENT**

*JOHN A. GRANGER, J.D. RET.*

2. Setbacks

a. All Oil and Gas Facilities shall be located at least:

i. ~~2,000~~ 3,000 feet from any occupied structure as measured from the pad boundary.

ii. ~~2,000~~ 3,000 feet from the nearest boundary ~~of a platted lot smaller than 15 acres in area~~ any area zoned residential as measured from the pad boundary.

iii. ~~200~~ 500 feet from any adjacent property's boundary line as measured from the pad boundary.

iv. ~~100~~ 250 feet from public rights-of-way as measured from the pad boundary.

v. ~~2,000~~ 3,000 feet from a Designated Outside Activity Area as measured from the pad boundary.

vi. ~~2,620~~ 5,000 feet from the nearest property line of an operating or closed landfill as measured from the pad boundary.

vii. Outside of a 100-year floodplain ~~or~~ and at least ~~500~~ 1,000 feet from the edge of any perennial surface water body, the ordinary high water mark of any perennial or intermittent stream or the edge of any riparian area, whichever is the greatest distance, as measured from the pad boundary, unless CPW has waived or modified the setback from the stream, surface

water, or the riparian area following in accordance with COGCC Rules 309 and 1202.

~~viii. d. Water Reservoir Setbacks: All Oil and Gas Facilities shall be located:~~

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~~(1) i. At least ~~one-mile~~ 5,000 feet from existing or planned and adjudicated water reservoirs, over 100 acre feet in size or used for drinking water storage, unless the applicant can demonstrate that the Oil and Gas Facility is downgradient from the reservoir, in which case a 2,000 foot setback shall apply.~~

~~ii. With approval from the reservoir owner or operator, the setback may be reduced to the 500-foot setback applicable to other perennial surface water bodies.~~

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~~ix. All access roads shall be at least 250 feet from a residential or non-residential property line, excluding light or heavy industrially zoned properties.~~

b. The ~~2,000-3,000 and 5,000~~ feet setbacks from occupied structures, Designated Outside Activity Areas, areas zoned residential, or platted lots water reservoirs referenced in subparagraphs 5-3.6.F.2.a.i, ~~and ii, v and viii~~ above may be ~~also~~ reduced to a lesser setback:

~~i. If the owner(s) of the occupied structure(s) or all owners of the affected platted lots agree in writing to a lesser setback and the fire district agrees to provide service to the Oil and Gas Facility; however, even with owner consent, in no case may the setback be reduced below 500 feet; or~~

~~ii. If, as shown on the Oil and Gas Facilities Plan submitted with the application, any and all wells, tanks, separation equipment, compressors and any stored hazardous or explosive materials on the Oil and Gas Facility pad will be located or stored more than 2,000 feet from the nearest occupied structure or all affected platted lots; or~~

~~iii~~ i. If, and only if -an Oil and Gas Facility application that includes a lesser setback is submitted, it must be and approved by the Board of County Commissioners through the Use by Special Review process provided in Section 5-3.4 of the Land Development Code. For approval of any lesser setback under ~~the~~ this subparagraph, the Operator must establish that the lesser setback as proposed will provide substantially equivalent protection to a ~~2,000-3,000~~ foot (or in the case of Water Reservoirs 5,000 foot) setback and that by granting the lesser setback will not adversely impact public health, safety, or welfare, or the environment. In reviewing the proposed lesser setback, the Board of County Commissioners shall consider the extent to which the operator provides an alternative Oil and Gas Facility location, design, best management practices, control technologies, ~~or~~ and proposes conditions of approval that will be effective to avoid, minimize, ~~or~~ and mitigate adverse impacts on the affected properties, considering:

- (a) geology, hydrology, technology, and natural features (such as downgradients), hazards or topography (such as berms);
- (b) the location and use of any occupied structures and proximity to those structures; and
- (c) the anticipated size, duration, and intensity of all phases of the proposed oil and gas operations, at the proposed oil and gas location.

***(d) the likelihood and expected dispersal of and nature of airborne pollutants from the Oil and Gas Facility;***

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***(e) The likelihood and expected dispersal and nature of spills and leaks from equipment used by the Oil and Gas Facility;***

(d) whether, as shown on the Oil and Gas Facilities Plan submitted with the application, any and all wells, tanks, separation equipment, ***flowlines, tank batteries, valves***, compressors, and any stored hazardous or explosive materials on the Oil and Gas Facility pad will be located or stored more than ***3,000 feet*** from the nearest occupied structure or area zoned residential; and

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***(e) whether an existing Surface Use Agreement is in place and properly recorded for the property in question.***

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iv. However, in no case may the ~~2,000~~3,000-foot setback from occupied structures, ~~reservoirs, Designated Outside Activity Areas,~~ or ~~platted lots areas zoned residential~~ be reduced below ~~500~~ 1,500 feet.

c. Reverse Setbacks: No new occupied structure shall be constructed less than:

i. ~~250~~ 500 feet from and existing Oil and Gas well of any status (permitted but not drilled yet, drilling, completing, producing, active gas storage, injecting, shut-in, temporarily abandoned, dry and abandoned, or plugged and abandoned prior to 2014).

ii. ~~150~~ 300 feet from a plugged and abandoned oil and gas well or remaining equipment that was plugged and abandoned from 2014 onward.

~~d. Water Reservoir Setbacks: All Oil and Gas Facilities shall be located:~~

~~i. At least one mile from existing or planned water reservoirs, unless the applicant can demonstrate that the Oil and Gas Facility is downgradient from the reservoir, in which case a 2,000 foot setback shall apply.~~

~~ii. With approval from the reservoir owner or operator, the setback may be reduced to the 500-foot setback applicable to other perennial surface water bodies.~~

## Ava Pecherzewski

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**From:** Diane Kocis  
**Sent:** Wednesday, July 12, 2023 1:16 PM  
**To:** Ava Pecherzewski  
**Subject:** FW: Suggested edits to proposed regulations following discussion with Commissioner Baker  
**Attachments:** PROPOSED MODIFICATIONS TO COUNTY OF ARAPAHOE SETBACKS Discussed with Commissioner Baker.docx

This is John Granger's most recent letter, after talking to Jeff Baker – he backed off some of his original demands for setbacks.

**From:** John Granger <1jagranger@gmail.com>  
**Sent:** Thursday, July 6, 2023 1:23 PM  
**To:** Jeff Baker <JBaker@arapahoegov.com>; Jason Reynolds <JReynolds@arapahoegov.com>; Diane Kocis <DKocis@arapahoegov.com>  
**Cc:** Jessica Campbell-Swanson <JCampbell-Swanson@arapahoegov.com>; Carrie Warren-Gully <CWarrenGully@arapahoegov.com>  
**Subject:** Suggested edits to proposed regulations following discussion with Commissioner Baker

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All: Commissioner Baker and I had a very productive discussion in which we discussed simple, straight forward, and pragmatic edits to the proposed regulations. At the completion of the discussion, he asked that I forward the proposed changes to staff. I am also copying Commissioner Campbell-Swanson and Commissioner Warren-Gully because of our similar and/or planned discussions.

Please note these represent give-and-take changes that have not been discussed with or approved by STAR, Colorado Rising or the Sierra Club but represent only my own thoughts and my discussions with Commissioner Baker. Let me know if you have any questions. Regards, John

**PROPOSED MODIFICATIONS TO COUNTY OF ARAPAHOE'S OIL AND GAS  
SETBACKS NEEDED TO REGULATE NOT DELEGATE THE RESPONSIBILITY TO  
PROTECT PUBLIC HEALTH, SAFETY AND THE ENVIRONMENT**

JOHN A. GRANGER, J.D. RET. 7/6/23

2. Setbacks

a. All Oil and Gas Facilities shall be located at least:

i. ~~2,000~~3,000 feet from any occupied structure as measured from the pad boundary.

ii. ~~2,000~~3,000 feet from the nearest boundary ~~of a platted lot smaller than 15 acres in area~~any area zoned residential as measured from the pad boundary.

iii. 200 feet from any adjacent property's boundary line as measured from the pad boundary.

iv. 100 feet from public rights-of-way as measured from the pad boundary.

v. ~~2,000~~3,000 feet from a Designated Outside Activity Area as measured from the pad boundary.

vi. ~~2,620~~3,000 feet from the nearest property line of an operating or closed landfill as measured from the pad boundary.

vii. Outside of a 100-year floodplain ~~or~~and at least 500 feet from the edge of any perennial surface water body, the ordinary high water mark of any perennial or intermittent stream or the edge of any riparian area, whichever is the greatest distance, as measured from the pad boundary, unless CPW has waived or modified the setback from the stream, surface water, or the riparian area following in accordance with COGCC Rules 309 and 1202.

viii. ~~Water Reservoir Setbacks: All Oil and Gas Facilities shall be located:~~

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(1) i. At least ~~one-mile~~ 3,000 feet from existing or planned and adjudicated water reservoirs, over 100 acre feet in size or used for drinking water storage. ~~unless the applicant can demonstrate that the Oil and Gas Facility is downgradient from the reservoir, in which case a 2,000 foot setback shall apply.~~

ii. ~~With approval from the reservoir owner or operator, the setback may be reduced to the 500-foot setback applicable to other perennial surface water bodies.~~

~~ix viii.~~ All access roads shall be at least 250 feet from a residential or non-residential property line, excluding light or heavy industrially zoned properties.

b. The ~~2,000~~ 3,000 feet setbacks from occupied structures, Designated Outside Activity Areas, areas zoned residential, or ~~platted lots~~ water reservoirs referenced in subparagraphs 5-3.6.F.2.a.i, ~~and ii, v and viii~~ above may be ~~also~~ reduced to a lesser setback:

~~i. If the owner(s) of the occupied structure(s) or all owners of the affected platted lots agree in writing to a lesser setback and the fire district agrees to provide service to the Oil and Gas Facility; however, even with owner consent, in no case may the setback be reduced below 500 feet; or~~

~~ii. If, as shown on the Oil and Gas Facilities Plan submitted with the application, any and all wells, tanks, separation equipment, compressors and any stored hazardous or explosive materials on the Oil and Gas Facility pad will be located or stored more than 2,000 feet from the nearest occupied structure or all affected platted lots; or~~

~~iii i.~~ If, and only if an Oil and Gas Facility application that includes a lesser setback is submitted, it must be and approved by the Board of County Commissioners through the Use by Special Review process provided in Section 5-3.4 of the Land Development Code. For approval of any lesser

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setback under ~~the~~this subparagraph, the Operator must establish that the lesser setback as proposed will provide substantially equivalent protection to a ~~2,000~~3,000 foot setback and that by granting the lesser setback will not adversely impact public health, safety, or welfare, or the environment. In reviewing the proposed lesser setback, the Board of County Commissioners shall consider the extent to which the operator provides an alternative Oil and Gas Facility location, design, best management practices, control technologies, ~~or~~and proposes conditions of approval that will be effective to avoid, minimize, ~~or~~and mitigate adverse impacts on the affected properties, considering:

- (a) geology, hydrology, technology, and natural features (such as downgradients), hazards or topography (such as berms);
- (b) the location and use of any occupied structures and proximity to those structures; and
- (c) the anticipated size, duration, and intensity of all phases of the proposed oil and gas operations, at the proposed oil and gas location.

**(d) the likelihood and expected dispersal of and nature of airborne pollutants from the Oil and Gas Facility;**

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**(e) The likelihood and expected dispersal and nature of spills and leaks from equipment used by the Oil and Gas Facility;**

(f) whether, as shown on the Oil and Gas Facilities Plan submitted with the application, any and all wells, tanks, separation equipment, **flowlines, tank batteries, valves**, compressors, and any stored hazardous or explosive materials on the Oil and Gas Facility pad will be located or stored more than **3,000 feet** from the nearest occupied structure or area zoned residential; and

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**(g) whether an existing Surface Use Agreement is in place and properly recorded for the property in question.**

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***[Note language above which is bolded and italicized is new.]***

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iv. However, in no case may the ~~2,000~~3,000-foot setback from occupied structures, reservoirs, Designated Outside Activity Areas, or platted lots areas zoned residential be reduced below ~~500~~ 1,500 feet.

c. Reverse Setbacks: No new occupied structure shall be constructed less than:

- i. ~~250~~ 500 feet from and existing Oil and Gas well of any status (permitted but not drilled yet, drilling, completing, producing, active gas storage, injecting, shut-in, temporarily abandoned, dry and abandoned, or plugged and abandoned prior to 2014).
- ii. ~~150~~ 300 feet from a plugged and abandoned oil and gas well or remaining equipment that was plugged and abandoned from 2014 onward.

~~d. Water Reservoir Setbacks: All Oil and Gas Facilities shall be located:~~

- ~~i. At least one-mile from existing or planned water reservoirs, unless the applicant can demonstrate that the Oil and Gas Facility is downgradient from the reservoir, in which case a 2,000-foot setback shall apply.~~
- ~~ii. With approval from the reservoir owner or operator, the setback may be reduced to the 500-foot setback applicable to other perennial surface water bodies.~~

~~d. **Wildland Areas Designated as Having Significant Risk of Fire Spread:** No Oil and Gas Facility shall be located within any portion of the Wildland Urban Interface (WUI) designated by the Office of Emergency Management (OEM) as having a significant risk of fire spread unless written consent has been first granted by both the OEM and any Fire Marshall or Fire Chief with jurisdiction over the WUI area so designated. Consent shall require proof of the satisfaction of both the OEM and fire authority with jurisdiction of the presence of needed time and distance to respond; precautionary measures to be taken; adequate training to be performed; and adequate fire prevention and suppression equipment available.~~

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For the purposes of this regulation, Wildland Urban Interface (WUI) shall be defined as that one (1) mile wide wildland area where the boundaries of wildland areas and urban/residential areas adjoin.

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## Ava Pecherzewski

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**From:** Marsha Kamin <marshagkamin@comcast.net>  
**Sent:** Thursday, June 29, 2023 5:51 PM  
**To:** Diane Kocis  
**Subject:** Public Comments regarding the Arapahoe County Oil and Gas revised regulations

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Ms. Kocis,

I, like many other residents in Arapahoe County, moved here specifically to be away from oil and gas development. Now, many of my neighbors are talking about listing their homes and getting away from Arapahoe County. The angst in our area is growing. I chose to live in a densely populated residential area, along side open conservation land, to enjoy the benefits of wide open spaces, trails, parks and bike paths. People come from all over to recreate at the Aurora Reservoir, where power boats are not even allowed to pollute the water, air or noise. It attracts tourists from everywhere.

I have carefully read the proposed oil and gas regulation revisions and would like to address setbacks. Knowing that developers can drill horizontally up to 6 miles from the well, I feel that the County must notify everyone affected by this intended drilling, at least 1 mile from the end of the horizontal drilling, the actual OGD footprint, about this intended OGD nearby their homes. Public notification is essential and this would cover a wide radius surrounding oil and gas operations.

In fact, setbacks from all well pads must be a minimum of 1 mile from all occupied and unoccupied (future housing sites) dwellings, schools, Reservoirs (including planned Reservoirs) in all of Arapahoe County.

Another essential reason for this setback is explained in a recently published study using statewide air quality monitoring data from California, which investigated whether drilling new wells or increasing production volume at active wells resulted in emissions of fine particulate matter. The authors documented higher concentrations of air pollution at air quality monitoring sites within 2.5 miles of pre-production OGD well sites and 1.25 miles of production OGD well sites. These multiple stressors, along with other physical factors such as noise and vibration, are consistently found in exposure studies to be measurably higher near oil and gas extraction wells and other ancillary infrastructure. The Panel concluded, with a high level of certainty, that concentrations of health-damaging air pollutants, including criteria air pollutants and toxic air contaminants, are more concentrated near OGD activities compared to further away.

It is very windy in Arapahoe County open spaces and the extreme fire risks associated with oil and gas operations is also a concern. We are in a Stage One Drought and it is quite dry in the grasslands.

We need to protect the health and safety of our residents and set an example for the State and the nation by raising our standards for oil and gas regulations. The power to regulate oil and gas in Arapahoe County is in your hands.

Marsha Goldsmith Kamin

## Ava Pecherzewski

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**From:** Kirsten Miller <fosskirsten@yahoo.com>  
**Sent:** Wednesday, June 7, 2023 12:49 PM  
**To:** Diane Kocis  
**Subject:** Re: Comments on Draft Regulations for Oil and Gas Facility in unincorporated Arapahoe County—air quality

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Thanks for that background. It seemed like a big miss to not include it. When do phases 1 and 2 start?

Kirsten

On Jun 7, 2023, at 12:37 PM, Diane Kocis <DKocis@arapahoegov.com> wrote:

Hello Kristen,

Air quality will be addressed in Phase 2 of our amendments. We are going to revise many of the existing rules and add a lot more in Phase 2.

When we wrote the original rules (drafted in 2020 and 2021, adopted Nov 21) we were directed by the former Board of County Commissioners to not include anything about air, other than odor and dust control.

Hope that helps.

**From:** Kirsten Miller <fosskirsten@yahoo.com>  
**Sent:** Wednesday, June 7, 2023 12:34 PM  
**To:** Diane Kocis <DKocis@arapahoegov.com>  
**Cc:** Greg Miller <gmiller.umcp@gmail.com>  
**Subject:** Re: Comments on Draft Regulations for Oil and Gas Facility in unincorporated Arapahoe County—air quality

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Thank you, Diane. When I reviewed the draft regulations, I saw nothing in them to protect or measure air quality as a result of the proposed oil and gas operations. That appears to be missing entirely.

Thanks,

Kirsten Miller

On Jun 6, 2023, at 10:21 PM, Diane Kocis <[DKocis@arapahoe.gov](mailto:DKocis@arapahoe.gov)> wrote:

Hello Kristen,

Thank you very much for your detailed review of our oil and gas regulations and comments. I have passed your comments on to my managers and filed them where they will be seen by everyone working on the Phase 1 and Phase 2 rules.

I wanted to email tonight to let you know that I will send you a detailed response in the next day or so. Your comment about the reservoir setback will apply to the new rules we plan to adopt in the next 3-4 months (Phase 1) and the other comments relate to our complete review of our existing rules later this year (Phase 2).

Please stay tuned.

Thank you,

I am working a hybrid schedule with in-office days and remote work days. Email is the best way to reach me but you can also reach me on my County cell phone at 720-425-0422.

*Diane Kocis*

Energy Specialist  
Arapahoe County Planning Division  
[dkocis@arapahoe.gov](mailto:dkocis@arapahoe.gov)

**From:** Kirsten Miller <[fosskirsten@yahoo.com](mailto:fosskirsten@yahoo.com)>  
**Sent:** Sunday, June 4, 2023 7:59 AM  
**To:** Diane Kocis <[DKocis@arapahoe.gov](mailto:DKocis@arapahoe.gov)>  
**Cc:** Greg Miller <[gmiller.umcp@gmail.com](mailto:gmillr.umcp@gmail.com)>  
**Subject:** Comments on Draft Regulations for Oil and Gas Facility in unincorporated Arapahoe County

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi, Diane:

Here are my comments on Draft Regulations for Oil and Gas Facility in unincorporated Arapahoe County.

Thanks,  
Kirsten Miller

- Especially considering the density of our housing within 2,000 feet of the proposed oil and gas development, the draft regulations have definitive loopholes for less than 2,000 foot setbacks, and this needs to be amended (in 2a):
  - If the owner(s) of the occupied structure(s) or all owners of the affected platted lots agree in writing to a lesser setback and the fire district agrees to provide service to the Oil and Gas Facility; however, even with owner consent, in no case may the setback be reduced below **500 feet**
  - 2C: No new occupied structure shall be constructed less than **250 feet** from an existing Oil and Gas well of any status (permitted but not drilled yet, drilling, completing, producing, active gas storage, injecting, shut-in, temporarily abandoned, dry and abandoned, or plugged and abandoned prior to 2014).
  - 2C: Reverse Setbacks: No new occupied structure shall be constructed less than **150 feet** from a plugged and abandoned oil and gas well or remaining equipment that was plugged and abandoned from 2014 onward.
  - 2d: Water Reservoir Setbacks has too many loopholes “All Oil and Gas Facilities shall be located: At least one mile from existing or planned water reservoirs, unless the applicant can demonstrate that the Oil and Gas Facility is downgradient from the reservoir, in which case a 2,000 foot setback may apply. With **approval from the reservoir owner or operator, the setback may be reduced to the 500-foot setback applicable to other perennial surface water bodies.**”
- Visual mitigation requirements only allow for required visual mitigation for those “Well pads within 1,320 feet of a property line of a property containing an occupied structure, a platted lot, or a parcel of 40 acres or smaller”—**because our current stance is 2,000 feet, this regulation doesn’t hold the operator responsible for hiding the well pads.** And the operator has **a year** to install visual mitigation—far too long!
- Traffic mitigation (16a): “shall make **best efforts** to schedule its traffic to limit heavy truck traffic on County roads during peak commuting hours and during school bus hours”—why is the County not prohibiting this, rather than asking for best efforts? For many neighbors commuting along this route to toward DIA/Buckley, this will definitely affect our commute pattern with additional traffic and damage to our roadways from heavy trucks.
- Groundwater Baseline Sampling and Monitoring (9) is limited to within a ½ mile radius and **depends upon a request from the owner** of such water source or owner of land upon which such water source is located. And the **“requirement to test a well upon request does not apply if the water well has already been tested** by any Operator and the Operator is able to furnish such results to County”—these regulations do not protect our water.
- Noise Mitigation Requirements: Section 10 defines the maximum permissible noise level and then proceeds to allow loopholes around it. This needs to be tightened significantly.
  - “Noise emitted from the facility pad shall not exceed **60 dBA or 65dBC**, measured at the nearest property line of the property with the

nearest occupied structure. These noise levels, as measured, constitute the Maximum Permissible Limit of noise that may be allowed to emanate off site from the Oil and Gas Facility.” Per Centers for Disease Control and Prevention, “Loud Noise Can Cause Hearing Loss,” November 8, 2022, ([https://www.cdc.gov/nceh/hearing\\_loss/what\\_noises\\_cause\\_hearing\\_loss.html](https://www.cdc.gov/nceh/hearing_loss/what_noises_cause_hearing_loss.html)) 60 decibels is comparable to the sounds of normal conversation, air conditioner. Increasing to 70 decibels contributes to annoyance by the noise, and these regulations allow this level for up to an hour per day between 7 a.m. to 7 p.m.:

- (10b): During the hours between 7:00 AM and 7:00 PM, the maximum permissible noise levels may be increased 10 dB(A) for a period not to exceed 15 minutes in any 1-hour period. The increase is permissible ... for a 1-hour period during any 12 hours. **Why would the County allow for this level?**

- **Furthermore, 10c allows for applications for waivers** (“to exceed the Maximum Permissible Limit in accordance with and subject to the standards in Section 5-6-3.6.E.5 above where the Oil and Gas Facility is proposed to be located in an area with existing ambient background noise levels that are at or above the Maximum Permissible Limit or if proposed for an area that is sufficiently remote from any property with an occupied structure or any High Priority Habitat, provided that the lack of High Priority Habitat is supported by recommendation of CPW”) without defining what **sufficiently remote** is.

## Ava Pecherzewski

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**From:** Robert Graham <bgraham5874@gmail.com>  
**Sent:** Thursday, June 29, 2023 12:11 PM  
**To:** Diane Kocis  
**Subject:** Re: Arapahoe County draft oil and gas rules posters are now on our website

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello Diane

I would hope and expect that you have provided a detailed copy of the Denver Post Article that covers this Oil and Gas Leak and the impact the leak has to families - the key is the time to restitution:

"Mark and Julie Nygren didn't set out to be activists, but they are suggesting changes to the oversight of Colorado's oil and gas pipelines based on their experience of losing their home and seeing part of their farm contaminated by a leaking gas line.

More than four years after discovery of the leak, the Nygrens are still renting a house in Johnstown, just north of their Weld County property, and remain embroiled in a lawsuit against DCP Midstream Operating Co., which owned the pipeline. As the Colorado Public Utilities Commission considers new pipeline-safety rules, the Nygrens want to share their hard-won insights with regulators."

I would not rely on those in authority to read the article - copies placed in front is the only way to ensure awareness.

This is a common problem nationwide not just in Colorado.

Thanks

Bob

Robert L. Graham

310 504 4807

On Mon, Jun 26, 2023 at 5:21 PM Diane Kocis <DKocis@arapahoe.gov.com> wrote:

Hello Stakeholders,

It was suggested at the Open House on Wednesday June 21<sup>st</sup> that we include a link on the Arapahoe County Oil & Gas webpage for the posters we displayed that evening, so the [Oil and Gas webpage](#) has been modified to include a link to the posters. The website has also been modified to include a link to the redlined oil and gas regulations (changes) and I've attached [the redlines here](#).

You can also access the posters [here](#).

We want to encourage you to attend the Planning Commission hearing on July 18<sup>th</sup>, 2023, where these 10 proposed oil and gas rules will be presented to the Planning Commissioners. Each person wishing to provide comments will be allowed 3 minutes to speak; However, if you have more than 3 minutes of comments to read, you can pass your remaining comments to another stakeholder attendee who can finish your statements. There will also be a remote participation option for the hearing.

We will send out another email to notify you of the venue for the July 18<sup>th</sup> Planning Commission hearing venue and how to participate remotely. Normally, the Planning Commission meets in the Arapahoe Room in Lima Plaza, 6954 S. Lima St. Because we anticipate high public participation for the hearing, we are seeking a larger venue. The location of the Planning Commission hearing will also be posted on our [Oil & Gas webpage](#) in the next couple of weeks.

Thank you for your comments and participation on our process.

You have been bcc'd on this email message to protect your privacy. Please forward this message to others who may be interested in providing comments or attending the Planning Commission hearing on July 18<sup>th</sup>.

Sincerely,

I am working a hybrid schedule with in-office days and remote work days. Email is the best way to reach me but you can also reach me on my County cell phone at 720-425-0422.

*Diane Kocis*

Energy Specialist

## Ava Pecherzewski

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**From:** Seema Rajapurohit <seema\_suni@yahoo.com>  
**Sent:** Thursday, June 29, 2023 8:25 PM  
**To:** Diane Kocis  
**Subject:** Stop Fracking Near Aurora Reservoir

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi,

Seema Kulkarni here. We bought this beautiful, big dream house just opposite the Aurora Reservoir with the intention to enjoy the nice Lake and the peaceful residential neighborhood.

Unfortunately, that is not the case as Civitas is planning to frack near this reservoir and we totally oppose this. The entire neighborhood and area will be smelling of horrible chemicals, the beauty of the reservoir will be lost, and people will get sick with all kinds of cancer, dental problems, skin diseases etc. Moreover, The water will no longer be clean, fresh, and potable. Also, the oil and gas wells will catch fire and burn the entire area (grasslands) and also people's homes. We don't want our dream home to be burned down. We don't want any fracking and oil and gas wells anywhere near us nor the Aurora Reservoir. This proposed fracking project is life-threatening, which is why we are fully against this project. Please make it a rule that any fracking and oil and gas should be 50 miles away from the Aurora Reservoir area. Please stop this project now.

Seema

**From:** [Tisha Foard](#)  
**To:** [Diane Kocis](#)  
**Subject:** Lowry CAP  
**Date:** Thursday, June 29, 2023 10:42:43 PM

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**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello!

I am writing to you as a concerned citizen and mother. I stand in opposition to any and all fracking within Arapahoe County, especially any located near communities with children, like the proposed Lowry CAP by Civitas. Please consider sticking to a MINIMUM of a mile setback from all rivers, reservoirs, and homes, or better yet, stop the project all together. Here's why:

### **Air Quality/Pollution**

The EPA has reclassified Colorado's Front range non attainment as a "severe" violator of federal air quality standards. In 2021 there were 65 ozone action days from May 31 to Aug 31, the highest number recorded since recording started in 2011. The fracking proposed at the Lowry Ranch CAP will produce volatile organic compound (VOC) emissions which form ozone. This can cause lung damage and premature death. The common air pollutants from drilling and fracking chemicals are linked to higher rates of cancers, childhood leukemia, sperm abnormalities, reduced fetal growth, cardiovascular disease, and respiratory dysfunction. (Colorado Fiscal Institute 2023). In light of this, it is little wonder that the Center for Biological Diversity has sued the EPA for its approval of Colorado's State Implementation Plan for air pollution emissions.

Additionally (and more importantly for my particular family), the National Library of Medicine has published a study that finds "a significant association between CO concentrations and epileptic seizure risk . . . with an increased seizure risk of 4%" ( Zhuying et al. 2022). My nine year old son has epilepsy. Exposing him to such concentrations of air pollution as will be generated by this project is not just unfair. It's unconscionable. My son is certainly not the only child living with epilepsy near this proposed site. In fact, one of the drill pads planned will be less than a mile away from my son's elementary school, exposing ALL of the children at Altitude Elementary AND Woodlands Elementary to unsafe levels of air pollution.

### **Water**

Colorado is currently a part of a superdrought located in all of the western United States. The EPA estimates that the annual water requirement for horizontal wells is as high as 140 billion gallons of water per year. With the current watering restrictions (2 times/week) for Aurora residents, this seems needlessly wasteful.

The Lowry Cap cumulative impacts statement itself states that it intends to use 17,858,400 gallons of water PER WELL, and that the water will come from three sources: 1. “excess surface water” 2. Farmers Reservoir Irrigation Company and 3. Rangeview Metropolitan District water. What excess surface water do we possibly have? Rangeview services the Lowry Range, which is where the Aurora Reservoir is located. This reservoir is currently only at 54% of its capacity (auroragov.org 2023). Drilling so close to the reservoir that serves such a large portion of the Aurora population is untenable.

### **Cancer**

A peer-reviewed Yale study published in August 2022 found that living within one mile of fracking made small children aged two to seven years 2-3 TIMES more likely to develop leukemia than children not living near wells (Yale News 2022). How can we possibly justify allowing wells to be located so near to five Cherry Creek Schools, my school of employment and my son’s elementary school included? In what world is it acceptable to cause such risk to the lives of thousands of children for the monetary gain of an oil and gas conglomerate that will not return any of that profit to our community?

### **Impacts on Families**

On a personal level, my son has epilepsy. This causes him to be especially susceptible to loud noises and stress. A peer-reviewed study published in both the journal *Science of the Total Environment* and Berkeley News found that “Fracking creates noise at levels high enough to harm the health of people living nearby” (Isreal 2017). Stressful situations and loud, continuous noises have proven to cause seizures that occur more often and with greater intensity in my son. It has been heartbreaking to watch his struggles, and it continues to be heartbreaking to consider the future noise, stress, and pollution from these proposed wells and the effect they will have on my son. My husband and I provide for our family with modest Department of Defense and public school teacher incomes. We cannot afford to move with the housing market and interest rates the way that they are right now. This situation has caused us severe anxiety and emotional distress that we, of course, must hide from our son so as to not adversely impact his health and neuro activity. We have no other way to protect our only child than to appeal to government entities like you.

What is happening to our community is simply put, evil. A large, powerful corporation can come to our idyllic community, use predatory and dishonest tactics to gain mineral rights, hurt our children, use up our precious natural resources, and destroy the environment and wildlife in the area simply because they want more than their already record profits from the last few years. This is just ONE story of how an individual family will be impacted. Can you imagine the impacts on the thousands of other residents near these wells?

Please, we are begging you to help us. Stick to the MINIMUM of a mile setback from all

homes, reservoirs, rivers and streams. Better, stand in opposition to any and all fracking in our area. It is the right thing to do. Please put the children and elderly of Arapahoe County before monetary gain. Thank you so much for your time.

Sincerely,

Tisha Foard  
Arapahoe County resident (80016)

# STAR Groups Priority Additional Setbacks/Regulations for Arapahoe County as of 4/30/23

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A. The 3 most important missing setbacks/regulations in order of importance are:

1. Effective setbacks from areas zoned residential/urban
  - a. The County has been operating under the mistaken belief based upon a single State CDPHE study that air dispersal of pollutants is limited to a 2,000 ft. radius. This is based on monitoring of a single well [not a 12 well pad]. The County therefore relies now on a 2,000 ft. setback.
  - b. Nationally accepted studies now show that even without wind drift the area of dispersal is actually 1.25 -2.5 miles
  - c. We therefore suggest at least a minimum 1 to 1.5 mile setback from residential/urban areas (including schools and other public gathering spots), particularly when you are dealing with a multiple well pad site.
  
2. Fire setbacks and regulations in the Wildlife Urban Interface
  - a. The Marshall fire proved how dangerous fires starting in grasslands adjacent to residential neighborhoods can be.
  - b. The key to fire safety is time to suppress, coupled with resources to suppress
    1. A 2,000 ft. setback leaves totally insufficient time to suppress – less than 8 minutes in a grassland fire pushed by a 25 mph wind. Even 1 mile is problematic with 18 minutes to suppress but far better when coupled with regulations such as fire hose hook-ups and suppressive foam required on well pads in the WUI
  - c. We therefore suggest a WUI fire setback of at least 1 mile, coupled with fire hose hook –ups and suppressive foam on any well pads adjacent to the WUI. . [See for example: Broomfield Oil and Gas Code Regs. 17-54-060(T)(8) and (11)]
  
3. Setbacks from drinking water reservoirs
  - a. County has 500 ft. City of Aurora has 1 mile.
  - b. Even with berms or up-slopes to protect against spills entering these reservoirs, the same zone of protection of 1 to 1.5 miles for air

pollutant dispersal is needed as is the case for residential /urban neighborhoods.

B. Other level 2 tier regulations of particular concern (in no particular order of priority) include:

1. Flowline, gathering line, and transfer line regulation:

- a. A detailed plan of the location of gathering lines, on- and off-location flowlines and crude oil transfer lines should be required.
- b. Flowline should be defined as all categories of “flowlines” included in the definition of the COGCC rules (including wellhead lines, production lines, dump lines, manifold piping and process piping).
- c. All flowlines, gathering lines, and transfer lines located within ¼ mile of “ecologically sensitive areas” [such as drinking water resources and sensitive grasslands and wildlife habitats] or residentially/urban zoned neighborhoods should comply with the 2006 Pipeline & Hazardous Material Safety Administration PHMSA regulations as amended.
- d. Because flowlines are prone to methane leakage, and according to the EPA are “one of the largest sources of emissions” in the oil and gas industry:
  1. Flowlines, gathering lines and transfer lines should be setback a minimum of 1,000 ft. from drinking water sources, riparian waterways, and residential/urban neighborhoods; and
  2. Should be monitored for airborne leakage leaks and spills at least every 3 months and, when located in “ecologically sensitive areas” or ¼ mile of residentially zoned areas , at least twice monthly.
- d. Construction of flowlines should be required to comply with appropriate ASME B31.4 and B31.8 standards, as amended
  1. Applicants should be required to provide appropriate clearances between flowlines needed for appropriate inspections and hydrotesting of flowlines and associated isolation valves.

2. Off-location flowlines, Crude Oil Transfer Lines (COTL) and Produced Water Transfer Systems (PWTS):

a. Operators are now required in Form 44 to register and provide as-built information to the COGCC of these lines for the purposes of emergency management and planning. Accordingly, this geo-database information should be required to also be provided to the County so that first responders have the necessary information to address potential emergencies.

b. Setbacks of COTL and PWTS lines and systems from residential, commercial, or industrial buildings, places of public assembly, any surface water body, or sensitive environmental feature should be determined on a case-by-case basis based upon the consideration of the size and type of line and the features of the proposed siting. [See for example: Broomfield Oil and Gas Code Regs. 17-54-060(Q)(1) thru (3)]

3. Surface and groundwater pollution:

a. In order to minimize adverse impacts to surface and sub-surface water bodies, use of chemicals dangerous to human health should be prohibited, including:

i. All chemicals listed in COGCC Table 437-1;

ii. Polysorbate 80; and

iii. Perfluoroalkyl and polyfluoroalkyl substances or “PFAS chemicals” defined as a class of fluorinated organic chemicals containing at least one fully fluorinated carbon atom.

4. Water source quality, sampling and testing:

a. Applicants should be required to sample one up-grade and two downgrade available surface and ground water sources located within a radius of one-half mile of a well pad or facility. If no such water sources are available, samples should be collected within one-mile.

c. Water source testing should be conducted by a qualified independent professional consultant approved by the County at the operator’s expense, and include:

i. Major ions, including: bromide, fluoride, sulfate and nitrate;

ii. Metals, including: arsenic, barium, boron, chromium, copper, iron, lead, manganese, selenium, strontium; and

iii. Dissolved gases and VOCs, including methane, ethane, propane, BTEX as Benzene, Toluene, Ethylbenzene, Xylenes, and Total Petroleum Hydrocarbons (TPH)

1. Should a water source test show a concentration increase of methane or other dissolved gas concentration increases of greater than three (3) mg/l (micrograms per liter) between sampling periods or any presence of a listed VOC, BTEX or TPH, immediate notification of both the COGCC and County so that the source can be identified and remedial action taken.

[See for example: Broomfield Oil and Gas Code Regs. 17-54-060(T)(1) a. thru n.]

5. Air quality, sampling and testing:

- a. Air emissions from proposed facilities should be required to comply with all federal air quality rules and standards, including EPA's New Source Performance Standards and National Emission Standards for Hazardous Pollutants;
  - i. Air emissions from proposed facilities should be required to comply with all COGCC and CDPHE air quality standards and rules, and any and all County emission regulations.
  - ii. Emissions should be required to be below the currently most protective health-based guidelines, including those used by EPA and CDPHE.
  - iii. Carbon-reduction requirements of Arapahoe County should not be allowed to be offset by purchased credits.
  - iv. An Air Quality Control Plan should be required that requires that the Operator use both most effective management techniques and best management practices to minimize impacts to air quality. This should include the use of electric versus gas powered generators.
  - v. A County approved air monitoring plan to be conducted by a qualified third-party consultant, approved by the County should be required. Baseline monitoring should be required within a 500 ft. radius of all well pads and 2,000 ft. of any well pad located within 2 miles of residentially/urban zoned property, a school, public gathering place or a drinking water source.

- vi. The air quality monitoring plan should require constant monitoring both prior to construction, and during all phases of development including drilling and production.
- vii. Monitoring should include: VOCs, Hazardous Air Pollutants (HAPs), BTEX, Hydrogen Sulfide, Oxides of Nitrogen (NOx), Particulate Matter, Fine Particulate Matter, Carbon Monoxide, methane, and carbon dioxide.
- viii. Any increases in the monitored pollutants should be required to be reported to both the COGCC and County so that the source can be identified and appropriate remedial actions taken, including notification of affected citizens.

[See for example: Broomfield Oil and Gas Code Regs. 17-54-060(O) and (P).]

- 6. Wastewater injection wells should be prohibited in Arapahoe County.
- 7. Use of water for oil and gas drilling operations which could otherwise be used for drinking water, should be prohibited during Arapahoe County's Stage D2 and above categorized drought years.
- 8. An effective neighborhood alert process should be developed in the event there is a "significant" contaminant spill; a "significant" spike in airborne toxins; a "significant" drinking water contamination; or a well pad fire. "Significant" should be defined as an incident which exceeds applicable Federal, CDPHE, COGCC, or County standards.
- 9. Special regulations should be developed to monitor any fracking-related hazard which may affect the integrity of areas of particular environmental concern (such as the EPA Superfund site), to include baseline studies to determine special risks. This should include, but not be limited to, seismic risks from fracking and truck traffic. To monitor these risks, regulations should include, but not be limited to, continuous seismic monitoring at these areas and annual studies to check for significant new environmental risks to health and safety.
- 10. Special regulations should be developed to ensure proper containment of wastewater pools, particularly against the risk of overflow caused by the capture of rainwater or excess sediment.

## **Comments (Sticky Notes) from the Open House:**

### **Poster Regarding Reservoir Setbacks**

- Reservoir owners and operators are not tasked with duty to protect public health, safety, welfare and the environment. Cannot delegate decision to them. 1 mile is minimum start. 500 feet is never acceptable. 3,000-feet is absolute minimum.
- What is the scientific basis for a 2,000-foot setback from homes when research shows negative health impacts at much greater than 2,000-feet.
- Neighborhood meetings should notify homeowners within 5 miles of change that is not 1 mile.
- Fracking under homes results in the release of additional radon. Worsening of air quality; increase ozone.
- How do the regulations address noise issues? Wildlife? Fire?
- What is downgradient? One mile is the bare minimum. No oil and gas should be nearby reservoir.
- If a regulation has to be reasonable and justified, what better reason than to protect our population?
- Continue to monitor well water/aquifer for rural homeowners.
- “Unless downgradient conditions can be satisfied” as explained to me by Mr. Weimer, this only is determined by surface gradient. For vertical drilling, different gradients may exist at different depths. Gradients must be considered at surface conditions.
- The comment “with approval from the reservoir owner or operator, the setback may be reduced to a 500-foot setback” lacks protection from the public, and lacks standards for quasi-judicial review.
- What is the basis for reducing setbacks to 2,000 feet? Is there scientific basis that is sufficient?
- “Downgradient condition” appears to be based solely on the well site location. But oil and gas and wastewater will be transported away from well, leading to possible spills.
- Downgradient allowance must be proven through use of independent scientifically based studies and investigation to be at least as safe as 1 mile or more.
- How will house settling issues be resolved?
- Air quality concerns, health concerns, noise issues, wildlife impact, earthquake-stability of reservoir dam, fire potential, water contamination.
- You can’t justify 2,000-ft setback using latest scientific studies.
- Neutral downgradient study must be done. Follow science.
- The topography and hydrology of the drill site matter more than setback. Increase setback if drill pad is in same watershed as reservoir.

## **Poster Regarding Process to Request Lesser Setbacks**

- Civitas Arena welcome banner was a slap in the community's face. Need a neutral space.
- This will be heavily abused by the oil/gas industry.
- No thanks! 2,000 feet is close enough.
- Let us fundraise to help make up the difference of money made – when the CAP is cancelled.
- County rule must be no less than 3,000 feet under any circumstances. Must show major independent study to justify less than 1 mile.
- The provision that lesser setbacks may be approved by BOCC appears to lack standards for the BOCC to make that determination. “Substantially equivalent protection” is too vague – protection from spills? Protection from emissions? Protection from noise? All of the above?
- There needs to be a presumption that the setback must be followed unless the operator can show a lesser setback is necessary to preserve public health, safety and environment.
- People want the rule to be the rule. Stop the back and forth. 2,000 feet +.
- No allowed lesser setbacks. Setbacks are not far enough as proposed.
- No allowed lesser setbacks.
- The setback must be 2,000+ feet, not 500 feet. What about Fires? Wildlife? Stricter setbacks for schools.
- Cancel the CAP. Community to fundraise the \$ to support County programs.
- Please share with the residents of Arapahoe County the \$ amount of campaign donations from O&G to each Commissioner.
- The rule should be at least one mile, not 2,000 feet. Any justification less than 1 mile must be done through an independent certified 3<sup>rd</sup> party to be equivalent to 1 mile or more.

## **Poster Regarding Cryptocurrency**

- Need to address high frequency noise similar to data farms
- How are locals protected from the burning/exhaust of the gas used to power the mining?
- I agree with the letter sent by John Granger re cryptocurrency
- How will the noise be addressed?
- Do mineral right owners get a share of the crypto income that the operator gets?
- What regulations govern infrastructure required for crypto mining sites? These are huge consumers of energy and water.
- How often are capped pads inspected?
- How will you regulate and monitor the emissions from the burned gas? Must be highly controlled and scrubbed to not contribute to our already poor air quality?

- The crypto mining use of gas is just another huge source of local fossil fuel pollution. Why not mandate the oil and gas companies build their own pipeline to move it elsewhere away from populated areas?
- Will the profits pay for the healthcare of local residents?

### **Poster Regarding Additional Application Information**

- How do the rules address wildlife and other features affected by well pad locations, flowlines, access roads, traffic, noise, etc. Are impact statements required?

### **Poster Regarding Post-Incident Meetings**

- Will an alert be blasted on a loud speaker? How will this be informing all affected?
- Citizens should be made aware of all incidents with a timely manner (max 3 days). Transparency is vital to public trust.
- Incident reports should be made available to the public on the Arapahoe County website within 3 calendar days of incident.
- Where a formal incident report is required, further drilling or operations activity should be stopped until the post-incident meeting with County staff is held and the staff determine it is safe to proceed.
- There must be readily accessible public records of all incidents.
- Must be immediate notification/alarms to the public when health, safety and welfare is threatened.
- Since you have post-incident reporting you already know there will be incidents. One incident is too many. Are you willing to gamble with our lives? Put all incidents on the County website.

### **Poster Regarding Facilities Needing to be in Compliance with State and Federal Laws**

- State and Federal laws are not strict enough. Arapahoe County can and should hold to a higher standard.
- Useless amendment. Just for show. Federal and state laws and regulations already apply.
- Arapahoe must follow Commissioner Warren-Gully's statement and set our own level of standards and best practices to be a leader (the best) in protecting public health, safety welfare and the environment. Set the example for other local government units in the state and country. Don't rely on others that we know are lacking.
- The current standards are not strict enough for this urban dense populated area.
- What exactly do the current standards protect? Rules and regulations should protect the health and safety of the environment, communities and wildlife. Fines are not severe enough to deter bad practices.
- Greed.

### **Poster Regarding Access Road Standards**

- Access roads are critical to prevent runoff and damage from spills. These are not sufficient for all of Arapahoe County oil and gas.
- Access road standards should include protection from spills, such as culverts, drainage, etc to divert spills way from land nearby.
- How close will these roads be to the Superfund site? How will the vibrating affect it?
- How will the trucks affect the local residents? Noise, traffic, gas, school kids.
- How will these protect the potential spills?
- Distance from homes and schools – noise, dust are pollution issues. Setbacks from waterways (spills!) and Superfund site. Vibrations from heavy trucks affect site integrity that's already leaking.
- Must have sufficient equipment on-site for immediate reaction to emergencies. Must be approved by emergency management services organization (OEM) and fire department.

### **Poster Regarding Handwashing Facilities**

- Will gas masks/hazmats suits be provided for local children? Will you cover my costs for inhalers so my children don't die?
- This should've been hosted at a neutral space. Arriving to see "Civitas Arena" is not a warm welcome to the community.
- Can you also provide public health financial assurances for those of us breathing the toxic fumes?
- Concerned regarding increased radon infiltrating our homes, Increased ozone and negative health impacts. Concern about fracturing and creating issues with my home's stability. Poison leaking into water supplies.
- Yes but there are much more important topics that must be addressed in Phase 1 – air quality, monitoring, financial assurances, superfund site protection, and more!
- Visual representation showing red lines to show revisions/updates.
- Please load each poster as a PDF with comment option for those who couldn't attend tonight.

### **Poster regarding Neighborhood Meetings**

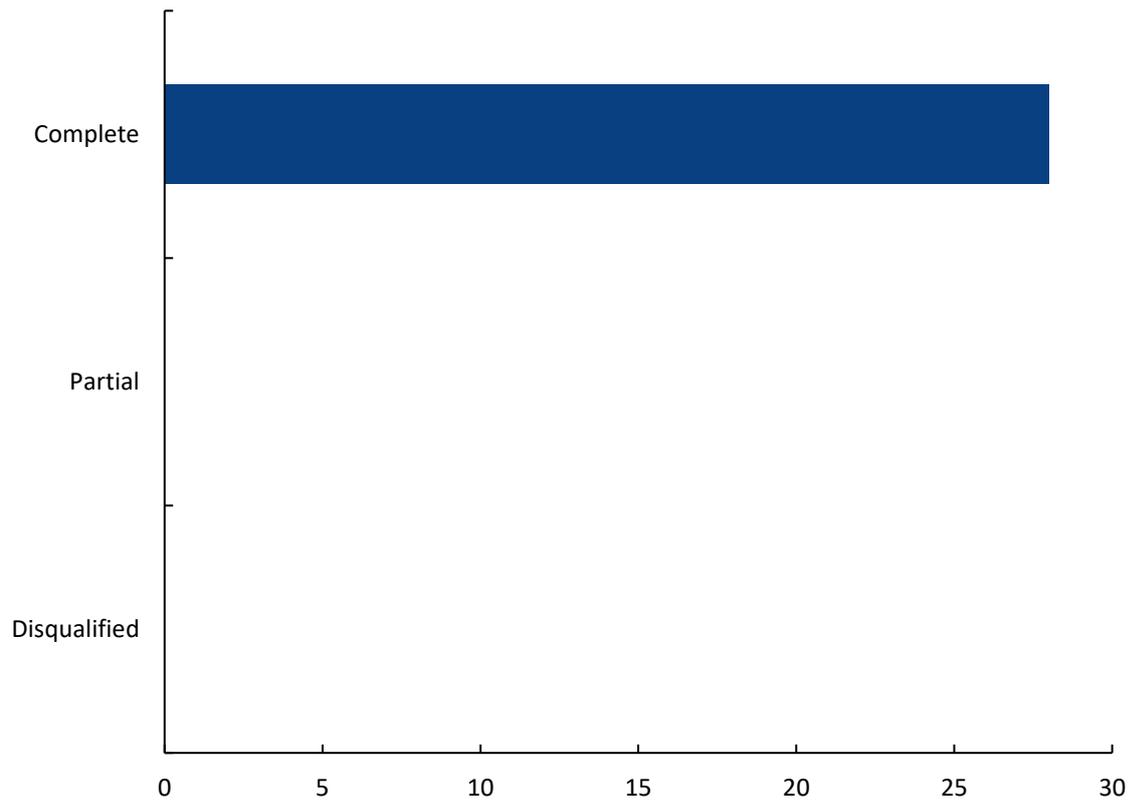
- Does the County perform air quality modeling? If so, could folks down-wind be included in notifications?
- Must notify folks and businesses within at least 10 miles if not the entire County. This will affect everyone's environment as well as public health, safety and welfare. Best science of recent studies shows 5-10 miles and fire issues are more than 1 mile away.
- Arapahoe County needs to be the lead on human life – notices to those only 1 mile away is a joke. This needs to be a minimum of 10 miles.

- Notification should be sent to all owners and HOA's within entire pooling area and not just drill site.
- Notify the entire County of this. Follow the science.
- "Homeowner Association" should be expanded to include all metro districts and other neighborhood organizations.
- Notice area needs to be much farther – 10 miles.
- "One mile of proposed facility" is ambiguous – should include one mile of any portion of the proposed facility, including underground drilling or transportation of oil/gas or wastewater.

# Report for Oil and Gas Comment Form

Oil and Gas Comment Form

## Response Statistics



	Count	Percent
Complete	28	100
Partial	0	0
Disqualified	0	0
Totals	28	

**1. Please provide your suggestions or comments as it regards the proposed Oil and Gas amendments.**

ResponseID	Response
1	xxx
2	<p>1. There should be no exception for one mile setback from drill site to reservoir. 2. Hand washing facilities are already required per OSHA 29 CFR 1910.1030. 3. There should be no exception to 2,000' minimum setback for residential areas. 4. The amendment that the drill sites have to obey state and federal law is theater- state and federal law has supremacy and already applies. 5. Overall the proposed amendments seem to accommodate the oil industry stakeholders, and do not have any positive bearing on public safety or homeowner rights.</p>
3	<p>As a resident of Aurora and Arapahoe County living in a community next to the aurora reservoir, I oppose drilling for gas and oil near the Aurora Reservoir and impacting our rights as citizens and homeowners with mineral rights below our properties, and the right to safe and clean drinking water and an environment free from hazardous drilling operations and gas emissions from these operations. Including toxic chemicals used for fracking purposes that destroy our beautiful land and communities. And I ask that if any such operations do occur that they be set back as far as possible (one mile) to ensure no impact to the Aurora reservoir and to the health and safety of all of the residents. Again, I oppose any and all oil and gas drilling in this area and reservoir ecosystem and would ask that Arapahoe county not allow any drilling for oil and gas near the reservoir of any kind, and impacting the rights of the residence of the city of Aurora and Arapahoe county. I know I speak for my family and many of the residents of Arapahoe county who live near the Aurora Reservoir that we all oppose allowing drilling near our homes, schools, and open spaces and will continue to voice our opposition and use our voting power when possible to ensure protection of our environment and homes.</p>
4	<p>I appreciate attempts to strengthen protection for people and the environment. However this attempt is EXTREMELY weak and misleading.</p>

	<p>The "unless" clause is a wide open and obvious loop hole. Dangerous industrial operations with deadly track records do not belong near communities. Dangerous industrial operations cannot be located anywhere near water sources or prime environmental area. Oil and gas should be no less that one mile away. We cannot compromise or negotiate our health away for the sake of greed.</p>
5	<p>There should be no exceptions for health and safety of our water sources. This is beyond stupid and clearly all about money. I will vote accordingly.</p>
6	<p>I don't think we should make exceptions to our 1 mile set back.</p>
7	<p>I don't think we should make exceptions to our one mile set back</p>
8	<p>I don't believe fracking under the Aurora Reservoir/Dam is safe. There are geological faults in the area.</p>
9	<p>The one-mile setback is definitely what we need. What we don't need is an obvious loophole that will just allow the energy extractors to come as close as possible to homes and the reservoir. Also...cryptocurrency mining? Really? Come on. Are we trying to create a dystopian future? Both fracking and crypto mining create lots of noise. Clearly, Arapahoe County does not care about the quality of life for residents if the Commissioners approve crypto. This is ridiculous. I thought I was moving to a beautiful suburb that was thoughtfully planned for residents to raise families. Instead, an energy company is now going to frack under my house without my consent. This is such a violation.</p>
10	<p>Change the first bullet to 5 miles back from reservoirs, with no conditions following.</p>
12	<p>In general I do not feel that the amendments nor the current rules and regulations when it comes to Oil and gas meet the county's goal- "The County is committed to upholding quality of life, health and safety issues and the environment." And these amendments don't do much to support that goal. There should be no</p>

	<p>exceptions to the 1 mile from Reservoir rule (and even then 1 mile is not far enough) And who benefits from the crypto mining? Seems like another way for OG to make more \$\$ I would like to see amendments that are truly pro environment, pro quality of life and less about profits.</p>
14	<p>I generally approve of the proposed amendments with two exceptions. First, gas-powered cryptocurrency mining should be prohibited as allowing it would amount to corporate welfare of the worst kind at the expense of residential safety. Second, the impacts of fracking on migratory birds should be added as a distinct consideration under paragraph F.17 and the Migratory Bird Treaty Act should be incorporated by reference as it the supreme law of the land under Article VI of the U.S. Constitution and cannot be ignored.</p>
15	<p>I don't think we should make exceptions to our one mile set back! We must protect communities, and be thinking about health and safety of people and the earth.</p>
16	<p>No exceptions to one mile rule near bodies of water and residential development</p>
17	<p>I don't think we should make exceptions to our one mile set back.</p>
18	<p>Absolutely no exceptions to set backs.</p>
19	<p>I do not think exceptions should be allowed to the 1 mile setback. Allowing a "grey" area allows poor decisions to be made overall and different interpretations of the rules. This needs to be clear and "black and white" for the Oil and Gas Companies for the health and safety of the Public.</p>
20	<p>One mile setbacks should be held at *minimim* with no exceptions. Allowing language where they don't need to be followed will basically make the regulation moot.</p>
21	<p>Please keep the 1-mile setback for our community as was stated in the rules! Do not</p>

	make any exceptions! Thank you, Ruby Frederick
22	No carve outs, respect the one mile set back limits as is.
23	<p>1) Section 5-3.6.E.2 Neighborhood meeting: metropolitan districts (e.g., Tollgate Crossing metropolitan district, Beacon Point metropolitan district) and authorities (e.g., Tallyn's Reach Authority, Saddle Rock Authority) today are replacing homeowner associations in many neighborhoods. The metropolitan districts and authorities should be notified as well as homeowners association. 2) Section 5-3.6.E.2 notification only of those homeowners, residents and associations "within one mile of the pad boundary" is too limited. Drilling-related activity may affect properties far from the pad boundary for example if the wells are drilled under their property or if roads will necessarily carry fracking fluid, waste fluids, etc. Notice should be given to all property owners, associations, etc. within 1 mile of ANY proposed drilling-related activity. 3) Section 5-3.6.F.2.d reservoir setbacks - the term "downgradient" does not appear to be defined. It seems this applies only to the surface topography (i.e., so long as any leaking oil or contaminants AT THE SURFACE flows away from the reservoir it is OK to reduce the setback to 2000 ft). However, this is not appropriate for example if there are subsurface features (rock or clay structures for example) that would direct SEEPING oil in a different direction, or if there are gradients/rock formations that would direct oil spills from defective casing, for example, below the surface toward the reservoir. This exception either needs to be eliminated or much broader. In addition, the downgradient condition should be required for ALL operations associated with the oil and gas operations near the well pad such as oil pipelines, roads that would carry contaminated fluids or oil, etc. as those pipelines and roads may direct oil spills, etc., back toward the reservoir. 4) Section 5-3.6.F.2.d the 500 foot alternative setback "with consent of owner" is illogical and does not promote public safety - if the reservoir owner is corrupted in some way such as a ginormous payment from the oil company, it is illogical for the county to allow public safety and precious water supplies to be compromised just because of the consent of the owner. 5) Section 5-3.6.F.3.m incident reporting</p>

	<p>- the post-incident meeting is a good idea but it should be open to the public and operations related to the incident should cease until the meeting occurs. 6) Section 5-3.6.F.11 access road standards - there should be a requirement that access roads provide appropriate gutters or other facilities to direct any spills or contaminants away from surrounding terrain. 7) Section 5-4 definitions - downgradient needs to be defined.</p>
24	<p>These proposed amendments are grossly insufficient in addressing the documented concerns of Arapahoe County Citizens. Specifically: 1. The set back exceptions undermine the intent of the 1 mile set-back. It creates subjective loop-holes that puts the power in the hands of the oil and gas operators and nullifies the voice of citizens who are directly impacted. 2. The cryptocurrency use is woefully undefined in the amendment. And I believe that is intentional because a use like this only increases concerns regarding pollution. Furthermore, the argument made by oil and gas is that fracking projects are necessary for "our" energy needs as local residents. However this accessory use is definitively NOT for the production of energy used by consumers and the likely beneficiary would be wealthy investors well beyond our county. In summary, this set of amendments feels like lip service to citizens and a wink and a nod to the oil and gas operators. There is nothing substantive to remove the pollution risk to the community let alone anything that improves the benefit to the community.</p>
25	<p>Hello Arapahoe County Officials, I know you have a lot on your minds, and I'm sure you're trying to find balance and keep a lot of people happy. However, your residents should be the #1 priority. Do you agree? Please take my comments below to heart. I know your jobs are not easy, but the decisions you are making will affect the future of Arapahoe County for generations to come. My primary concern is about setbacks. What is the point of a 1-mile setback from reservoirs and proposed reservoirs if you already bake loopholes and exceptions into the proposed amendment? Should we propose laws that say it's ok to speed, as long as you're going uphill? Truth be told, 1-mile setbacks from these fracking operations are nowhere NEAR far enough. But, I understand there's no chance you'd go up from 1 mile.</p>

	<p>Additionally, reverse setbacks are already a loophole in themselves. When you look at a proposed project like the Lowry Ranch CAP, a residential development is planned immediately to the east of the Blackstone community that will be right next to a proposed drilling site, much lower than your county setbacks. Why is this ok? The order of operations make it ok? Since the drilling site will likely come first, the safety of the community doesn't matter? This makes zero sense... Reverse setbacks should be eliminated altogether. By continuing to entertain O&amp;G projects like the Lowry Ranch CAP, you're opening the door to permanent damage in our county, not to mention making this a far less desirable place to live. Are long-term impacts not considered at all? Doesn't Arapahoe County have more to offer than a bunch of fracking sites? Can't we capitalize on retail, housing, tourism and recreation? Can't we build long-term value for OUR people, not for multi-billion dollar publicly traded companies that are majority owned by foreign investors? Wow, Civitas has a corporate sponsorship for something at the Arapahoe County Fairgrounds... they must really care about the people of our county. Do your research. The Canada Pension Plan owns the most shares of Civitas Resources, followed by about ten other private equity groups. Do you really think they care about the people of Arapahoe County? Are we really that naïve? This is ALL about money, otherwise it would not be happening in our county. And what in the world is this about cryptocurrency mining? There's no way that's beneficial for our "health, safety, wildlife and the environment." PLEASE, do the right thing. Come up with some loophole-free regulations. Stand up for your residents. And please, DON'T cave to billionaires that have promised the world to you. We don't need them. Arapahoe County is great. The Aurora Reservoir is great. The city of Aurora is great. Open space is great. Why must we ruin it? Thank you for your time and consideration of my comments.</p>
26	Do not make exceptions to the one mile setback!
27	One-mile setbacks should be increased to something higher in order to reduce the impact on the local populace. Additionally, this would apply to the burning of natural gas in order to power cryptocurrency mining, which should be further than one-mile.

Please stick to a minimum of a one mile setback from all homes and bodies of water (current or planned). Better yet, so not allow this project to happen at all. We do not have the water table to support this, they will frack under an unstable (and already leaking) superfund site, and fracking has proven to cause children who live within a mile of fracking to develop cancer at 2-3 times the rate of others. Additionally, our air quality is already horribly rated by the EPA, and fracking releases VOCs and CO at a level harmful to all, but especially children and the elderly. Don't let this company destroy our community!!

## 2.What is your name?

ResponseID	Response
1	sss
2	Lars Rockholm
3	James Guajardo
4	Susan McClain
5	Ameli abernathy
6	Stephanie Blum
7	Katherine Velasco
8	Linda Kiefer
9	Kris Sutton
10	Jordan Cassell
11	Matt Mendez-Vanacore
12	Anne Fiala
14	Conrad Huygen
15	Brenda
16	Carmen Hanagriff
17	Elizabeth Pheteplace
18	Elisa Dahlberg
19	Tim Mills
20	Kate Schmeisser
21	Ruby Frederick

22	Melissa Davidson
23	Brian Matise
24	Shannon McCorison
25	Nathan Lyon
26	Corey Hopper
27	Shawn Bockstahler
28	Tisha Foard

### 3. Where do you reside?

ResponseID	Response
1	Blackstone
2	26714 E Phillips Pl, Aurora 80016
3	5935 S Kellerman Ct Aurora CO 80016
4	Aurora CO
5	Aurora
6	Southshore
7	Aurora 80016
8	Arapahoe County
9	Aurora 80016
10	Beacon Point, Aurora
11	The Wheatlands, Aurora 80016
12	80016
14	25280 E Ottawa Dr
15	Aurora
16	Aurora, CO 80016
17	Southshore - Arapahoe County - 80016
18	Beacon Point
19	Beacon Point, Aurora, CO
20	Blackstone Community
21	Aurora, CO

22	80013
23	Tollgate Crossing subdivision, Aurora, CO
24	Arapahoe County, Aurora, 80016
25	Southshore Community in SE Aurora, Arapahoe County
26	36945 E Costilla Dr, Aurora, CO 80016
27	6655 S Quantock Way, Aurora, CO 80016
28	Aurora - Southshore 80016

TO: Arapahoe County Commissioners  
Diane Kocis, Energy Specialist, DKocis@arapahoegov.com  
FROM: League of Women Voters of Arapahoe and Douglas Counties  
Julie J.R. Huygen, 25280 E Ottawa Dr, Tallyn's Reach, Aurora  
DATE: June 29, 2023  
SUBJECT: Phase 1 Proposed Oil and Gas Amendments

Colorado Senate Bill 19-181 directs Arapahoe County as a local government to regulate the surface impacts of oil and gas operations “to protect and minimize adverse impacts to public health, safety, and welfare and the environment.” (SB 19-181, Sec. 4, amending Colorado Revised Statutes, 29-20-104, (1)(h).) With that direction as context, I provide the comments below on the County’s Phase 1 proposed oil and gas amendments on behalf of the League of Women Voters of Arapahoe and Douglas Counties (LWVADC) and as a resident, homeowner, and taxpayer of Arapahoe County. The members of LWVADC are residents of Arapahoe and Douglas Counties who are committed to empowering voters and defending democracy. Furthermore, we endorse the comments submitted by John Granger on behalf of the Save The Aurora Reservoir (STAR) community organization, composed of over 1,400 residents of the City of Aurora and Arapahoe County.

## PROPOSED AMENDMENTS

In the regulatory provisions below, the existing language is black, the proposed amendments are red, and our recommended changes are blue and use ~~strikethrough~~ for deletions and underline for additions. (Arapahoe County, Oil and Gas Regulations 2023 Changes\_Final Draft 5.25.2023 with redlines\_202306231937018600.pdf, arapahoegov.com/oilandgas.)

## ONE-MILE SETBACKS FROM EXISTING AND PLANNED RESERVOIRS

### 2. Setbacks

#### d. ~~Water Reservoir Setbacks: All Oil and Gas Facilities shall be located:~~

- ~~i.—At least one (1) mile from the edge of any existing or planned (adjudicated) water reservoirs or the setback distance established by the governmental authority responsible for the particular water reservoir, whichever is greater, as measured from the pad boundary, unless the applicant can demonstrate that the Oil and Gas Facility is downgradient from the reservoir, in which case a 2,000 foot setback may apply.~~
- ~~ii.—With approval from the reservoir owner or operator, the setback may be reduced to the 500 foot setback applicable to other perennial surface water bodies.~~

Regarding water protection, we also recommend the following amendment:

### 2. Setbacks

#### a. All Oil and Gas Facilities shall be located at least:

- ~~vii. Outside of a 2,000 feet from the edge of any 100-year floodplain, domestic water well, and or at least 500 feet from the edge of any perennial surface water body, the ordinary highwater mark of any perennial or intermittent stream or the edge of any riparian area, whichever is the greater distance, as measured from the pad boundary; unless CPW has waived or modified the setback from the stream, surface water, or the riparian area following in accordance with COGCC Rules 309 and 1202.~~

In Colorado and the western United States, there is no more important natural resource than water. The Aurora Reservoir is the water source for hundreds of thousands of Arapahoe County residents; it must be clean, secure, and protected. The City of Aurora has established a one-mile reservoir setback. (Aurora City Code, Sec. 135-4(b)(4)c.) With the Aurora Reservoir at issue, Arapahoe County should do the same. For further explanation of the necessity for a one-mile reservoir setback, we incorporate the comment provided by letter dated June 2, 2023 from John Granger on behalf of STAR.

## NATURAL GAS-POWERED CRYPTOCURRENCY MINING

### TABLE 3-2.1 PERMITTED USE TABLE

#### Cryptocurrency Mining

~~(10) Cryptocurrency mining not connected to an electrical grid and accessory to an oil and gas facility.~~

To explain the recommendation not to add cryptocurrency mining as a “permitted use”, we incorporate the comment provided by letter dated June 16, 2023 from John Granger on behalf of STAR. Additionally, we point to the mounting evidence that Arapahoe County should not get in or even close to the business of cryptocurrency mining, which benefits a very small number of individuals and companies scattered around the world, carries immense energy costs for the communities that house cryptocurrency infrastructure, and creates no tangible product or service of use to local residents. (Ariana Baio, The Independent, “Texas paid Bitcoin company \$175k an hour to stop using energy during fatal 2021 winter blackout,” Apr. 12, 2023 (explaining that cryptocurrency mining “requires massive amounts of electricity, which has led to large quantities of carbon emissions,” and that, where mines exist, “energy bills have risen 9 per cent”).)

## ADDITIONAL AMENDMENTS

### SETBACKS

#### 2. Setbacks

- a. All Oil and Gas Facilities shall be located at least:
  - i. ~~One (1) mile 2,000 feet~~ from ~~the edge of any lot with~~ any occupied structure as measured from the pad boundary.
  - ii. ~~One (1) mile 2,000 feet~~ from the nearest boundary of ~~any area zoned for residential use a platted lot smaller than 15 acres in area~~ as measured from the pad boundary.
- b. The ~~one (1) mile 2,000 feet~~ setbacks from ~~a lot with an~~ occupied structures or ~~an area zoned for residential use platted lots~~ referenced in subparagraphs 5-3.6.F.2.a.i ~~or and~~ ii above may ~~also~~ be reduced to a lesser setback:
  - i. ~~If the owner(s) of the occupied structure(s) or all owners of the affected platted lots agree in writing to a lesser setback and the fire district agrees to provide service to the Oil and Gas Facility; however, even with owner consent, in no case may the setback be reduced below 500 feet; or~~
  - ii. ~~If, as shown on the Oil and Gas Facility Operations Plan submitted with the application, any and all wells, tanks, separation equipment, compressors and any stored hazardous or explosive materials on the Oil and Gas Facility pad will be~~

- ~~located or stored more than 2,000 feet from the nearest occupied structure or all affected platted lots; or~~
- iii. If an Oil and Gas Facility application that includes a lesser setback is submitted ~~and, it must be and~~ approved by the Board of County Commissioners through the Use by Special Review process provided in Section 5-3.4 of the Land Development Code. For approval of any lesser setback under this subparagraph, the Operator must establish that the lesser setback as proposed will provide substantially equivalent protection to a ~~one (1) mile 2,000-foot~~ setback and that granting the lesser setback will not adversely impact public health, safety, or welfare or the environment. In reviewing the proposed lesser setback, the Board of County Commissioners shall consider the extent to which the operator provides an alternative Oil and Gas Facility design, best management practices, control technologies, or proposes conditions of approval that will be effective to avoid, minimize, or mitigate adverse impacts on the affected properties, considering:
    - (a) geology, technology, and natural ~~or added man-made~~ features, hazards or topography;
    - (b) ~~(b)-~~ the location and use of occupied structures ~~and residential areas~~ and proximity to those structures ~~and areas; and and~~
    - (c) the anticipated size, duration, and intensity of all phases of the proposed oil and gas operations at the proposed oil and gas location; ~~and~~
    - ~~(d) the anticipated size, duration, and intensity of all phases of the proposed oil and gas operations at the proposed oil and gas location.~~
  - iv. However, in no case may the ~~one (1) mile 2000 feet~~ setback from occupied structures or ~~areas zoned for residential use platted lots~~ be reduced below ~~3,280 500~~ feet, ~~or 1 kilometer~~.
- c. Reverse Setbacks: No new occupied structure shall be constructed ~~or new area zoned for residential use~~ less than:
- i. ~~3,280 250~~ feet, ~~or 1 kilometer~~, from an existing Oil and Gas well of any status (permitted but not drilled yet, drilling, completing, producing, active gas storage, injecting, shut-in, temporarily abandoned, dry and abandoned, or plugged and abandoned prior to 2014); ~~or~~
  - ii. ~~3,280 150~~ feet, ~~or 1 kilometer~~, from a plugged and abandoned oil and gas well or remaining equipment ~~from an oil and gas well~~ that was plugged and abandoned ~~in from~~ 2014 ~~or later onward~~.

To explain these setback recommendations, we incorporate the comment provided by letter dated June 5, 2023 from John Granger on behalf of STAR. In particular, we highlight the findings and conclusions provided by the California Oil and Gas Public Health Rulemaking Scientific Advisory Panel to the California Geologic Energy Management Division by letter dated October 1, 2021. (California Department of Conservation, Geologic Energy Management Division, [conservation.ca.gov/calgem/Documents/public-health/Public%20Health%20Responses\\_FINAL%20ADA.pdf](https://conservation.ca.gov/calgem/Documents/public-health/Public%20Health%20Responses_FINAL%20ADA.pdf).)

We have focused our review on epidemiological studies carried out in multiple oil and gas regions, including Colorado, which has a similar regulatory context as California... Our Panel concludes with a high level of certainty that the epidemiologic evidence indicates that close residential proximity to OGD [oil and gas development] is associated with adverse perinatal and respiratory outcomes... [T]he totality of the epidemiological evidence provides

a high level of certainty that exposure to OGD (and associated exposures) cause a significant increased risk of poor birth outcomes...

Noise pollution, odors, and landscape disruption are inherent to OGD. Investigations in other oil and gas states have noted radioactivity on particles downwind from unconventional oil and gas wells and in sediment downstream of water treatment plants that treat waste from conventional as well as unconventional oil and gas operations... The wells, valves, tanks and other equipment used to produce, store, process and transport petroleum products at both unconventional and conventional OGD sites are associated with emissions of toxic air contaminants, hazardous air pollutants and other health-damaging non-methane VOCs. Diesel engines used to power on-site equipment and trucks at unconventional and conventional OGD sites directly emit health-damaging hazardous air pollutants, fine particulate matter (PM<sub>2.5</sub>), nitrogen oxides and volatile organic compounds (VOCs). Many VOCs and nitrogen oxides are precursors to ground level ozone (O<sub>3</sub>) formation, another known health harming pollutant. Hazardous air pollutants that are known to be emitted from OGD sites include benzene, toluene, ethylbenzene, xylenes, hexane and formaldehyde—many of which are known, probable or possible carcinogens and/or teratogens and which have other adverse effects for non-cancer health outcomes...

Existing epidemiologic studies were not designed to test and establish a specific “safe” buffer distance between OGD sites and sensitive receptors, such as homes and schools. Nevertheless, studies consistently demonstrate evidence of harm at distances less than 1 km, and some studies also show evidence of harm linked to OGD activity at distances greater than 1 km... Because air pollutant concentrations and noise levels decrease with increasing distance from a source, adequate setbacks can reduce harm to local populations by reducing exposures to air pollutants and noise directly emitted from the OGD activities. However, setbacks do not reduce harms from OGD contributions to regional air pollutant levels, such as secondary particulate matter and ozone, or greenhouse gases, such as methane, which are nearly always co-mingled with health-damaging air pollutants... (Citations omitted.)

We also bring to your attention the public comment provided by a Cherry Creek School District official at the Commission’s meeting of April 11, 2023. The comment has direct relevance to the recommended setbacks from occupied structures, including schools. The official explained that the Cherry Creek School District declined Civitas’ offer to lease the School District’s mineral rights because of the dangers posed to students and their health, welfare, and learning by the Lowry Ranch fracking project. He further explained that, contrary to the assertions of a commenter at the Commission’s meeting of March 28, 2023, the Cherry Creek School District would see no direct economic benefit from Lowry Ranch or any future O&G development approved by Arapahoe County because of how education and school district funding is managed at the state level.

## WILDLAND URBAN INTERFACE

### 3. Health and Safety Requirements

#### p. Wildland Areas With Significant Risk of Fire Spread

- i. No Oil and Gas Facility shall be located within any portion of the Wildland Urban Interface (WUI) designated by the OEM as having a significant risk of fire spread without the prior written consent of both the OEM and any Fire Marshall(s) or Fire

- Chief(s) with jurisdiction over the particular portion of the WUI where the Oil and Gas Facility will be located. Consent shall require documentation that satisfies both the OEM and fire authority(ies) with jurisdiction of the time and distance for first responders to arrive at the Oil and Gas Facility; fire prevention and suppression measures to be taken by employees at the Oil and Gas Facility; training programs for employees at the Oil and Gas Facility and first responders to prevent and suppress fire at the Oil and Gas Facility; and fire prevention and suppression equipment available at the Oil and Gas Facility.
- ii. For the purposes of this subparagraph p, Wildland Urban Interface (WUI) is defined as that one (1) mile-wide wildland area that is a transition zone between a wildland area, or undeveloped land not occupied or regularly used, and an urban or suburban area, or developed land with occupied structures or areas zoned for residential, commercial, or agricultural use.

To explain the WUI recommendation, we incorporate the comment provided by letter dated June 5, 2023 from John Granger on behalf of STAR. We also highlight the fire risks that materialized in the 2021 Marshall fire, Colorado’s most destructive wildfire that killed two people, destroyed more than 1,000 homes, and caused \$513 million in direct damages. (Joe Wertz, Colorado Public Radio, “Authorities say power lines, earlier trash fire combined to cause Colorado’s massive Marshall blaze,” June 8, 2023.)

## NEIGHBORHOOD MEETINGS

### 2. Neighborhood meeting

- a. Prior to submitting an application to Arapahoe County, the applicant shall conduct a neighborhood meeting to describe and take neighbors’ input on the proposed Oil and Gas Facility and include the input with the application. The applicant shall send written notification by U.S. Mail of the meeting to the Planning Division and to **all** property owners **of record, all occupied residences if occupants are different from record owners,** and **all** registered homeowners’ associations and metropolitan districts for residential subdivisions where any portion of the owner’s, occupant’s, or subdivision’s property or lot platted subdivision’s boundary is inside or within one mile of the proposed Oil and Gas comprehensive area plan (CAP), or project, boundary or facility pad boundary. Meetings may be conducted in person or utilizing an electronic virtual or remote meeting platform or both. Notice of the meeting must be sent no less than 15 days prior to the scheduled meeting date. The property owners of record shall be those identified in the County Assessor’s property records. The Planning Division will provide the applicant with the names and addresses of the homeowners’ associations and metropolitan districts. The applicant shall determine whether a residence is occupied by someone other than the owner and shall be responsible for notifying such occupants.
- b. At said meeting, the applicant must provide information concerning the development plans for the specific CAP and facility, including the timing and phasing of construction, drilling and completion, the planned access route(s), and mitigations planned to address air, water, noise, light, odor, traffic, and visual impacts. The applicant shall include with its application for the proposed facility a summary of the neighborhood meeting, a copy of the written notification of the meeting, an audio-visual or audio recording of the meeting or transcription of the meeting, any materials presented or provided at the

meeting by the applicant, and the list of attendees, including names and addresses from the sign-in sheet(s), meeting agenda, and any other document.

### 3. Application Notice Requirements

- a. The applicant shall provide written notification by U.S. Mail to all property owners of record, all occupied residences if occupants are different from record owners, and all registered homeowners' associations and metropolitan districts for residential subdivisions where any portion of the owner's, occupant's, or subdivision's property or lot platted subdivision's boundary is inside or within one mile of the proposed Oil and Gas CAP boundary or pad boundary of the proposed Oil and Gas Facility that an application for an Administrative Use by Special Review for an Oil and Gas Facility, will be is being filed with the County. The Notice of Application shall meet the format prescribed by the County; must include information about the proposed Oil and Gas CAP, or project, and all Oil and Gas Facilities within the project, instructions on how to obtain further information, and information about providing public comment(s) to and attending public meeting(s) held by the County; and shall be mailed at the time of filing the application with the County. The property owners of record shall be those identified in the County Assessor's property records. The Planning Division will provide the applicant with the names and addresses of the homeowners' associations and metropolitan districts. The applicant shall determine whether a residence is occupied by someone other than the owner and shall be responsible for notifying such occupants.

Our recommended additions to the existing Neighborhood Meeting requirement are necessary and appropriate in order to fulfill the requirement's intent. Limiting the notifications to neighbors living within one mile of a specific O&G facility pad in unincorporated Arapahoe County renders the notifications ineffective when the facility is part of a larger O&G CAP, or project, especially if the CAP extends to already developed areas of the County. Our additions would make the Neighborhood Meeting requirement a more substantive and effective requirement for citizen due process through public notice and hearing.

### CONTEXT

On a personal note, I provide these comments having considered the proposed amendments in the context of the proposed Lowry Ranch fracking project, which will pose serious dangers to the health, safety, and welfare and the environment of the tens of thousands of Arapahoe County residents who live and work within or near the project's boundaries; whose homes, schools, businesses, and houses of worship rest on the land to be fracked; and whose water, air, and quality of life are threatened by the project. My concerns are for the larger community as well as for my family and myself. I am a retired Air Force judge advocate (military lawyer), county election judge, city commissioner, metro district board member, and volunteer with civic organizations, and I will be directly harmed should the Lowry Ranch fracking project go forward. Civitas plans to build 174 fracking wells, each over 10 stories tall, on at least 10 facility pads in an area of 33,440 acres of unincorporated Arapahoe County. (Civitas, Lowry Ranch CAP, [civitascommunityrelations.com/lowry-ranch-cap](http://civitascommunityrelations.com/lowry-ranch-cap).) From those wellheads, Civitas will then frack an even larger area that encompasses already developed, densely populated "incorporated" Arapahoe County and the Aurora Reservoir, Lowry Landfill Superfund site, Lowry Range environmental area, and thousands of homes, schools, businesses, and houses of worship, including my home and my mother's senior-living residence and church.

The Lowry Ranch fracking project will generate air pollution that further degrades the air quality already downgraded from “serious” to “severe” by the U.S. Environmental Protection Agency. (Sam Brasch, Colorado Public Radio, “The EPA moves to declare the Front Range a ‘severe’ air quality violator. Here’s why that matters.”, Apr. 12, 2022.) It will threaten the vital water resource of the Aurora Reservoir; use millions of gallons of freshwater; generate millions of gallons of toxic wastewater that cannot be cleaned, reused, recycled, or stored safely on-site or underground; and drive up the cost of water for local residents – all during a period of historic drought. And it will create levels of noise and light pollution that will harm the environment and degrade the quality of life for the thousands of citizens in the affected area. The list of dangers continues: water and air contamination from spills and releases, elevated threat of grassfire, increased mortality risks, measurable dollar costs for public infrastructure and first-responder capacity as well as medical emergencies and healthcare, potential geological instability, and – last but not least – reduced home property values for Arapahoe County residents and thus a reduced tax base for Arapahoe County. At a time when the County is already losing residents and facing fiscal constraints and cannot even take advantage of any future, potential oil and gas (O&G) revenues because of TABOR restrictions (John Aguilar, Denver Post, “For two Colorado counties that haven’t “de-Bruce,” the fiscal alarm is growing louder,” June 12, 2023), the County should be working on how to “de-Bruce” rather than how to facilitate a fracking project that will benefit only a private-equity company and cost the County much more than it will ever gain. (Chris Stiffler and Pegah Jalali, Colorado Fiscal Institute, “Clearing the Air: The Real Costs and Benefits of Oil and Gas for Colorado,” January 2023 (reporting data that demonstrates the costs of the O&G industry outweigh the benefits to Colorado and Coloradoans).)

Moreover, the Lowry Ranch fracking project is especially illustrative of the problems caused by locating O&G facilities in unincorporated Arapahoe County, or the “use by special review” that is the subject of the County’s O&G regulations. That the entire 5-3.6 is specific to facilities in “unincorporated” parts of the County at best ignores, at worst hides the fact that an O&G facility on unincorporated land may well be an O&G project with direct and detrimental impacts on densely populated areas of the County where tens of thousands of residents live, work, play, go to school, attend church, and enjoy every day. In the case of Lowry Ranch, “use by special review” would mean not only 174 fracking wells in unincorporated Arapahoe County but also hundreds of miles of fracking lines under tens of thousands of acres of already developed County land plus a multitude of immediate dangers to the health, safety, welfare, and environment of hundreds of thousands of Arapahoe County residents.

## CONCLUSION

The LWVADC concludes our comments on the Phase 1 proposed oil and gas amendments with our thanks for your service as well as for your time, attention, and consideration of our recommendations. We urge you to incorporate them in the Arapahoe County oil and gas regulations, as they will help you do the vital work of protecting our health, safety, welfare, and environment. You may contact me at [julierimhuygen@gmail.com](mailto:julierimhuygen@gmail.com) or (720) 261-3218 with any notes or questions.

**From:** [Sonia-Skakich Scrima](#)  
**To:** [Commissioners](#); [Jeff Baker](#); [Diane Kocis](#)  
**Subject:** help! my request to speak via phone not recognized !  
**Date:** Tuesday, July 18, 2023 9:24:07 PM

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**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

my telephone 303 755 8129, #3 pressed multiple times, but not acknowledged

Please call me to allow me to read out my oral testimony, since your system is not recognizing me! Thank you!

**Good evening**

I am an Arapahoe County resident, Sonia Skakich Scrima, living at 15011 E Arkansas dr, aurora, a former medical research coordinator who has been tracking oil and gas impacts and risks since 2011.

The primary responsibility of every level of government is to uphold public health and safety. Two CO counties have demonstrated exemplary due diligence in assessing health & safety risks, as well as scientifically proven effective mitigation strategies and their legal acceptability in Colorado (namely Broomfield and Boulder counties). They implemented regulations and programs that monitor and mitigate such harms to the **maximum extent** allowed.

**In contrast, current and proposed Arapahoe regulations are NOT substantially protective of health and safety. They are not evidence-based regarding effective health and safety risk mitigation strategies. They fail to incorporate readily available and legally vetted strategies that meaningfully monitor and protect public health and safety risks.**

**For example, regarding Setbacks**

Arapahoe has new well setbacks of 2000 ft from occupied structures but allows them to be waived down **to 500 feet** . It has a setback for new occupied structures to be built **350 feet** from existing wells ,but permits waivers down **to 250 feet**). These distances recklessly risk human health and safety. Here's why.

Firstly, **severe immediate physical safety issues** are posed by high consequence failure events called "incidents" at well sites: explosions, fires, and blowback.

-Well site fires exceed 3,500 F and are known to **cause blister burns at a distance of 350 feet, within 22 seconds.**

**Explosions have formed craters of 750 feet diameter.**

-Explosions eject oil and gas, cement, toxic fluids, and equipment up to **900 feet or more**

The most comprehensive scientific review concluded that **to avoid immediate fatality and injury in the objectively determined direct blast and burn zones, 1000 feet should be a minimum distance of habitation from well sites. No one is fireproof or explosion proof, therefore no waivers of setbacks or reverse setbacks should be allowed AND no setbacks should be allowed to be under 1000 feet to protect from incidents.**

**Regarding short and long term HEALTH impacts:**

During fracking operations, highly toxic chemicals are emitted into the air. They increase both immediate and chronic health risks, some debilitating, some ultimately fatal.

**Peer reviewed studies find that living within less than 2 miles of active well sites significantly increases risks of respiratory, cardiovascular, and neurologic disorders, cancer, gastrointestinal and reproductive problems, birth defects, low birth weight, childhood leukemia, and premature death of seniors. Short and long term health risks increase the closer one lives to well sites.**

**THEREFORE, to at least partially mitigate health impacts of toxic emissions, the 2000 ft minimal setback must be upheld (if not extended) and the reverse setback of 350 feet must be extended *to at least 1000 feet* to protect from immediate physical harm of incidents and to 2000 feet to reduce health risks. Setbacks should **never** be waived or waivable, since human health impacts are not waivable.**

My additional written comments point out the public health and safety need for additional changes and additions to the Arapahoe regs, including :

the need to require reporting of all, not just some, operator incidents, for transparent history of county incidents and operator performance

the need to improve emergency planning policy,

the need to implement **air quality monitoring** that objectively, independently, continuously, and publicly monitor oil and gas sites for excess toxic emissions that cause serious short and long term health disorders and the use of which enable operators to rapidly control excess emissions and the public to take steps to protect their health from excessive emissions.

And the need for requiring objective geologic assessment of proposed sites and their radial arms that are near water resources or toxic hazard sites, in order to objectively rule out and avoid factors that could increase the likelihood of disturbing unstable geologic factors or creating unintended contamination pathways

**In summary, Arapahoe oil and gas regulations and their proposed amendments do not include key evidence based strategies to mitigate harm and must **urgently** be amended, **to to remove** county allowances for waiving any requirements that impact public health and safety or environment and to **add** evidence-based measures that substantially mitigate risks to public health and safety.**

Thank you.

**MEMORANDUM IN FOLLOW-UP TO PLANNING COMMISSION MEETING OF JULY 18, 2023**

**To: Jason Reynolds and Diane Kocis**

**From: John Granger J.D. ret.**

**Dated: July 19, 2023**

Jason and Diane:

I wanted to immediately write to you both after the Planning Commission meeting to apologize for likely sounding ungrateful and somewhat belligerent in my remarks. It was not my intention at all, and my tone was purely the result of frustration at not being able to deliver my thoughts in any kind of cogent manner in just 3 minutes (a task I quickly recognized I was failing at). Thus, this follow-up memo.

Let me first say I am very grateful that many of my concerns about the reservoir setback have been dealt with effectively in the latest draft together with and the definitions that now accompany it. Thanks for listening.

At the same time, however, I believe **that two important sets of issues remain**. Thankfully, the “dry-run” with the Planning Commissioners affords the opportunity to address these issues before going back to the BOCC.

The more important of my issues is the automatically triggered collapse of the setback to 2,000 ft. if the well pad is downgradient. I see several problems:

1. Since the trigger depends upon downgradient status, it will only really applies to existing reservoirs, like the Aurora Reservoir, where the gradients are known. Obviously it can not apply to planned and permitted reservoirs, like what I'll refer to as Rangeview A (the closer one to the Aurora Reservoir) and Rangeview B. The reason for this disparity is that A and B do not have known design elevations and gradients so an industry applicant cannot claim downgradient positioning. It makes no sense that the bigger and more important drinking water reservoir Aurora Reservoir would be less protected than newly planned smaller ones.

a. That discrepancy may even manifest itself in the odd way that pads located between the Aurora Reservoir and reservoir A may need to be relocated closer to the Aurora Reservoir than the 2,000 feet distance to keep them a mile away from reservoir A. Obviously, this would be an unintended and untenable result.

b. Furthermore, the downgradient trigger is unnecessary and ill-defined. Since Aurora Reservoir is an Outside Designated Activity Area, it already has a 2,000 ft. setback. Furthermore, the current definition of downgradient contains no figure for the value of downgradient required: is 1 to 2% enough or is something more like 10 to 20% required?

I suggest that instead of treating downgradient as an automatic trigger, it should be treated as one of the criteria to be used in determining whether a reduction in the setback distance between the stated

setback and the minimum setback based upon substantial equivalency should be applied. This would cure both problems.

The second issue which remains is the distance of the setbacks: the one mile, 2,000 ft., and 500 ft. values.

a. I believe as shown by the inability of either the County or City staff to provide an adequate explanation to the Commissioners who questioned the scientific basis for the one mile distance, that the 1 mile distance is very vulnerable to attack by COGA and Civitas, likely in a lawsuit. The industry position is strengthened by inclusion of the 2,000 ft. figure that suggests that this lower value is also similarly considered protective, arguably making the higher value “unreasonable and unnecessary”.

b. Furthermore, using the 500 ft. figure as a floor is nonsensical and plays into industry hands in arguing a 1 mile setback is not “reasonable or necessary.” If 500 ft. is a meaningful bottom why then were the much larger 1 mile and 2,000 feet setback levels considered necessary for protection of the public in the first place?

c. Finally, there remains the issue of why an applicant can find relief from a reservoir setback with a downgradient situation below even the 2,000 ft. level but is stuck at one-mile where a downgradient can not be shown.

I believe the solution to these issues is to reduce the level of the higher setback but to increase the level of the minimum floor, and leave the automatic adjustment to 2,000 ft. out entirely, allowing that (and other intermediate level) figures to be achieved solely through the “substantially equivalent” process. This would go a long way to showing reasonableness (and preventing the basis for a lawsuit by industry) and yet still achieving protection. As seen in the attached redraft, I propose the setback be brought down to 3,500 feet (2/3rds of a mile) and the floor to 1,700 ft. (about ½ of the setback) with any figures in between (like 2,000 ft.) left for the “substantial equivalency” analysis.

This approach will provide a stronger ground for countering the “unreasonable and unnecessary” arguments of industry. With industry admitting at least 1,000 ft. is needed per COGCC analysis, you can say that the 3,500 ft. figure remains less conservative than the one mile of the City but still: a) recognizes that when a problem occurs on a well pad (such as the need to suppress a fire) sufficient distance is present to protect against noxious runoff reaching a drinking water reservoir [as argued by Rangeview’s CEO]; b) recognizes that upgradient or hydraulic connection situations may sometimes be present; c) recognizes that the 2018 statute requires protection of the “environment” surrounding reservoirs and not just the water within them, and d) recognizes that these larger reservoirs may be subject to pollution from air borne dispersal of noxious chemicals over the very wide surface area of the reservoir over a 20 plus year period of time.

In terms of adequate protection, by providing a broader range of potential setback distances (like 3,500, 3,000, 2,500, 2,000, and 1,750 feet) it allows the County to increase or decrease the distance in their discretion based upon substantial equivalency and appropriate protection level.

I believe may attached revised language deals with each of these issues and urge you to make these modifications before taking the draft regulations back to the BOCC.

## Suggested Changes To Current Reservoir Setback Language

John A. Granger J.D. ret. 7/18/23

F.2.d. **Water Reservoir Setbacks:** All Oil and Gas Facilities shall be located at least 3,500 feet from existing or planned and permitted water reservoirs with a capacity of 100 acre/feet or more, unless reduced under the Use By Special Review Process described below. The water reservoir setback shall be measured from the Oil and Gas Facility's pad boundary to the nearest high watermark of the reservoir or as mapped on reservoir plans approved with permitting for a planned and permitted reservoir.

Deleted: one mile (5,280 ft.)

Deleted: the applicant can demonstrate that the Oil and Gas Facility is downgradient from the reservoir, in which case the setback shall be 2,000 feet. The water reservoir setback shall be

The water reservoir may be reduced below 3,500 feet if approved through the Use By Special Review process provided in Section 5-3.4. For approval of a lesser setback under this subparagraph, the Operator must establish the following criteria: 1. Whether the Oil and Gas Facility is downgradient of the reservoir; 2. Neither the owner nor operator of the reservoir objects to the lesser setback. 3. Due to topography or other special condition of the property, the lesser setback is necessary to allow for safe construction, installation or operations at the Facility; 4. Alternative Oil and Gas facility design, best management practices, control technologies, and/or proposed conditions of approval proposed for the Facility will be effective to avoid, minimize, or mitigate adverse impacts upon such drinking water sources, and that with such mitigative measures, the lesser setback will provide substantially equivalent protection as the 3,500-foot setback; 5. That granting the lesser setback for the Facility as proposed and designed will not adversely impact public health, safety or welfare or the environment; and 6. No setback from reservoirs shall be reduced below a 1,700-foot setback,

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Deleted: 5

Deleted: applicable to other perennial surface water bodies

**From:** [Randy Willard](#)  
**To:** [Diane Kocis](#)  
**Subject:** 7/18 O&G Hearing Follow Up  
**Date:** Friday, July 21, 2023 6:19:41 PM

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I was unable to make the session this week due to having broken my foot last week but I did want to share some thoughts with the planning commission. I was on the dial-in part of the call so I did get some detail.

I want to start by saying what I heard were concerns across the board about health and safety issues for the communities that will be impacted and I must say this speaks volumes to me about the whole thing. If we are leading with concerns about safety and health perhaps we should reconsider what we are doing more generally. Anyway, I will leave that there for your consideration.

With regard to specifics I believe there will need to be a formal, industry paid, organization that is responsible for monitoring the air and water quality in surrounding areas. This should include involvement at the public health level to insure insidious “extras” from the process are not affecting children or the elderly unfairly.

Next, the setback distances of 1 mile MUST be considered a minimum. The impacted communities will still be too close to insure safety from the harmful chemicals used in the process as well as the waste product. Community health MUST be the priority NOT profits for the O&G industry.

Referring to the above there should be NO allowance to reduce these setbacks. NONE. 1 mile is a minimum safe distance.

All - ALL - costs associated with the creation, usage and depreciation of the wells MUST BE BORN by the company. These costs are not normal costs for a community AND the community will receive no benefit from the activity.

A strategy for managing wildfire risks must be put in place. Wild lands adjacent to community areas tend to be grass filled and dry in Colorado which means that wildfires are a real risk and the activities will only increase this risk. Again, the costs associated here should be born by the O&G companies NOT the communities.

Efforts must be undertaken to STOP any spills that will occur during regular activity. The means to do this can be determined by the company but MUST be effective in preventing contamination of local water and soil.

The O&G companies OWE it to the communities to communicate what is happening, when and where. This means that companies must meet commitments for neighborhood meetings. No exemptions.

Finally, the side business of crypto mining is another way the industry makes money on the

community without any payback. Also, this practice creates more local pollution by burning the excess methane. This is just another incentive to make the whole process dirty and must not be allowed.

I appreciate you taking the time to accept public comments. I assure you I will be in attendance, in person, next time there is a session.

-randy

**From:** [Ed Ingve](#)  
**To:** [Diane Kocis](#)  
**Cc:** ["JB Condill"](#)  
**Subject:** RE: questions posed by the Planning Commissioners last Tuesday  
**Date:** Tuesday, July 25, 2023 8:45:09 PM

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Hi Diane,

The equipment is air cooled exactly like an automobile engine is cooled. The fans on the engines run whenever the engines are running. No water is used for cooling. A radiator antifreeze/coolant is circulated for engine cooling just like a car.

The emissions from the engines are released to the air after being burned and passing through a catalytic converter just like a car. The emissions are permitted with the CDPHE and must meet rigorous standards very similar or even higher than a new SUV engine. There is no combustibles left in the emissions after the gas is burned in the engine. Only a very small amount of VOCs measured in PPM remain which is comparable to any modern engine placed in service today.

Any combustion equipment used on site would be affiliated with normal production activity such as tank vapors or upset conditions like any other oil production site. Controls are used on the wells so that only gas that can be burned in the CCM operations is produced. Additional productive gas capacity of the well is regulated at the well's casing and held in the wellbore. If the equipment is down no gas is produced. All this is governed by COGCC and CDPHE regulations.

I will be providing additional information on the reservoir air and water emission concerns brought up which I believe will be very useful in a separate email.

Thanks, Ed

**From:** Diane Kocis [mailto:DKocis@arapahoegov.com]  
**Sent:** Monday, July 24, 2023 12:22 PM  
**To:** Ed@renegadeoilandgas.com  
**Subject:** questions posed by the Planning Commissioners last Tuesday

Hi Ed,

I'm preparing answers for the Planning Commissioners on the questions they asked Tuesday evening

Can you tell me how the CCM/Data Centers equipment is cooled? (Water or air used to cool?). Is

cooling only required when outdoor temperatures exceed a certain temperature?

Also, I think I know the answer to this one: Are the CCM/Data Center emissions routed to a combustor? Or just a flare? Is the flare only used for upset conditions at the well or is the flare used when the CCM equipment is down? Both?

Thanks for your help,

I am working a hybrid schedule with in-office days and remote work days. Email is the best way to reach me but you can also reach me on my County cell phone at 720-425-0422.

*Diane Kocis*

Energy Specialist

Arapahoe County Planning Division

[dkocis@arapahoegov.com](mailto:dkocis@arapahoegov.com)

**From:** [Dan Harrington](#)  
**To:** [Diane Kocis](#)  
**Cc:** [Rich Coolidge](#)  
**Subject:** Potential clarifying language changes  
**Date:** Tuesday, July 25, 2023 4:49:22 PM  
**Attachments:** [image001.png](#)

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Diane,

In our review of the latest version of the Arapahoe County draft O&G rules, we note a couple of definitions that could potentially be misinterpreted (relative to what we believe the County's intent to be). We respectfully submit a couple of wording changes for your consideration.

**Access Roads:**

"If an Oil and Gas Facility site incident could prevent emergency access on public or private roads, the Operator shall construct an alternative access road meeting these standards."

*It's our understanding that the intent of this rule is to assure continued emergency access to the public specifically (i.e., Conoco's Swan situation). Please consider the following:*

If an Oil and Gas Facility site incident could prevent emergency access **to residences or public buildings** on public or private roads, the Operator shall construct an alternative access road meeting these standards.

**"Downgradient" definition:**

"At lower elevation from that of the reservoir measured at its average water level elevation or that there is intervening natural terrain or topography that prohibits the surface mitigation of liquids to the reservoir and there is no evidence of other hydrological connection from the proposed location to the reservoir."

*We appreciate that this language reflects the reality of topographic barriers being an important factor in evaluating proposed pads, regardless of a "straightline" gradient calculation. However, we're concerned that the language as written confuses surface hydrology and groundwater hydrology. Groundwater hydrology/protections are addressed by the State's strict casing and cementing rules and, as a subsurface matter, are better governed by those rules. We might propose:*

"At lower elevation **to** that of the reservoir measured at its average water level elevation, or **isolated by** intervening natural terrain or topography that **would prevent continuously downgradient** surface mitigation of liquids to the reservoir ~~and there is no evidence of other hydrological connection from the proposed location to the reservoir.~~"

Thank you,

**Dan Harrington**

Asset Development Lead

Direct 303-312-8129 | Cell 303-319-6454

555 17<sup>th</sup> St. | Suite 3600 | Denver, CO | 80202

[www.civitasresources.com](http://www.civitasresources.com) | NYSE: CIVI



**From:** [Brown, Marshall](#)  
**To:** [Diane Kocis](#)  
**Cc:** [Moore, Jeffrey](#)  
**Subject:** RE: Re Aurora Water Comments  
**Date:** Wednesday, August 2, 2023 1:42:06 PM

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Diane,

We did go through a fairly detailed geotechnical evaluation to consider spacing, but it ended up not justifying the distances we felt were needed based on hydrologic and hydrogeologic considerations.

We did not commission a hydrologic or hydrogeologic analysis. We instead consulted with “experts” who had significant experience with groundwater modeling/evaluations and surface hydrology to establish a conservative distance for oil and gas activities (within which we included injection wells) to be spaced from our critical water facilities. We took the approach that a 1-mile set-back was conservatively protective accounting for most reasonably possible situations, but established an “exception” process whereby we could leave the responsibility with the “applicant” to demonstrate justification for lesser setbacks based on site specific information.

Hope this helps.

Marshall

---

**From:** Diane Kocis <DKocis@arapahoegov.com>  
**Sent:** Friday, July 28, 2023 10:44 AM  
**To:** Brown, Marshall <mbrown@auroragov.org>  
**Cc:** Moore, Jeffrey <jsmoore@auroragov.org>  
**Subject:** Re Aurora Water Comments

Hello Marshall,

At our Planning Commission hearing you mentioned a geotechnical or hydrological analysis that supports the reservoir setback. Would you be able to share that? Jason said it would help us.

We appreciate your patience with us.

Thank you,

I am working a hybrid schedule with in-office days and remote work days. Email is the best way to reach me but you can also reach me on my County cell phone at 720-425-0422.

*Diane Kocis*

Energy Specialist

Arapahoe County Planning Division

[dkocis@arapahoegov.com](mailto:dkocis@arapahoegov.com)

**From:** [Mark Cutright](#)  
**To:** [Diane Kocis](#)  
**Subject:** Proposed oil and gas rulemaking  
**Date:** Friday, August 4, 2023 2:30:25 PM

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Diane – we met two weeks ago at the public meeting on oil and gas rulemaking. I was mainly concerned about the overreach on the setbacks from reservoirs. I could not find your presentation but I recall you saying there is one current and two planned reservoirs. The Lowry Range Sub- Area Plan on your website shows a total of 5 reservoirs. If these setback plans are enacted, the county is taking about 20 sq miles off the table for future oil and gas development. There could be some of the 20 sq miles accessed outside of the 1 mile set back limit. I again urge the planning commission to reject the water supply setback language as enacted by Aurora and use the COGCC state guidelines.

Thank you  
Mark Cutright  
303.618.9035

**From:** [Enjoli Wilson \(enjoliwilson.ew@gmail.com\) Sent You a Personal Message](mailto:enjoliwilson.ew@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Monday, August 7, 2023 4:45:05 AM

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Dear Arapahoe Commissioners,

Life matters and the people who choose to make an impact on the decision-making about issues regarding matters about strengthening Arapahoe County Oil and Gas Regulations impact me you and all to come. What we choose to make matter will matter!!

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them:

1. Add a provision that will not allow oil and gas permits to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
2. Establish a setback distance of at least one mile from both occupied structures and residential areas/zones. This is the same setback distance being proposed for reservoirs; protections for the safety of residents should be at least on par with protections for drinking water reservoir safety.
3. Eliminate provisions allowing setback distances to be reduced to 500 feet by owner consent agreements. Such provisions simply allow oil and gas applicants to negotiate with developers to reduce setback distances- irrespective of the safety and health impacts to the general public.
4. Develop regulations to prevent fires in wildlands adjacent to residential and urban areas. This can be accomplished by authorizing the Office of Emergency Management to identify portions of such wildlands which pose risks of fire spread, and by disallowing oil and gas facilities from being located within them.
5. Disallow oil and gas companies from being able to request exemption from conducting neighborhood meetings with residents living within one mile of their proposed plan. Companies must engage with and solicit input from residents most impacted by oil and gas development plans.
6. Explicitly prohibit the practice of flaring gas to produce cryptocurrency. Cryptomining is energy intensive, and it produces large amounts of electronic waste, which present environmental risks to air and water. The pollution from this industry will remain local, but jobs and benefits to communities are slim as all work is virtual.

Please consider these revisions that will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Enjoli Wilson  
8716 w 54th place  
Arvada, CO 80002

enjoliwilson.ew@gmail.com  
(720) 241-4408

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**From:** [Robin Taylor \(owls8162@gmail.com\) Sent You a Personal Message](mailto:owls8162@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Tuesday, July 25, 2023 12:08:14 PM

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Dear Arapahoe Commissioners,

I ask them doesn't your families health and future matter?!

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them:

1. Add a provision that will not allow oil and gas permits to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
2. Establish a setback distance of at least one mile from both occupied structures and residential areas/zones. This is the same setback distance being proposed for reservoirs; protections for the safety of residents should be at least on par with protections for drinking water reservoir safety.
3. Eliminate provisions allowing setback distances to be reduced to 500 feet by owner consent agreements. Such provisions simply allow oil and gas applicants to negotiate with developers to reduce setback distances- irrespective of the safety and health impacts to the general public.
4. Develop regulations to prevent fires in wildlands adjacent to residential and urban areas. This can be accomplished by authorizing the Office of Emergency Management to identify portions of such wildlands which pose risks of fire spread, and by disallowing oil and gas facilities from being located within them.
5. Disallow oil and gas companies from being able to request exemption from conducting neighborhood meetings with residents living within one mile of their proposed plan. Companies must engage with and solicit input from residents most impacted by oil and gas development plans.
6. Explicitly prohibit the practice of flaring gas to produce cryptocurrency. Cryptomining is energy intensive, and it produces large amounts of electronic waste, which present environmental risks to air and water. The pollution from this industry will remain local, but jobs and benefits to communities are slim as all work is virtual.

Please consider these revisions that will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Robin Taylor  
9150 E Center Ave, #1D  
Denver, CO 80247  
[owls8162@gmail.com](mailto:owls8162@gmail.com)  
(720) 767-5113

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Thornton, CO 80233  
tpauzen@aol.com  
(720) 480-3134

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**From:** [Avery Dell \(averydell217@yahoo.com\) Sent You a Personal Message](mailto:averydell217@yahoo.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Wednesday, July 19, 2023 8:28:19 AM

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Dear Arapahoe Commissioners,

Regulate fossil fuels!

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them:

1. Add a provision that will not allow oil and gas permits to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
2. Establish a setback distance of at least one mile from both occupied structures and residential areas/zones. This is the same setback distance being proposed for reservoirs; protections for the safety of residents should be at least on par with protections for drinking water reservoir safety.
3. Eliminate provisions allowing setback distances to be reduced to 500 feet by owner consent agreements. Such provisions simply allow oil and gas applicants to negotiate with developers to reduce setback distances- irrespective of the safety and health impacts to the general public.
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6. Explicitly prohibit the practice of flaring gas to produce cryptocurrency. Cryptomining is energy intensive, and it produces large amounts of electronic waste, which present environmental risks to air and water. The pollution from this industry will remain local, but jobs and benefits to communities are slim as all work is virtual.

Please consider these revisions that will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Avery Dell  
1802 Cherry St  
Denver, CO 80220  
[averydell217@yahoo.com](mailto:averydell217@yahoo.com)  
(720) 428-9400

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**From:** [Louise Brown \(brownflb@icloud.com\) Sent You a Personal Message](mailto:brownflb@icloud.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Sunday, August 6, 2023 7:20:08 AM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them:

1. Add a provision that will not allow oil and gas permits to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
2. Establish a setback distance of at least one mile from both occupied structures and residential areas/zones. This is the same setback distance being proposed for reservoirs; protections for the safety of residents should be at least on par with protections for drinking water reservoir safety.
3. Eliminate provisions allowing setback distances to be reduced to 500 feet by owner consent agreements. Such provisions simply allow oil and gas applicants to negotiate with developers to reduce setback distances- irrespective of the safety and health impacts to the general public.
4. Develop regulations to prevent fires in wildlands adjacent to residential and urban areas. This can be accomplished by authorizing the Office of Emergency Management to identify portions of such wildlands which pose risks of fire spread, and by disallowing oil and gas facilities from being located within them.
5. Disallow oil and gas companies from being able to request exemption from conducting neighborhood meetings with residents living within one mile of their proposed plan. Companies must engage with and solicit input from residents most impacted by oil and gas development plans.
6. Explicitly prohibit the practice of flaring gas to produce cryptocurrency. Cryptomining is energy intensive, and it produces large amounts of electronic waste, which present environmental risks to air and water. The pollution from this industry will remain local, but jobs and benefits to communities are slim as all work is virtual.

Please consider these revisions that will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Louise Brown  
8195 Garland Dr  
Arvada, CO 80005  
[brownflb@icloud.com](mailto:brownflb@icloud.com)  
(303) 727-0099

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club.

If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Adrienne S. \(drnmazzara@yahoo.com\) Sent You a Personal Message](mailto:drnmazzara@yahoo.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Tuesday, September 19, 2023 5:17:17 PM

---

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
2. Establish a setback distance of at least one mile, without variances allowed, from both occupied structures and residential areas/zones. This is the same setback distance being proposed for reservoirs, which should also not have variances allowed; protections for the safety of residents should be at least on par with protections for drinking water reservoir safety.
3. Eliminate provisions allowing setback distances to be reduced to 500 feet by owner consent agreements. Such provisions simply allow oil and gas applicants to negotiate with developers and owners to reduce setback distances-irrespective of the safety and health impacts to the general public.
4. Develop regulations to prevent fires in wildlands adjacent to residential and urban areas. This can be accomplished by authorizing the Office of Emergency Management to identify portions of such wildlands which pose risks of fire spread, and by disallowing oil and gas facilities from being located within them.
5. Disallow oil and gas companies from being able to request exemption from conducting neighborhood meetings with residents living within one mile of their proposed plan. Companies must engage with and solicit input from residents most impacted by oil and gas development plans.
6. Explicitly prohibit the practice of flaring gas to produce cryptocurrency. Cryptomining is energy intensive, and it produces large amounts of electronic waste, which present environmental risks to air and water. The pollution from this industry will remain local, but jobs and benefits to communities are slim as all work is virtual.

Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Adrienne S.  
100 Westwood Way  
Erie, CO 80516  
[drnmazzara@yahoo.com](mailto:drnmazzara@yahoo.com)  
(303) 956-4823

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [alan apt \(alanapt@me.com\) Sent You a Personal Message](mailto:alanapt@me.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Thursday, September 7, 2023 4:19:59 PM

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

alan apt  
317 5th  
alan, CO 80466  
[alanapt@me.com](mailto:alanapt@me.com)  
(303) 444-9523

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Alfred Saunders \(al50005@sbcglobal.net\) Sent You a Personal Message](mailto:al50005@sbcglobal.net)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Sunday, September 10, 2023 6:05:12 PM

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

I don't appreciate forced pooling and I think it isn't smart to frack immediately under the drinking water source for 450,000. One incident or accident could force emergency responses and major long term consequences for both Aurora and Arapahoe County.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Alfred Saunders  
6506 S Oak Hill Cir, Aurora CO 80016

Aurora, CO 80016  
al50005@sbcglobal.net  
(314) 330-1861

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Allison Huston \(akhuston303@gmail.com\)](mailto:akhuston303@gmail.com) Sent You a Personal Message  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Sunday, September 10, 2023 8:18:08 PM

---

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

We want to keep Aurora reservoir as it is.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Allison Huston  
25005 E Park Crescent Dr  
Aurora, CO 80016  
[akhuston303@gmail.com](mailto:akhuston303@gmail.com)

(303) 929-3854

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Allison Toth \(allitoth@gmail.com\) Sent You a Personal Message](mailto:allitoth@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Thursday, September 7, 2023 11:23:46 AM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Allison Toth  
912 6th Ave  
Longmont, CO 80501  
[allitoth@gmail.com](mailto:allitoth@gmail.com)  
(480) 238-0801

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Amanda Herbst \(mandyherbst1@gmail.com\)](mailto:mandyherbst1@gmail.com) Sent You a Personal Message  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Sunday, September 10, 2023 11:32:18 AM

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Amanda Herbst  
27726 E frost Place  
Aurora, CO 80016  
[mandyherbst1@gmail.com](mailto:mandyherbst1@gmail.com)  
(303) 815-3705

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**From:** [Amber Renteria \(19amberm81@gmail.com\)](mailto:19amberm81@gmail.com) Sent You a Personal Message  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Sunday, September 10, 2023 8:04:02 AM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Amber Renteria  
26403 E Caley Dr  
Aurora, CO 80016  
[19amberm81@gmail.com](mailto:19amberm81@gmail.com)  
(720) 810-2751

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Amy Handley \(amythompson21@gmail.com\)](mailto:amythompson21@gmail.com) Sent You a Personal Message  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Sunday, September 10, 2023 6:11:46 AM

---

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Amy Handley  
27042 E Davies Ave  
Aurora, CO 80016  
[amythompson21@gmail.com](mailto:amythompson21@gmail.com)  
(860) 881-0196

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Andrew Goldsmith \(ajgoldsmith@yahoo.com\) Sent You a Personal Message](mailto:ajgoldsmith@yahoo.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 9:06:56 AM

---

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

Protect drinking water and residential property values.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Andrew Goldsmith  
27486 E. Jamison Cir  
Aurora, CO 80016  
[ajgoldsmith@yahoo.com](mailto:ajgoldsmith@yahoo.com)

(720) 999-1111

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Angela Kantola \(granitesquirrel@gmail.com\) Sent You a Personal Message](mailto:granitesquirrel@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Wednesday, September 6, 2023 5:18:41 PM

---

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

We can (and must) accelerate regulations to reduce greenhouse gas emissions.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Angela Kantola  
8819 S Murphy Gulch Rd.  
Littleton, CO 80127  
[granitesquirrel@gmail.com](mailto:granitesquirrel@gmail.com)

(303) 697-5059

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Angie Gridley \(angiegridley@gmail.com\) Sent You a Personal Message](mailto:angiegridley@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Thursday, September 7, 2023 4:43:20 AM

---

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Angie Gridley  
858 S Greenway Ave  
Pueblo West, CO 81007  
[angiegridley@gmail.com](mailto:angiegridley@gmail.com)  
(719) 671-2906

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Barbara League \(leagues4@comcast.net\) Sent You a Personal Message](mailto:leagues4@comcast.net)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Monday, September 11, 2023 7:46:45 PM

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

Very concerned about continued fracking and oil extraction right in our backyards. Immediate threat to our water; threat of wildfire if accident; and negative impact to air quality regardless of promises by oil and gas companies.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
2. Establish a setback distance of at least one mile, without variances allowed, from both occupied structures and residential areas/zones. This is the same setback distance being proposed for reservoirs, which should also not have variances allowed; protections for the safety of residents should be at least on par with protections for drinking water reservoir safety.
3. Eliminate provisions allowing setback distances to be reduced to 500 feet by owner consent agreements. Such provisions simply allow oil and gas applicants to negotiate with developers and owners to reduce setback distances-irrespective of the safety and health impacts to the general public.
4. Develop regulations to prevent fires in wildlands adjacent to residential and urban areas. This can be accomplished by authorizing the Office of Emergency Management to identify portions of such wildlands which pose risks of fire spread, and by disallowing oil and gas facilities from being located within them.
5. Disallow oil and gas companies from being able to request exemption from conducting neighborhood meetings with residents living within one mile of their proposed plan. Companies must engage with and solicit input from residents most impacted by oil and gas development plans.
6. Explicitly prohibit the practice of flaring gas to produce cryptocurrency. Cryptomining is energy intensive, and it produces large amounts of electronic waste, which present environmental risks to air and water. The pollution from this industry will remain local, but jobs and benefits to communities are slim as all work is virtual.

Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Barbara League  
27830 E Lakeview Drive  
Aurora, CO 80016

leagues4@comcast.net  
(303) 304-1223

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Barbara McDonnell \(mcdonnell\\_b@comcast.net\) Sent You a Personal Message](#)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 9:50:35 AM

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
2. Establish a setback distance of at least one mile, without variances allowed, from both occupied structures and residential areas/zones. This is the same setback distance being proposed for reservoirs, which should also not have variances allowed; protections for the safety of residents should be at least on par with protections for drinking water reservoir safety.
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6. Explicitly prohibit the practice of flaring gas to produce cryptocurrency. Cryptomining is energy intensive, and it produces large amounts of electronic waste, which present environmental risks to air and water. The pollution from this industry will remain local, but jobs and benefits to communities are slim as all work is virtual.

Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Barbara McDonnell  
7421 S Catawba Way  
Aurora, CO 80016  
mcdonnell\_b@comcast.net  
(303) 691-2065

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Beth Stahlberg \(bethstahlberg@yahoo.com\) Sent You a Personal Message](mailto:bethstahlberg@yahoo.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Tuesday, September 12, 2023 2:52:48 PM

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

We moved into the Southshore neighborhood because of the access to the reservoir and wildlife in the state land trust lands that are now the subject for drilling. Please help keep our grasslands as wild as they have been for the last 100 years and provide us with strong regulations to protect our vital resource, the reservoir.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
2. Establish a setback distance of at least one mile, without variances allowed, from both occupied structures and residential areas/zones. This is the same setback distance being proposed for reservoirs, which should also not have variances allowed; protections for the safety of residents should be at least on par with protections for drinking water reservoir safety.
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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Beth Stahlberg  
27501 E Lakeview Drive

Aurora, CO 80016  
bethstahlberg@yahoo.com  
(303) 956-8455

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Bettina John \(bettina.john@gmail.com\) Sent You a Personal Message](mailto:bettina.john@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Friday, September 15, 2023 7:35:52 AM

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

Please listen to the voice of the community members who made their wishes very clear at the meeting for public comment. The health of our families is at stake. There are a number of peer reviewed studies on the health impact of fracking in neighborhood communities that have clearly shown the rise in cancers (including pediatric) and many other serious ailments.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Bettina John

8211 S Langdale Way, , Aurora  
Aurora, CO 80016  
bettina.john@gmail.com  
(408) 693-7217

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Bonnie Kissling \(bonniejk.52@centurylink.net\) Sent You a Personal Message](mailto:bonniejk.52@centurylink.net)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 6:45:50 AM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Bonnie Kissling  
2616 S Knox Ct  
Denver, CO 80219  
[bonniejk.52@centurylink.net](mailto:bonniejk.52@centurylink.net)  
(303) 937-6393

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Caitlin Rockholm \(taurus5729@aol.com\)](mailto:taurus5729@aol.com) Sent You a Personal Message  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Thursday, September 21, 2023 4:42:17 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
2. Establish a setback distance of at least one mile, without variances allowed, from both occupied structures and residential areas/zones. This is the same setback distance being proposed for reservoirs, which should also not have variances allowed; protections for the safety of residents should be at least on par with protections for drinking water reservoir safety.
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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Caitlin Rockholm  
26714 E Phillips Pl  
Aurora, CO 80016  
[taurus5729@aol.com](mailto:taurus5729@aol.com)  
(404) 964-1728

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Carlos Acosta \(carloncho0870@yahoo.com\) Sent You a Personal Message](mailto:carloncho0870@yahoo.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Thursday, September 7, 2023 6:29:45 AM

---

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Carlos Acosta  
2205 Cordillera Way  
Edwards, CO 81632  
[carloncho0870@yahoo.com](mailto:carloncho0870@yahoo.com)  
(303) 668-4538

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Carly Blair \(carlyblair1@gmail.com\) Sent You a Personal Message](mailto:CarlyBlair1@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Sunday, September 10, 2023 10:34:33 AM

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

Protect our people, not corporation pockets

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Carly Blair  
7274 S KELLERMAN WAY  
Aurora, CO 80016  
[carlyblair1@gmail.com](mailto:carlyblair1@gmail.com)

(720) 939-7829

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Carol Peterson \(cpeterson1211@msn.com\)](mailto:cpeterson1211@msn.com) Sent You a Personal Message  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Thursday, September 7, 2023 7:02:30 AM

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

I urge you to act now as oil and gas development is contributing to climate change and we are at the tipping point that demands action . We are losing our trees to drought and infestation, our waters to toxic algae blooms, our wildlife to oil and gas expansion and development. We need more and stronger protections.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Carol Peterson  
6733 S Locust CT

Centennial, CO 80112  
cpeterson1211@msn.com  
(303) 773-2749

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Catherine Alsafi \(cathy.alsafi@gmail.com\) Sent You a Personal Message](mailto:cathy.alsafi@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Wednesday, September 6, 2023 7:49:34 PM

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Catherine Alsafi  
6356 S Ironton Ct  
Englewood, CO 80111  
[cathy.alsafi@gmail.com](mailto:cathy.alsafi@gmail.com)  
(303) 333-3343

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Charles Morales \(charlesmorales@hotmail.com\) Sent You a Personal Message](mailto:charlesmorales@hotmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 5:04:33 PM

---

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

I'm concerned for the children's health.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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4. Develop regulations to prevent fires in wildlands adjacent to residential and urban areas. This can be accomplished by authorizing the Office of Emergency Management to identify portions of such wildlands which pose risks of fire spread, and by disallowing oil and gas facilities from being located within them.
5. Disallow oil and gas companies from being able to request exemption from conducting neighborhood meetings with residents living within one mile of their proposed plan. Companies must engage with and solicit input from residents most impacted by oil and gas development plans.
6. Explicitly prohibit the practice of flaring gas to produce cryptocurrency. Cryptomining is energy intensive, and it produces large amounts of electronic waste, which present environmental risks to air and water. The pollution from this industry will remain local, but jobs and benefits to communities are slim as all work is virtual.

Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Charles Morales  
23950 E Easter Pl  
Aurora, CO 80016  
[charlesmorales@hotmail.com](mailto:charlesmorales@hotmail.com)

(303) 517-1422

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Chris Moore \(photogcam@comcast.net\) Sent You a Personal Message](mailto:photogcam@comcast.net)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Wednesday, September 6, 2023 7:44:40 PM

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
2. Establish a setback distance of at least one mile, without variances allowed, from both occupied structures and residential areas/zones. This is the same setback distance being proposed for reservoirs, which should also not have variances allowed; protections for the safety of residents should be at least on par with protections for drinking water reservoir safety.
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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Chris Moore  
2126 S Josephine St  
Denver, CO 80210  
[photogcam@comcast.net](mailto:photogcam@comcast.net)  
(303) 744-2813

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Chris Rutan \(chris.rutan@comcast.net\) Sent You a Personal Message](mailto:chris.rutan@comcast.net)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Friday, September 8, 2023 7:37:02 AM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Chris Rutan  
4848 E Kentucky Ave Unit E  
Glendale, CO 80246  
[chris.rutan@comcast.net](mailto:chris.rutan@comcast.net)  
(303) 941-7459

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Cydney Siri \(twostep@earthlink.net\) Sent You a Personal Message](mailto:Cydneystep@earthlink.net)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Sunday, September 10, 2023 5:12:39 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Cydney Siri  
84100 E US Highway 50  
Cimarron, CO 81220  
[twostep@earthlink.net](mailto:twostep@earthlink.net)  
(970) 249-8330

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Cynthia Herod \(herod77@gmail.com\) Sent You a Personal Message](mailto:herod77@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Friday, September 8, 2023 1:46:34 PM

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Dear Arapahoe Commissioners,

Please consider the health and wellness of our children in this vote. In addition, Colorado is too beautiful a state to allow any kind of environmental impact as this may present.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Cynthia Herod  
7060, S Riverwood Way  
Aurora, CO 80016

herod77@gmail.com

(785) 766-2435

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Dan Persiani \(persianid@msn.com\) Sent You a Personal Message](mailto:persianid@msn.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 1:37:38 PM

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Dear Arapahoe Commissioners,

Please protect the areas closest to aurora reservoir

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Dan Persiani  
26771 E Clifton Dr  
Aurora, CO 80016  
[persianid@msn.com](mailto:persianid@msn.com)

(303) 810-2460

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Dana Mortaro \(dana.mortaro@icloud.com\) Sent You a Personal Message](mailto:dana.mortaro@icloud.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 11:14:23 AM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Dana Mortaro  
27725 E Davies Drive  
Aurora, CO 80016  
[dana.mortaro@icloud.com](mailto:dana.mortaro@icloud.com)  
(719) 339-8395

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Daniel Capobianco \(wedge003@yahoo.com\) Sent You a Personal Message](mailto:wedge003@yahoo.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Friday, September 8, 2023 2:15:52 PM

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Dear Arapahoe Commissioners,

These regulations will impact tens of thousands of Arapahoe county residents for generations to come. I implore you to consider adding the changes proposed in this message. Thank you!

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Daniel Capobianco  
6807 South Riverwood Way  
Aurora, CO 80016

wedge003@yahoo.com  
(720) 877-1881

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Danielle Broadstock \(danirae89@live.com\) Sent You a Personal Message](mailto:danirae89@live.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 12:25:22 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,  
Danielle Broadstock

Sincerely,

Danielle Broadstock  
26926 E Davies Pl  
Aurora, CO 80016  
[danirae89@live.com](mailto:danirae89@live.com)  
(314) 602-5110

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [darlene wolff \(darlenew58@aol.com\) Sent You a Personal Message](mailto:darlene.wolff@darlenew58@aol.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Friday, September 8, 2023 3:43:00 PM

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

WE do not want fracking under our homes, in our backyard. CHILDREN matter... not disgusting money grabs.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

darlene wolff  
8258 S Yantley Ct  
aurora, CO 80016  
[darlenew58@aol.com](mailto:darlenew58@aol.com)

(303) 690-9871

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [David Kapell \(david.kapell@windstream.net\) Sent You a Personal Message](mailto:david.kapell@windstream.net)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Sunday, September 10, 2023 10:06:53 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

David Kapell  
5356 S Saulsbury Way  
Littleton, CO 80123  
[david.kapell@windstream.net](mailto:david.kapell@windstream.net)  
(315) 727-0440

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Debra Rubin \(spindiva@aol.com\) Sent You a Personal Message](mailto:spindiva@aol.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 5:10:49 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Debra Rubin  
7212 South Valleyhead Court  
Aurora, CO 80016  
[spindiva@aol.com](mailto:spindiva@aol.com)  
(516) 640-6213

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Debra Smilley \(hockeyfan2ds@gmail.com\) Sent You a Personal Message](mailto:hockeyfan2ds@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 12:06:49 AM

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Debra Smilley  
6361 S Patsburg Ct  
Aurora, CO 80016  
[hockeyfan2ds@gmail.com](mailto:hockeyfan2ds@gmail.com)  
(303) 913-6902

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**From:** [Devin Detwiler \(ddnwfm@yahoo.com\) Sent You a Personal Message](mailto:ddnwfm@yahoo.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Thursday, September 7, 2023 10:55:14 AM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Devin Detwiler  
378 Blackhawk Ln  
Lafayette, CO 80026  
[ddnwfm@yahoo.com](mailto:ddnwfm@yahoo.com)  
(303) 666-8076

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Diane Erickson \(kderickson@q.com\) Sent You a Personal Message](mailto:kderickson@q.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 11:20:18 AM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Diane Erickson  
25549 East Dry Creek Drive, Apt, suite, floor, etc.  
Aurora, CO 80016  
[kderickson@q.com](mailto:kderickson@q.com)  
(303) 400-1220

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Dudley Varner \(dudleyp39@gmail.com\) Sent You a Personal Message](mailto:dudleyp39@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Tuesday, September 12, 2023 5:28:05 AM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Dudley Varner  
23882 E Alabama Dr  
Aurora, CO 80018  
[dudleyp39@gmail.com](mailto:dudleyp39@gmail.com)  
(720) 277-6440

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Dylan Mori \(dydxlan@gmail.com\) Sent You a Personal Message](mailto:dydxlan@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Friday, September 8, 2023 3:01:41 PM

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Dear Arapahoe Commissioners,

We are at the forefront of proposed new wells from the oil and gas industry. The health implications if those wells get approved will be dire for those of us living in Arapahoe County. We need our County Commissioners to enforce strict regulations on oil and gas for us to thrive.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Dylan Mori  
352 S Wheeling Way

80012, CO 80012  
dydxlan@gmail.com  
(815) 484-3280

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Edward Laurson \(eddie47d@gmail.com\) Sent You a Personal Message](mailto:eddie47d@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Thursday, September 7, 2023 6:28:57 AM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Edward Laurson  
5901 W Lehigh Ave #13  
Denver, CO 80235  
[eddie47d@gmail.com](mailto:eddie47d@gmail.com)  
(303) 300-0000

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Elisa Townshend \(esjq@msn.com\) Sent You a Personal Message](mailto:esjq@msn.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Wednesday, September 6, 2023 6:11:13 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Elisa Townshend  
1385 Elizabeth St  
Denver, CO 80206  
[esjq@msn.com](mailto:esjq@msn.com)  
(303) 725-9896

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Elizabeth Pheteplace \(eapheteplace@gmail.com\) Sent You a Personal Message](mailto:eapheteplace@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 9:26:26 AM

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Dear Arapahoe Commissioners,

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Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Elizabeth Pheteplace  
6943 S Shady Grove Ct  
Aurora, CO 80016  
[eapheteplace@gmail.com](mailto:eapheteplace@gmail.com)  
(303) 325-4900

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**From:** [Evelyn Hutt \(lilith@indra.com\) Sent You a Personal Message](mailto:lilith@indra.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Wednesday, September 6, 2023 10:57:10 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Evelyn Hutt  
825 Jasmine St  
Denver, CO 80220  
[lilith@indra.com](mailto:lilith@indra.com)  
(303) 322-2726

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Faith Agarwal \(faith.agarwal@gmail.com\) Sent You a Personal Message](mailto:faith.agarwal@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Tuesday, September 19, 2023 4:57:22 AM

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

Stop using mineral rights as an entitlement to not holding oil and gas companies accountable for the health and safety of the surrounding communities. The destruction caused by their actions: increased cancer rates of the population, fires, pollution of the air and water, etc. I've heard your reasoning for moving ahead with all proposed actions and it is quite political and has no reasoning in logic or have your constituents health and safety in mind. My family moved here nieve of your actions and oils and gas. Little did we know this area is an oil and gas farm, or we would have stayed far away. Please return the proper regulations to allow Coloradans the health and safety we deserve and are actually entitled to: clean air and water.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Faith Agarwal  
7102 S Undergrove Way  
Aurora, CO 80016  
faith.agarwal@gmail.com  
(720) 618-7355

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Frank Kvietok \(fkvietok@comcast.net\) Sent You a Personal Message](mailto:fkvietok@comcast.net)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 7:42:56 PM

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

This is an incredibly important issue impacting human health, environment, and property values.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
2. Establish a setback distance of at least one mile, without variances allowed, from both occupied structures and residential areas/zones. This is the same setback distance being proposed for reservoirs, which should also not have variances allowed; protections for the safety of residents should be at least on par with protections for drinking water reservoir safety.
3. Eliminate provisions allowing setback distances to be reduced to 500 feet by owner consent agreements. Such provisions simply allow oil and gas applicants to negotiate with developers and owners to reduce setback distances-irrespective of the safety and health impacts to the general public.
4. Develop regulations to prevent fires in wildlands adjacent to residential and urban areas. This can be accomplished by authorizing the Office of Emergency Management to identify portions of such wildlands which pose risks of fire spread, and by disallowing oil and gas facilities from being located within them.
5. Disallow oil and gas companies from being able to request exemption from conducting neighborhood meetings with residents living within one mile of their proposed plan. Companies must engage with and solicit input from residents most impacted by oil and gas development plans.
6. Explicitly prohibit the practice of flaring gas to produce cryptocurrency. Cryptomining is energy intensive, and it produces large amounts of electronic waste, which present environmental risks to air and water. The pollution from this industry will remain local, but jobs and benefits to communities are slim as all work is virtual.

Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Frank Kvietok  
24965 E. Roxbury Pl.  
Aurora, CO 80016  
[fkvietok@comcast.net](mailto:fkvietok@comcast.net)

(303) 907-7035

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Genevieve Deits \(genevivedeits@gmail.com\) Sent You a Personal Message](mailto:GenevieveDeits@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Friday, September 8, 2023 5:26:50 PM

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Dear Arapahoe Commissioners,

Protect my children and students

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Genevieve Deits  
7022 S Undergrove Way  
Aurora, CO 80016  
[genevivedeits@gmail.com](mailto:genevivedeits@gmail.com)

(720) 628-0306

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Greg Miller \(gmiller.umcp@gmail.com\) Sent You a Personal Message](mailto:gmiller.umcp@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 7:52:28 PM

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Dear Arapahoe Commissioners,

We need to see improved regulations that protect our community from the negative impacts of local oil and gas production.

? Visual mitigation requirements only allow for required visual mitigation for those ?Well pads within 1,320 feet of a property line with an occupied structure?because our current stance is 2,000 feet, this regulation doesn?t hold the operator responsible for hiding the well pads.

? A huge omission in draft regulations is protecting and measuring air quality as a result of the proposed oil and gas operations. That is missing entirely and needs to be added.

? Section 10 defines the maximum permissible noise level as comparable to a conversation, at 60-65 decibels, and then section 10C proceeds to allow loopholes around it for waivers. This needs to be tightened significantly to prevent hearing loss through prolonged exposure.

As our elected commissioners, you hold the power to recommend changes to the regulations in our County. Please do so.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County?s oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Greg Miller  
26827 E Davies Place  
Aurora, CO 80016  
gmiller.umcp@gmail.com  
(410) 979-9032

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Greta Valdez \(gretalvaldez@gmail.com\) Sent You a Personal Message](mailto:gretalvaldez@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 12:01:59 AM

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

The health impacts of fracking, although repeatedly identified and medically proven, continue to be revealed and plague communities. Current monitoring and legal policies don't prevent the negative impacts or enforce management of the chemicals and ensure protections to the population. The value of our health and environment outweighs the paltry compensation for income which is insignificant compared to the cost to clean up our environment and mend failing health effects. Our local government needs to help drive controls to abate continued negative air, water, and overall health impacts to our community.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Greta Valdez  
6361 S Patsburg Ct  
Aurora, CO 80016  
gretalvaldez@gmail.com  
(303) 908-2616

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Gwen Gravagno \(gwengravagno@gmail.com\) Sent You a Personal Message](mailto:Gwen.Gravagno@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Thursday, September 7, 2023 11:46:26 PM

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

Strengthen these protections for our community and let's lead the way to healthier neighborhoods in Colorado!

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Gwen Gravagno  
4095 S Pennsylvania St  
Englewood, CO 80113  
[gwengravagno@gmail.com](mailto:gwengravagno@gmail.com)

(303) 733-4723

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**From:** [Hannele Miettinen \(hannelem46@icloud.com\) Sent You a Personal Message](mailto:hannelem46@icloud.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Sunday, September 10, 2023 3:16:29 PM

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Dear Arapahoe Commissioners,

I urge you to make the additional changes listed below into the proposed oil and gas regulations in Arapahoe County. This will ensure the environment to continue to provide safe living conditions for the entire Blackstone community.

Respectfully  
Hannele Miettinen  
Blackstone home owner

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Hannele Miettinen  
7890 S. Blackstone Pkwy  
Aurora, CO 80016  
hannelem46@icloud.com  
(346) 600-1886

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Heather Vasquez \(heathergordon2282@gmail.com\) Sent You a Personal Message](mailto:heathergordon2282@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Wednesday, September 6, 2023 5:22:17 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Heather Vasquez  
2942 Central Park Boulevard  
Denver, CO 80238  
[heathergordon2282@gmail.com](mailto:heathergordon2282@gmail.com)  
(818) 723-7650

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**From:** [Jack Dais \(daisjack@yahoo.com\) Sent You a Personal Message](mailto:daisjack@yahoo.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 4:51:27 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Jack Dais  
10663 E Dorado Ave  
Englewood, CO 80111  
[daisjack@yahoo.com](mailto:daisjack@yahoo.com)  
(303) 618-1354

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [James Campbell \(mcampbell641@gmail.com\)](mailto:mcampbell641@gmail.com) Sent You a Personal Message  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Sunday, September 10, 2023 6:12:07 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

James Campbell  
400 LeRanch Blvd  
Ridgway, CO 81432  
[mcampbell641@gmail.com](mailto:mcampbell641@gmail.com)  
(970) 846-8517

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [James Guajardo \(jamesguajardo@yahoo.com\) Sent You a Personal Message](mailto:jamesguajardo@yahoo.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Friday, September 8, 2023 6:19:25 PM

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Dear Arapahoe Commissioners,

This issue matters to me because I'm a lifetime resident of Aurora and now that I am raising a family here, it's more important than ever to protect our community and the citizens and wildlife in our area. This is a beautiful area where I live and the Oil and Gas regulations need to be strong without loopholes so we can ensure safety for everyone in communities.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

James Guajardo

5935 S Kellerman ct, Aurora CO 80016  
Aurora, CO 80016  
jamesguajardo@yahoo.com  
(720) 200-2000

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Jami Gazerro \(jamigazerro@gmail.com\) Sent You a Personal Message](mailto:jamigazerro@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Thursday, September 7, 2023 7:38:12 AM

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
2. Establish a setback distance of at least one mile, without variances allowed, from both occupied structures and residential areas/zones. This is the same setback distance being proposed for reservoirs, which should also not have variances allowed; protections for the safety of residents should be at least on par with protections for drinking water reservoir safety.
3. Eliminate provisions allowing setback distances to be reduced to 500 feet by owner consent agreements. Such provisions simply allow oil and gas applicants to negotiate with developers and owners to reduce setback distances-irrespective of the safety and health impacts to the general public.
4. Develop regulations to prevent fires in wildlands adjacent to residential and urban areas. This can be accomplished by authorizing the Office of Emergency Management to identify portions of such wildlands which pose risks of fire spread, and by disallowing oil and gas facilities from being located within them.
5. Disallow oil and gas companies from being able to request exemption from conducting neighborhood meetings with residents living within one mile of their proposed plan. Companies must engage with and solicit input from residents most impacted by oil and gas development plans.
6. Explicitly prohibit the practice of flaring gas to produce cryptocurrency. Cryptomining is energy intensive, and it produces large amounts of electronic waste, which present environmental risks to air and water. The pollution from this industry will remain local, but jobs and benefits to communities are slim as all work is virtual.

Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Jami Gazerro  
1149 Scarlet Oak Dr  
Colorado Springs, CO 80906  
[jamigazerro@gmail.com](mailto:jamigazerro@gmail.com)  
(303) 472-1129

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Jasmine Reynolds \(jas\\_rey\\_maine@yahoo.com\) Sent You a Personal Message](mailto:jas_rey_maine@yahoo.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 7:16:52 PM

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Dear Arapahoe Commissioners,

I grew up in poverty. My family and I never really had a second thought to what industry was around us, but I'm a parent now and am trying to break generational curses so we moved to what I thought was a much nicer neighborhood to raise my family. If there aren't stronger regulations to maintain public health and safety on this potential fracking project, I moved to this area for no reason. I'll be exposing my very small children to harmful pollutants and risking their long term health and quality of life. How disappointing to go from poverty to feeling like you've moved up in life to know that it was all for naught because there will be fracking basically in my backyard with loose oil and gas regulations that aren't protecting the area we live in and my families health.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
2. Establish a setback distance of at least one mile, without variances allowed, from both occupied structures and residential areas/zones. This is the same setback distance being proposed for reservoirs, which should also not have variances allowed; protections for the safety of residents should be at least on par with protections for drinking water reservoir safety.
3. Eliminate provisions allowing setback distances to be reduced to 500 feet by owner consent agreements. Such provisions simply allow oil and gas applicants to negotiate with developers and owners to reduce setback distances-irrespective of the safety and health impacts to the general public.
4. Develop regulations to prevent fires in wildlands adjacent to residential and urban areas. This can be accomplished by authorizing the Office of Emergency Management to identify portions of such wildlands which pose risks of fire spread, and by disallowing oil and gas facilities from being located within them.
5. Disallow oil and gas companies from being able to request exemption from conducting neighborhood meetings with residents living within one mile of their proposed plan. Companies must engage with and solicit input from residents most impacted by oil and gas development plans.
6. Explicitly prohibit the practice of flaring gas to produce cryptocurrency. Cryptomining is energy intensive, and it produces large amounts of electronic waste, which present environmental risks to air and water. The pollution from this industry will remain local, but jobs and benefits to communities are slim as all work is virtual.

Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Jasmine Reynolds  
7132 S Undergrove Way Frnt Door  
Aurora, CO 80016  
jas\_rey\_maine@yahoo.com  
(720) 810-3083

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Jay Treat \(jtreat@gmail.com\) Sent You a Personal Message](mailto:jtreat@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Thursday, September 7, 2023 9:10:36 AM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
2. Establish a setback distance of at least one mile, without variances allowed, from both occupied structures and residential areas/zones. This is the same setback distance being proposed for reservoirs, which should also not have variances allowed; protections for the safety of residents should be at least on par with protections for drinking water reservoir safety.
3. Eliminate provisions allowing setback distances to be reduced to 500 feet by owner consent agreements. Such provisions simply allow oil and gas applicants to negotiate with developers and owners to reduce setback distances-irrespective of the safety and health impacts to the general public.
4. Develop regulations to prevent fires in wildlands adjacent to residential and urban areas. This can be accomplished by authorizing the Office of Emergency Management to identify portions of such wildlands which pose risks of fire spread, and by disallowing oil and gas facilities from being located within them.
5. Disallow oil and gas companies from being able to request exemption from conducting neighborhood meetings with residents living within one mile of their proposed plan. Companies must engage with and solicit input from residents most impacted by oil and gas development plans.
6. Explicitly prohibit the practice of flaring gas to produce cryptocurrency. Cryptomining is energy intensive, and it produces large amounts of electronic waste, which present environmental risks to air and water. The pollution from this industry will remain local, but jobs and benefits to communities are slim as all work is virtual.

Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Jay Treat  
7121 Canosa Ct  
Westminster, CO 80030  
jtreat@gmail.com  
(555) 555-5555

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Jeannie Forrester \(myforesons@gmail.com\) Sent You a Personal Message](mailto:myforesons@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 10:12:37 AM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
2. Establish a setback distance of at least one mile, without variances allowed, from both occupied structures and residential areas/zones. This is the same setback distance being proposed for reservoirs, which should also not have variances allowed; protections for the safety of residents should be at least on par with protections for drinking water reservoir safety.
3. Eliminate provisions allowing setback distances to be reduced to 500 feet by owner consent agreements. Such provisions simply allow oil and gas applicants to negotiate with developers and owners to reduce setback distances-irrespective of the safety and health impacts to the general public.
4. Develop regulations to prevent fires in wildlands adjacent to residential and urban areas. This can be accomplished by authorizing the Office of Emergency Management to identify portions of such wildlands which pose risks of fire spread, and by disallowing oil and gas facilities from being located within them.
5. Disallow oil and gas companies from being able to request exemption from conducting neighborhood meetings with residents living within one mile of their proposed plan. Companies must engage with and solicit input from residents most impacted by oil and gas development plans.
6. Explicitly prohibit the practice of flaring gas to produce cryptocurrency. Cryptomining is energy intensive, and it produces large amounts of electronic waste, which present environmental risks to air and water. The pollution from this industry will remain local, but jobs and benefits to communities are slim as all work is virtual.

Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Jeannie Forrester  
23975 E Kettle Pl  
Aurora, CO 80016  
[myforesons@gmail.com](mailto:myforesons@gmail.com)  
(706) 288-5635

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Jeffery Moser \(jeff.moser.du@gmail.com\)](mailto:jeff.moser.du@gmail.com) Sent You a Personal Message  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Wednesday, September 6, 2023 5:58:19 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff:

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with requirements that protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations could be made more thorough and achieve the protections that all of us desire for safe and healthy communities. Thus, I want to encourage the County to make the following changes that would strengthen the proposed Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
2. Establish a setback distance of at least one-half mile, without variances allowed, from both occupied structures and residential areas/zones and at least one mile from schools. These are relatively similar setback distances being proposed for reservoirs, which should also not have variances allowed; protections for the safety of residents should be at least on par with protections for drinking water reservoir safety.
3. Eliminate provisions allowing setback distances to be reduced to 500 feet by owner consent agreements. Such provisions would simply allow oil and gas applicants to negotiate with developers and owners to reduce setback distances -- irrespective of the safety and health impacts to the general public.
4. Develop fire mitigation regulations to prevent fires in wildlands adjacent to residential and suburban areas. This can be accomplished by authorizing the Office of Emergency Management to identify portions of such wildlands which pose the greatest risks of fire spread, and by disallowing oil and gas facilities from being located within them.
5. Disallow oil and gas companies from being able to request exemption from conducting neighborhood meetings with residents living within one mile of their proposed plans. Companies must engage with and solicit input from residents most impacted by future oil and gas development.
6. Explicitly prohibit the practice of flaring gas to produce cryptocurrency. Cryptomining is energy-intensive, and it produces large amounts of electronic waste, which presents environmental risks to air and water. The pollution from this industry will remain local, but jobs and benefits to communities are slim if not ephemeral, as all work is virtual.

Please consider these above revisions; they would create greater protections for our health, safety, and abiding nature.

Sincerely,

Sincerely,

Jeffery Moser  
14271 E Dickinson Dr, Unit B  
Aurora, CO 80014  
[jeff.moser.du@gmail.com](mailto:jeff.moser.du@gmail.com)

(720) 354-6605

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**From:** [Jennifer Uribe \(dobeandchihs4@gmail.com\)](mailto:dobeandchihs4@gmail.com) Sent You a Personal Message  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 7:48:42 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
2. Establish a setback distance of at least one mile, without variances allowed, from both occupied structures and residential areas/zones. This is the same setback distance being proposed for reservoirs, which should also not have variances allowed; protections for the safety of residents should be at least on par with protections for drinking water reservoir safety.
3. Eliminate provisions allowing setback distances to be reduced to 500 feet by owner consent agreements. Such provisions simply allow oil and gas applicants to negotiate with developers and owners to reduce setback distances-irrespective of the safety and health impacts to the general public.
4. Develop regulations to prevent fires in wildlands adjacent to residential and urban areas. This can be accomplished by authorizing the Office of Emergency Management to identify portions of such wildlands which pose risks of fire spread, and by disallowing oil and gas facilities from being located within them.
5. Disallow oil and gas companies from being able to request exemption from conducting neighborhood meetings with residents living within one mile of their proposed plan. Companies must engage with and solicit input from residents most impacted by oil and gas development plans.
6. Explicitly prohibit the practice of flaring gas to produce cryptocurrency. Cryptomining is energy intensive, and it produces large amounts of electronic waste, which present environmental risks to air and water. The pollution from this industry will remain local, but jobs and benefits to communities are slim as all work is virtual.

Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Jennifer Uribe  
27601 E Lakeview dr  
Aurora, CO 80016  
[dobeandchihs4@gmail.com](mailto:dobeandchihs4@gmail.com)  
(623) 262-3427

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Jessica Raleigh \(tyrnad@gmail.com\) Sent You a Personal Message](mailto:tyrnad@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 10:49:16 AM

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Dear Arapahoe Commissioners,

I only JUST found out we had our very own beach in Aurora!! I can't believe I am 15 mins from such an amazing place. Please do not allow profit to be more important to you than the people who use and can continue to enjoy this beautiful and rare space.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
2. Establish a setback distance of at least one mile, without variances allowed, from both occupied structures and residential areas/zones. This is the same setback distance being proposed for reservoirs, which should also not have variances allowed; protections for the safety of residents should be at least on par with protections for drinking water reservoir safety.
3. Eliminate provisions allowing setback distances to be reduced to 500 feet by owner consent agreements. Such provisions simply allow oil and gas applicants to negotiate with developers and owners to reduce setback distances-irrespective of the safety and health impacts to the general public.
4. Develop regulations to prevent fires in wildlands adjacent to residential and urban areas. This can be accomplished by authorizing the Office of Emergency Management to identify portions of such wildlands which pose risks of fire spread, and by disallowing oil and gas facilities from being located within them.
5. Disallow oil and gas companies from being able to request exemption from conducting neighborhood meetings with residents living within one mile of their proposed plan. Companies must engage with and solicit input from residents most impacted by oil and gas development plans.
6. Explicitly prohibit the practice of flaring gas to produce cryptocurrency. Cryptomining is energy intensive, and it produces large amounts of electronic waste, which present environmental risks to air and water. The pollution from this industry will remain local, but jobs and benefits to communities are slim as all work is virtual.

Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Jessica Raleigh  
18957 E Mercer Dr

Aurora, CO 80013  
tyrnad@gmail.com  
(720) 934-8372

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Jill Biedka \(jillbiedka@hotmail.com\) Sent You a Personal Message](mailto:jillbiedka@hotmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Thursday, September 7, 2023 7:38:14 AM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
2. Establish a setback distance of at least one mile, without variances allowed, from both occupied structures and residential areas/zones. This is the same setback distance being proposed for reservoirs, which should also not have variances allowed; protections for the safety of residents should be at least on par with protections for drinking water reservoir safety.
3. Eliminate provisions allowing setback distances to be reduced to 500 feet by owner consent agreements. Such provisions simply allow oil and gas applicants to negotiate with developers and owners to reduce setback distances-irrespective of the safety and health impacts to the general public.
4. Develop regulations to prevent fires in wildlands adjacent to residential and urban areas. This can be accomplished by authorizing the Office of Emergency Management to identify portions of such wildlands which pose risks of fire spread, and by disallowing oil and gas facilities from being located within them.
5. Disallow oil and gas companies from being able to request exemption from conducting neighborhood meetings with residents living within one mile of their proposed plan. Companies must engage with and solicit input from residents most impacted by oil and gas development plans.
6. Explicitly prohibit the practice of flaring gas to produce cryptocurrency. Cryptomining is energy intensive, and it produces large amounts of electronic waste, which present environmental risks to air and water. The pollution from this industry will remain local, but jobs and benefits to communities are slim as all work is virtual.

Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Jill Biedka  
10 Snowmass Circle  
Dillon, CO 80435  
[jillbiedka@hotmail.com](mailto:jillbiedka@hotmail.com)  
(970) 468-1568

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**From:** [Jillian Orr \(jillian.orr@outlook.com\) Sent You a Personal Message](mailto:jillian.orr@outlook.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Sunday, September 10, 2023 8:18:32 PM

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
2. Establish a setback distance of at least one mile, without variances allowed, from both occupied structures and residential areas/zones. This is the same setback distance being proposed for reservoirs, which should also not have variances allowed; protections for the safety of residents should be at least on par with protections for drinking water reservoir safety.
3. Eliminate provisions allowing setback distances to be reduced to 500 feet by owner consent agreements. Such provisions simply allow oil and gas applicants to negotiate with developers and owners to reduce setback distances-irrespective of the safety and health impacts to the general public.
4. Develop regulations to prevent fires in wildlands adjacent to residential and urban areas. This can be accomplished by authorizing the Office of Emergency Management to identify portions of such wildlands which pose risks of fire spread, and by disallowing oil and gas facilities from being located within them.
5. Disallow oil and gas companies from being able to request exemption from conducting neighborhood meetings with residents living within one mile of their proposed plan. Companies must engage with and solicit input from residents most impacted by oil and gas development plans.
6. Explicitly prohibit the practice of flaring gas to produce cryptocurrency. Cryptomining is energy intensive, and it produces large amounts of electronic waste, which present environmental risks to air and water. The pollution from this industry will remain local, but jobs and benefits to communities are slim as all work is virtual.

Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Jillian Orr  
7180 S Vandriver Way  
Aurora, CO 80016  
[jillian.orr@outlook.com](mailto:jillian.orr@outlook.com)  
(970) 331-5905

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**From:** [Joan Rowland \(jkrow3@gmail.com\) Sent You a Personal Message](mailto:jkrow3@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Wednesday, September 6, 2023 9:23:08 PM

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Dear Arapahoe Commissioners,

As a resident of Arapahoe County, I would like to see strong regulations to protect the public.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
2. Establish a setback distance of at least one mile, without variances allowed, from both occupied structures and residential areas/zones. This is the same setback distance being proposed for reservoirs, which should also not have variances allowed; protections for the safety of residents should be at least on par with protections for drinking water reservoir safety.
3. Eliminate provisions allowing setback distances to be reduced to 500 feet by owner consent agreements. Such provisions simply allow oil and gas applicants to negotiate with developers and owners to reduce setback distances-irrespective of the safety and health impacts to the general public.
4. Develop regulations to prevent fires in wildlands adjacent to residential and urban areas. This can be accomplished by authorizing the Office of Emergency Management to identify portions of such wildlands which pose risks of fire spread, and by disallowing oil and gas facilities from being located within them.
5. Disallow oil and gas companies from being able to request exemption from conducting neighborhood meetings with residents living within one mile of their proposed plan. Companies must engage with and solicit input from residents most impacted by oil and gas development plans.
6. Explicitly prohibit the practice of flaring gas to produce cryptocurrency. Cryptomining is energy intensive, and it produces large amounts of electronic waste, which present environmental risks to air and water. The pollution from this industry will remain local, but jobs and benefits to communities are slim as all work is virtual.

Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Joan Rowland  
7871 Vallagio Ln  
Englewood, CO 80112  
[jkrow3@gmail.com](mailto:jkrow3@gmail.com)

(773) 220-5841

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

## SUGGESTED CHANGES TO CURRENT COUNTY VERSION

BY J. GRANGER, J.D. RET. 7/21/2023

### 2. Setbacks

a. All Oil and Gas Facilities shall be located at least:

i. ~~2,000~~3,500 feet from any occupied structure as measured from the pad boundary.

ii. ~~2,000~~3,500 feet from the nearest boundary of a platted lot smaller than 15 acres in area as measured from the pad boundary.

***Rationale:** There is no proper basis for distinguishing a chosen distance for protection of neighborhood residents from protection of their drinking water. Both values should be the same. See rationale for 3,500 ft. reservoir setback discussed below.*

iii. ~~200~~500 feet from any adjacent property's boundary line as measured from the pad boundary.

***Rationale:** An owner should be able to use his or her property fully, without interference from an Oil and Gas Facility, even if it is open land.*

iv. 100 feet from public rights-of-ways as measured from the pad boundary.

v. 2,000 feet from a Designated Outside Activity Area as measured from the pad boundary.

vi. 2,640 feet from the nearest property line of an operating or closed landfill as measured from the pad boundary.

vii. Outside of a 100-year floodplain or at least 500 feet from the edge of any perennial surface water body, the ordinary highwater

mark of any perennial or intermittent stream or the edge of any riparian area, whichever is the greater distance, as measured from the pad boundary, unless CPW has waived or modified the setback from the stream, surface water, or the riparian area following in accordance with COGCC Rules 309 and 1202.

vii. All access roads shall be at least 250 feet from a residential or non-residential property line, excluding light or heavy industrially zoned properties.

b. The ~~2,000~~3,500 feet setbacks from occupied structures or platted lots referenced in subparagraphs 5-3.6.F.2.a.i and ii above may also be reduced to a lesser setback:

~~i. If the owner(s) of the occupied structure(s) or all owners of the affected platted lots agree in writing to a lesser setback and the fire district agrees to provide service to the Oil and Gas Facility; however, even with owner consent, in no case may the setback be reduced below 500 feet; or~~

***Rationale: This represents an impermissible delegation to persons who are not public entities, and who are not charged with protection of “public health, safety, and welfare, and the environment.” This language was removed by staff from their proposed changes to reservoir setbacks and should also be removed here.***

ii. If, as shown on the Oil and Gas Facility Operations Plan submitted with the application, any and all wells, tanks, separation equipment, compressors and any stored hazardous or explosive materials on the Oil and Gas Facility pad will be located or stored more than ~~2,000~~3,500 feet from the nearest occupied structure or all affected platted lots; or

iii. If an Oil and Gas Facility application that includes a lesser setback is submitted, it must be approved by the Board of County Commissioners through the Use by Special Review process provided in Section 5-3.4 of the Land Development Code. For approval of any lesser setback under this subparagraph, the

Operator must establish that the lesser setback as proposed will provide substantially equivalent protection to a ~~2,000~~3,500 foot setback and that granting the lesser setback will not adversely impact public health, safety, or welfare or the environment. In reviewing the proposed lesser setback, the Board of County Commissioners shall consider the extent to which the operator provides an alternative Oil and Gas Facility design, best management practices, control technologies, or proposes conditions of approval that will be effective to avoid, minimize, or mitigate adverse impacts on the affected properties, considering:

(a) geology, technology, and natural features, hazards or topography;

(b) the location and use of occupied structures and proximity to those structures; and the anticipated size, duration, and intensity of all phases of the proposed oil and gas operations at the proposed oil and gas location; and

(c) the anticipated size, duration, and intensity of all phases of the proposed oil and gas operations at the proposed oil and gas location.

iv. However, in no case may the ~~2000~~3,500 feet setback from occupied structures or platted lots be reduced below ~~500~~1,700 feet.

***Rationale: Both the chosen setback value and the minimum value it might be reduced to under the Use By Special Review process must be meaningful and supportable values. Reduction to less than ½ of the setback value is an acceptable lower floor that both allows for a justifiable “equivalent protection” reduction and yet remains sufficiently protective of public health and safety.***

c. Reverse Setbacks: No new occupied structure shall be constructed less than:

- i. ~~250-1,000~~ feet from an existing Oil and Gas well of any status (permitted but not drilled yet, drilling, completing, producing, active gas storage, injecting, shut-in, temporarily abandoned, dry and abandoned, or plugged and abandoned prior to 2014).
- ii. ~~150300~~ feet from a plugged and abandoned oil and gas well or remaining equipment that was plugged and abandoned from 2014 onward.

***Rationale:** As the regulations currently read, if an Applicant sites his pad to adjoin an area zoned residential but as yet unplatted by the owner/developer, the Applicant can place his well pad within 200 ft. of the boundary line [I suggested above this distance be changed to 500 ft.] If these figures are not adjusted upward then, the reverse setback plus the boundary line setback together would then allow the well pad to be sited just a total of 350 ft. from a planned residential dwelling. [Under my suggested changes the total would change to a minimum of 1,000 ft. from a planned residential dwelling.] These low reverse setback figures (totaling just 350 ft.) compare very unfavorably to the 2,000 ft. setback currently in place [or as I propose the 3,500 ft. setback] from platted residential lots. This distinction [between 350 ft. as a reverse setback and 2,000 ft as a platted lot setback] is clearly unsupportable as written because it fails to regulate to protect the public health, safety and welfare.*

d. Water Reservoir Setbacks: All Oil and Gas Facilities shall be located:

- i. At least ~~one mile (5,280 feet)~~ 3,500 feet from existing or planned and permitted water reservoirs with a capacity of 100 acre/feet or more, ~~unless the applicant can demonstrate that the Oil and Gas Facility is downgradient from the reservoir, in which case the setback shall be a 2,000 feet.~~ The water reservoir setback shall be measured from the Oil and Gas Facility's pad boundary to the nearest high watermark of the reservoir or as mapped on reservoir plans approved with permitting for a planned and permitted reservoir.

***Rationale:*** *There are several reasons that the automatic collapse of the one mile setback figure to 2,000 ft. if a well pad is “downgradient” should be eliminated. These reasons include the following:*

- *The automatic collapse eliminates all discretion of the BOCC to maintain a setback based upon the “substantial equivalency” test at figures like say 3,500 or 3,000 ft. between the original setback and the collapsed figure.*
- *A 2,000 ft. figure is already applicable to reservoirs, like the Aurora Reservoir, that are an Outside Designated Activity Areas. Thus, no more protection would be afforded by the 2,000 ft. setback and the desire to adequately protect valuable and sensitive drinking water sources would be effectively thwarted.*
- *When considering the impact of the staff proposed automatically collapsing setback would have on the existing Aurora Reservoir and the two proposed and permitted Ridgeview reservoirs, a strange anomaly appears. For the Aurora Reservoir because well pads would be downgradient due to the bike path berm, a 2,000 ft setback would apply. For the smaller, and as yet unbuilt, Rangeview reservoirs, however, because the final reservoir gradients remain unknown an Applicant could not establish a downgradient well pad position so a one mile setback would apply. This is clearly an unwarranted result of the language as drafted.*
- *Better protection is provided by simply including the hydraulic gradient between the well pad and reservoir edge as one criterion for judging whether the “substantial equivalency” test is met. The language drafted by staff already includes this “downgradient” criterion. Therefore, eliminating the automatic collapse language still allows the BOCC to determine that the final setback could be as low as 2,000 ft. if substantial equivalency is proven.*

*Furthermore, the one-mile setback figure needs adjustment for the following reasons:*

- Staff at the Planning Commission hearing could not adequately support a one-mile setback figure on a scientific basis making it vulnerable to attack as arbitrary.*
- A lower 3,500 figure is less subject to attack but still adequately protective. Boulder has a 2,500 ft. setback [Ordinance 8514.] California has proposed a 3,000 ft. setback. Any reservoir setback needs to account for: potential runoff from fire suppression activities [the CEO of Rangeview passionately argued the point to the Planning Dept. Commissioners that fire suppression in a rain can travel a very long way], the statutory requirement to protect “the environment” surrounding the reservoir; as well of course the requirement to protect against spills migrating into the drinking water and pollutants dispersing noxious chemicals from the air across the wide expanse of the reservoir water surface [a distance that peer-reviewed studies from California show can exceed 2 to 3 km.].*

ii. The water reservoir setback may be reduced below ~~2,000~~ 3,500 feet if approved through the Use by Special Review process provided in Section 5-3.4. For approval of a lesser setback under this subparagraph, the Operator must establish the following criteria: 1. The oil and gas facility is downgradient from the reservoir; 2. The owner or operator of the reservoir does not object to the lesser setback; 3. Due to topography or other special condition of the property, the lesser setback is necessary to allow for safe construction, installation, and operations at the Facility; 4. Alternative Oil and Gas Facility design, best management practices, control technologies, and/or proposed conditions of

approval proposed for the Facility will be effective to avoid, minimize, or mitigate adverse impacts upon such drinking water sources, and that with such mitigative measures, the lesser setback as proposed will provide substantially equivalent protection as the 2000 feet setback; 5. That granting the lesser setback for the Facility as proposed and designed will not adversely impact public health, safety, or welfare or the environment; and 6. No setback may be reduced below ~~the 500-foot setback applicable to other perennial surface water bodies~~ 1,700 feet.

*The proposed 500 ft. minimum figure is unsupportable under any scenario.*

- *Staff determined that a new more protective reservoir setback figure was necessary to protect drinking water, and yet surprisingly now suggest leaving the minimum setback figure at the existing 500 ft. figure. This makes no sense.*
- *The minimum figure therefore needs to be adjusted upward to be meaningful. The figure I suggest of 1,700 ft. is less than ½ of the suggested 3,500 ft. figure I have recommended for the setback, itself, and therefore provides a good range of values for the BOCC to consider under the “substantial equivalency” analysis (3,000, 2,500, 2,000 or even 1,700 feet) while remaining protective of the public health, safety, and welfare and the environment.*

#### **1-1.1.F.3. Health and Safety Requirements**

**d. Wildland Areas Designated as Having Significant Risk of Fire Spread:**  
No Oil and Gas Facility shall be located within any portion of the Wildland Urban Interface (WUI) designated by the Office of Emergency Management (OEM) as having a significant risk of fire spread unless written consent has been first granted by both the OEM and any Fire

**Marshall or Fire Chief with jurisdiction over the WUI area so designated. Consent shall require proof of the satisfaction of both the OEM and fire authority with jurisdiction of the presence of needed time and distance to respond; precautionary measures to be taken; adequate training to be performed; and adequate fire prevention and suppression equipment available.**

**For the purposes of this regulation, Wildland Urban Interface (WUI) shall be defined as that one (1) mile wide wildland area where the boundaries of wildland areas and urban/residential areas adjoin.**

*Rationale: The devastating Marshall fire, which began in open grasslands and quickly spread to nearby neighborhoods, clearly demonstrated the need to protect against well pad fires spreading to nearby homes. My proposed addition to the County regulations is both fully supportable and timely now. The reasons for this include:*

- *Unincorporated Arapahoe County includes large areas where wildlands, with significant fuel loads of grasses, scrub, and trees adjoin urban/residential areas. In some areas, the fuel load is such that a significant risk of rapid fire spread exists.*
- *Fire spread rates in these areas can be very quick in the range of 7 to 15 miles per hour. Without a proper distance between a well pad and homes no fire authority can be expected to suppress a fire quickly enough to protect an adjoining neighborhood in an area where the fuel load creates a high risk of spread.*
- *Only the OEM and fire authorities with jurisdiction can be relied upon to understand the specifics of when a significant risk exists and what distances need to be maintained and fire protection measures mandated. The County's Planning Division should not presume to have expertise enough to draft needed fire regulations for these risky Wildland Urban Interface (WUI) areas itself.*
- *The proper approach here is to identify when well pads may be sited in high risk wildland areas adjacent to neighborhoods and*

*then to delegate decision making to these fire and emergency authorities. This proposed regulation does exactly that and no more.*

**From:** [John Langevin \(johnnymoon51@hotmail.com\) Sent You a Personal Message](mailto:johnnymoon51@hotmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Wednesday, September 6, 2023 6:40:32 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

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I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

John Langevin  
605 N Franklin St 80903, Apt 208  
Colorado Springs, CO 80903  
[johnnymoon51@hotmail.com](mailto:johnnymoon51@hotmail.com)  
(719) 233-7033

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**From:** [Jonathan Benitz \(jonathan\\_82939@yahoo.com\) Sent You a Personal Message](mailto:jonathan_82939@yahoo.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Wednesday, September 6, 2023 5:39:22 PM

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Dear Arapahoe Commissioners,

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Jonathan Benitz  
6911 West 3rd Street Unit #511  
Greeley, CO 80634  
[jonathan\\_82939@yahoo.com](mailto:jonathan_82939@yahoo.com)  
(970) 584-8663

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**From:** [Julie rizzolo \(jrizz90@gmail.com\) Sent You a Personal Message](mailto:jrizz90@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 12:21:08 PM

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Dear Arapahoe Commissioners,

with an 18 month old i we chose araphoe county to live for the amazing family focus. however, after learning about the fracking we are concerned regarding the regulations

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Julie rizzolo  
27444 e roxbury st  
aurora, CO 80016

jrizz90@gmail.com  
(774) 254-7037

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Karen Bertolini \(knbert91@gmail.com\) Sent You a Personal Message](mailto:knbert91@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Monday, September 11, 2023 5:09:50 AM

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Dear Arapahoe Commissioners,

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Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you!

Sincerely,

Karen Bertolini  
7236 S Robertsdale Way  
Aurora, CO 80016  
[knbert91@gmail.com](mailto:knbert91@gmail.com)  
(410) 274-2693

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**From:** [Karen Hannon \(tphannon6@msn.com\) Sent You a Personal Message](mailto:tphannon6@msn.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Wednesday, September 6, 2023 6:14:40 PM

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Dear Arapahoe Commissioners,

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Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Thank you,

Sincerely,

Karen Hannon  
7352 s Columbine Way  
Centennial, CO 80122  
tphannon6@msn.com  
(303) 797-1238

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Karen Padilla \(krpadi@hotmail.com\) Sent You a Personal Message](mailto:krpadi@hotmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Monday, September 11, 2023 2:19:47 PM

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Dear Arapahoe Commissioners,

Do not pollute our water, air, and soil. How about our health? Stand up and CARE.

Dear Arapahoe County Commissioners and Staff,

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Thank you,

Sincerely,

Karen Padilla  
6003 S. LITTLE RIVER WAY  
AURORA, CO 80016  
[krpadi@hotmail.com](mailto:krpadi@hotmail.com)

(720) 939-5524

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**From:** [Kate Kissingford \(kjkissingford@gmail.com\) Sent You a Personal Message](mailto:kjkissingford@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Thursday, September 7, 2023 8:45:28 AM

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Dear Arapahoe Commissioners,

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Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Thank you,

Sincerely,

Kate Kissingford  
436 8th Ave.  
Ouray, CO 81427  
[kjkissingford@gmail.com](mailto:kjkissingford@gmail.com)  
(303) 949-2642

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**From:** [KATELYN SANDOVAL \(katelyn.sandoval89@gmail.com\) Sent You a Personal Message](mailto:katelyn.sandoval89@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Thursday, September 7, 2023 3:30:42 PM

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5. Disallow oil and gas companies from being able to request exemption from conducting neighborhood meetings with residents living within one mile of their proposed plan. Companies must engage with and solicit input from residents most impacted by oil and gas development plans.
6. Explicitly prohibit the practice of flaring gas to produce cryptocurrency. Cryptomining is energy intensive, and it produces large amounts of electronic waste, which present environmental risks to air and water. The pollution from this industry will remain local, but jobs and benefits to communities are slim as all work is virtual.

Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

KATELYN SANDOVAL  
6630 W 84th Way, Unit 38  
Arvada, CO 80003  
[katelyn.sandoval89@gmail.com](mailto:katelyn.sandoval89@gmail.com)  
(303) 829-6639

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**From:** [Katherine Cummings \(jasonandkaty@msn.com\) Sent You a Personal Message](mailto:jasonandkaty@msn.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Tuesday, September 12, 2023 8:34:43 PM

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
2. Establish a setback distance of at least one mile, without variances allowed, from both occupied structures and residential areas/zones. This is the same setback distance being proposed for reservoirs, which should also not have variances allowed; protections for the safety of residents should be at least on par with protections for drinking water reservoir safety.
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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Katherine Cummings  
6885 S Robertsdale Way  
Aurora, CO 80016  
[jasonandkaty@msn.com](mailto:jasonandkaty@msn.com)  
(303) 947-9855

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Kathleen Herrera \(4katt@mail.com\) Sent You a Personal Message](mailto:4katt@mail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Wednesday, September 6, 2023 10:48:17 PM

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

Protect people

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Kathleen Herrera  
P.O. Box 140924  
Edgewater, CO 80214  
[4katt@mail.com](mailto:4katt@mail.com)

(720) 329-1446

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Katie Donovan \(katie.donovan@gmail.com\) Sent You a Personal Message](mailto:katie.donovan@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 1:38:21 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Katie Donovan  
7003 S Uriah St  
Aurora, CO 80016  
[katie.donovan@gmail.com](mailto:katie.donovan@gmail.com)  
(408) 533-2580

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Kate Kissingford \(kjkissingford@gmail.com\) Sent You a Personal Message](mailto:kjkissingford@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Thursday, September 7, 2023 8:45:28 AM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Kate Kissingford  
436 8th Ave.  
Ouray, CO 81427  
[kjkissingford@gmail.com](mailto:kjkissingford@gmail.com)  
(303) 949-2642

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Kelli Rohrig \(whiteroomadventures@gmail.com\) Sent You a Personal Message](mailto:whiteroomadventures@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Wednesday, September 13, 2023 10:52:42 AM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Kelli Rohrig  
pob 9292  
Avon, CO 81620  
[whiteroomadventures@gmail.com](mailto:whiteroomadventures@gmail.com)  
(970) 390-9145

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**From:** [Kellie Felkey \(kelliefelkey@gmail.com\) Sent You a Personal Message](mailto:kelliefelkey@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 8:39:58 AM

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

Thank you for listening to what the people of Arapahoe county want. Nobody wants our health and well being negatively affected by oil and gas, which it will be with the current regulations.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Kellie Felkey  
26651 E. Hinsdale Pl.  
Aurora, CO 80016

kelliefelkey@gmail.com  
(860) 334-5810

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

## Diane Kocis

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**From:** Bryan Weimer  
**Sent:** Sunday, September 24, 2023 11:40 AM  
**To:** Diane Kocis; Jason Reynolds; Ava Pecherzewski; Robert Hill  
**Cc:** Gary Salazar  
**Subject:** Fwd: CASE NO. LDC23-003 – OIL AND GAS LAND DEVELOPMENT CODE AMENDMENT: Comments in advance of Oct 10 hearing

Diane-

FYI. Looks like we have addressed these issues in some fashion, they just don't know it yet.

Bryan D. Weimer, PWLF, Director  
Public Works and Development Department

Arapahoe County  
Public Works and Development Department  
6924 South Lima Street  
Centennial, Colorado 80112

Ph No: (720) 874-6500  
Fax No: (720) 874-6611  
e-mail: BWeimer@arapahoegov.com

Begin forwarded message:

**From:** Kirsten Miller <fosskirsten@yahoo.com>  
**Date:** September 24, 2023 at 8:46:46 AM MDT  
**To:** Commissioners <Commissioners@arapahoegov.com>, Carrie Warren-Gully <CWarrenGully@arapahoegov.com>, Jeff Baker <JBaker@arapahoegov.com>, "Bill L. Holen" <BHolen@arapahoegov.com>, Jessica Campbell-Swanson <JCampbell-Swanson@arapahoegov.com>, Katherine Smith <KSmith@arapahoegov.com>, Bryan Weimer <BWeimer@arapahoegov.com>, Leslie Summey <LSummey@arapahoegov.com>, Michelle Halstead <MHalstead@arapahoegov.com>  
**Cc:** Kirsten Miller <fosskirsten@yahoo.com>  
**Subject:** CASE NO. LDC23-003 – OIL AND GAS LAND DEVELOPMENT CODE AMENDMENT: Comments in advance of Oct 10 hearing

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe County Commissioners:

I'm a fellow civil servant, mom to two young children, voter and taxpayer in Arapahoe County, and my family and I live less than 2 miles from where you are considering

regulations that will regulate proposed oil and gas sites that will affect the air that we breathe.

**The proposed oil and gas regulations will affect our Arapahoe County community directly as they control the pollution that our community is exposed to.** I urge you to improve upon the draft regulations to protect our community from the negative impacts of local oil and gas production. While attending both sessions hosted by the Planning Commission to consider the draft regulations, I heard that you wanted to have the strongest protections in that State for your constituents; based the draft regulations, **I am not seeing that.** The 2018 Arapahoe County Comprehensive Plan's set goal to "Reduce the Loss of Life, Health and Property Due to Risks Posed by Natural and Human-caused Hazards"—**your regulations stand in direct opposition to that goal.**

A huge omission in draft regulations is protecting and measuring air quality as a result of the proposed oil and gas operations. Air monitoring is missing entirely in Arapahoe County's plans and regulations, and the Colorado Department of Public Health and Environment does not address this either. It needs to be added.

The draft regulations have definitive loopholes for less than 2,000 foot downgradient setbacks that need to be amended, especially considering the density of our County's housing and the very real risk of wildfire that could decimate our community due to these limited setbacks.

Please review these examples from our county's actual regulations that need to be amended because they allow for loopholes for placing oil and gas too close to where there is negative impact to Arapahoe County constituents:

- There is a proposed amendment to add Cryptocurrency Data Mining to the Permitted Uses Table 3-2.1 to allow this as an accessory use to an existing oil and gas facility. This proposal makes money for selected oil and gas operators while ignoring negative health impact due to air pollution to the affected public, who receives no monetary benefit from the expense of having their air polluted. **Your Arapahoe County constituents deserve better.**
- Setbacks Section 2.d. iii (p. 13 of SUBJECT: CASE NO. LDC23-003 – OIL AND GAS LAND DEVELOPMENT CODE AMENDMENT) allows for setbacks to be reduced to 500 feet with approval; **the water reservoir setbacks instead need to be at least one mile from existing/ planned water reservoirs.**
- **Setbacks Section 2C (again, on page 13) allows for 150 foot reverse setbacks in plugged and abandoned oil and gas wells, as well as 250 feet of setbacks from existing wells—this needs to be amended to increase the distance to a mile.**
- **Setbacks Section 2b (p. 12) allows for owners and the fire district to agree to a setback of 500 feet or less. This lacks protection from the public, and standards for quasi-judicial review.**
- According to a research publication called "Potential hazards of air pollutant emissions from unconventional oil and natural gas operations on the respiratory health of children and infants" published in "Environmental Health", it states, "We recommend that at a minimum, one-mile setbacks should be established between drilling facilities

and occupied dwellings such as schools, hospitals, and other dwellings where infants and children might spend a substantial amount of time." Therefore, it is reasonable and necessary to deny the proposed amendment to allow potential 150-foot setbacks.

- According to a scientific study on Unconventional Oil and Gas Development Exposure and Risk of Childhood Acute Lymphoblastic Leukemia: A Case–Control Study in Pennsylvania, 2009–2017, at a distance of 6,561 feet, "Children between the ages of two and seven living near gas wells in four heavily fracked counties of southwestern Pennsylvania are two to three times more likely to be diagnosed with acute lymphoblastic leukemia." **It is extremely dangerous to our county constituents' health to plan for this oil and gas development.**
- On page 14, Visual mitigation requirements only allow for required visual mitigation for those "Well pads within 1,320 feet of a property line with an occupied structure— **because our current stance is 2,000 feet, this regulation doesn't hold the operator responsible for hiding the well pads. Simply put, our County is going to be ugly.**
- Section 10 (p. 178) defines the maximum permissible noise level as comparable to a conversation, at 60-65 decibels, and then section 10C proceeds to allow loopholes around it for waivers. This needs to be tightened significantly to prevent hearing loss through prolonged exposure. **Again, simply put, our County is going to be loud.**

**Again, I urge Arapahoe County Commissioners to strengthen these draft regulations from the oil and gas loopholes that make our community weak in protecting health, environment, wildlife and climate.**

Thank you,

**Kirsten Miller**

**From:** [Kris Sutton \(krisoshea@hotmail.com\) Sent You a Personal Message](mailto:krisoshea@hotmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Sunday, September 17, 2023 12:35:17 AM

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Dear Arapahoe Commissioners,

This entire project has been very distressing and is making me want to move away. I'm concerned about wildfires in particular. I'm also concerned about how this will impact our air and local environment. And I cannot believe that anybody with any authority is allowing them to Frack underneath our water supply. Accidents happen. This just seems so irresponsible. I'm sure the people in Flint thought they were making a really good decision and look how that turned out. I don't understand how anybody can think this is a good idea.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Kris Sutton  
6450 S Ider St  
Aurora, CO 80016  
krisoshea@hotmail.com  
(303) 555-1212

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Krista Wiest \(krista.pate@yahoo.com\) Sent You a Personal Message](mailto:krista.pate@yahoo.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Sunday, September 10, 2023 5:03:15 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Krista Wiest  
6670 S Robertsdale Way  
Aurora, CO 80016  
[krista.pate@yahoo.com](mailto:krista.pate@yahoo.com)  
(303) 898-2325

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Kirsten Miller \(fosskirsten@yahoo.com\) Sent You a Personal Message](mailto:fosskirsten@yahoo.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 7:51:08 PM

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Dear Arapahoe Commissioners,

Especially considering the density of our housing and the very real risk of wildfire that could decimate our community, the draft regulations have definitive loopholes for less than 2,000 foot downgradient setbacks that need to be amended.

? Section 2d allows for setbacks to be reduced to 500 feet with approval from reservoir owners or operators; the water reservoir setbacks instead need to be at least one mile from existing/ planned water reservoirs.

? Section 2C allows for 150 foot reverse setbacks in plugged and abandoned oil and gas wells, as well as 250 feet of setbacks from existing wells?this needs to be amended.

? 2a allows for owners and the fire district to agree to a setback of 500 feet or less. This lacks protection from the public, and standards for quasi-judicial review.

As our elected commissioners, you hold the power to recommend changes to the regulations in our County, to push the entire project away from our heavily populated area.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
2. Establish a setback distance of at least one mile, without variances allowed, from both occupied structures and residential areas/zones. This is the same setback distance being proposed for reservoirs, which should also not have variances allowed; protections for the safety of residents should be at least on par with protections for drinking water reservoir safety.
3. Eliminate provisions allowing setback distances to be reduced to 500 feet by owner consent agreements. Such provisions simply allow oil and gas applicants to negotiate with developers and owners to reduce setback distances-irrespective of the safety and health impacts to the general public.
4. Develop regulations to prevent fires in wildlands adjacent to residential and urban areas. This can be accomplished by authorizing the Office of Emergency Management to identify portions of such wildlands which pose risks of fire spread, and by disallowing oil and gas facilities from being located within them.
5. Disallow oil and gas companies from being able to request exemption from conducting neighborhood meetings with residents living within one mile of their proposed plan. Companies must engage with and solicit input from residents most impacted by oil and gas development plans.
6. Explicitly prohibit the practice of flaring gas to produce cryptocurrency. Cryptomining is energy intensive, and it produces large amounts of electronic waste, which present environmental risks to air and water. The pollution from this industry will remain local, but jobs and benefits to communities are slim as all work is virtual.

Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Kirsten Miller  
26827 E Davies Pl  
Aurora, CO 80016  
fosskirsten@yahoo.com  
(410) 979-9031

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Krystal Morwood \(kdmorwood@gmail.com\) Sent You a Personal Message](mailto:kdmorwood@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 12:59:04 PM

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Dear Arapahoe Commissioners,

This is not just about environmental health. It is about the health of my family, and without strengthening regulations, I will be looking for new commissioners and other elected officials.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
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6. Explicitly prohibit the practice of flaring gas to produce cryptocurrency. Cryptomining is energy intensive, and it produces large amounts of electronic waste, which present environmental risks to air and water. The pollution from this industry will remain local, but jobs and benefits to communities are slim as all work is virtual.

Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Krystal Morwood  
26712 E Hinsdale Pl  
Aurora, CO 80016

kdmorwood@gmail.com  
(303) 917-5055

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**From:** [Lacey McMurdo \(dakine0013@yahoo.com\) Sent You a Personal Message](mailto:dakine0013@yahoo.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Sunday, September 10, 2023 3:50:55 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Lacey McMurdo  
6826 s Quantock way  
Aurora, CO 80016  
[dakine0013@yahoo.com](mailto:dakine0013@yahoo.com)  
(303) 564-3100

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**From:** [Laura Waterworth \(snip-first@att.net\) Sent You a Personal Message](mailto:snip-first@att.net)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Thursday, September 7, 2023 12:19:57 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Laura Waterworth  
3652 South Perth Circle, #104  
Aurora, CO 80013  
[snip-first@att.net](mailto:snip-first@att.net)  
(303) 408-0584

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

Bryan D. Weimer, PWLF, Director  
Public Works and Development Department

Arapahoe County  
Public Works and Development Department  
6924 South Lima Street  
Centennial, Colorado 80112

Ph No: (720) 874-6500  
Fax No: (720) 874-6611  
e-mail: BWeimer@arapahoegov.com

Begin forwarded message:

**From:** Kirsten Miller <fosskirsten@yahoo.com>  
**Date:** September 24, 2023 at 8:46:46 AM MDT  
**To:** Commissioners <Commissioners@arapahoegov.com>, Carrie Warren-Gully <CWarrenGully@arapahoegov.com>, Jeff Baker <JBaker@arapahoegov.com>, "Bill L. Holen" <BHolen@arapahoegov.com>, Jessica Campbell-Swanson <JCampbell-Swanson@arapahoegov.com>, Katherine Smith <KSmith@arapahoegov.com>, Bryan Weimer <BWeimer@arapahoegov.com>, Leslie Summey <LSummey@arapahoegov.com>, Michelle Halstead <MHalstead@arapahoegov.com>  
**Cc:** Kirsten Miller <fosskirsten@yahoo.com>

**Subject: CASE NO. LDC23-003 – OIL AND GAS LAND DEVELOPMENT CODE AMENDMENT: Comments in advance of Oct 10 hearing**

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe County Commissioners:

I'm a fellow civil servant, mom to two young children, voter and taxpayer in Arapahoe County, and my family and I live less than 2 miles from where you are considering regulations that will regulate proposed oil and gas sites that will affect the air that we breathe.

**The proposed oil and gas regulations will affect our Arapahoe County community directly as they control the pollution that our community is exposed to.** I urge you to improve upon the draft regulations to protect our community from the negative impacts of local oil and gas production. While attending both sessions hosted by the Planning Commission to consider the draft regulations, I heard that you wanted to have the strongest protections in that State for your constituents; based the draft regulations, **I am not seeing that.** The 2018 Arapahoe County Comprehensive Plan's set goal to "Reduce the Loss of Life, Health and Property Due to Risks Posed by Natural and Human-caused Hazards"—**your regulations stand in direct opposition to that goal.**

A huge omission in draft regulations is protecting and measuring air quality as a result of the proposed oil and gas operations. Air monitoring is missing entirely in Arapahoe County's plans and regulations, and the Colorado Department of Public Health and Environment does not address this either. It needs to be added.

The draft regulations have definitive loopholes for less than 2,000 foot downgradient setbacks that need to be amended, especially considering the density of our County's

housing and the very real risk of wildfire that could decimate our community due to these limited setbacks.

Please review these examples from our county's actual regulations that need to be amended because they allow for loopholes for placing oil and gas too close to where there is negative impact to Arapahoe County constituents:

- There is a proposed amendment to add Cryptocurrency Data Mining to the Permitted Uses Table 3-2.1 to allow this as an accessory use to an existing oil and gas facility. This proposal makes money for selected oil and gas operators while ignoring negative health impact due to air pollution to the affected public, who receives no monetary benefit from the expense of having their air polluted. **Your Arapahoe County constituents deserve better.**

- Setbacks Section 2.d. iii (p. 13 of SUBJECT: CASE NO. LDC23-003 – OIL AND GAS LAND DEVELOPMENT CODE AMENDMENT) allows for setbacks to be reduced to 500 feet with approval; **the water reservoir setbacks instead need to be at least one mile from existing/ planned water reservoirs.**

- **Setbacks Section 2C (again, on page 13) allows for 150 foot reverse setbacks in plugged and abandoned oil and gas wells, as well as 250 feet of setbacks from existing wells—this needs to be amended to increase the distance to a mile.**

- **Setbacks Section 2b (p. 12) allows for owners and the fire district to agree to a setback of 500 feet or less. This lacks protection from the public, and standards for quasi-judicial review.**

- According to a research publication called "Potential hazards of air pollutant emissions from unconventional oil and natural gas operations on the respiratory health of children and infants" published in "Environmental Health", it states, "We recommend that at a minimum, one-mile setbacks should be established between drilling facilities and occupied dwellings such as schools, hospitals, and other dwellings where infants and children might spend a substantial amount of time." Therefore, it is reasonable and necessary to deny the proposed amendment to allow potential 150-foot setbacks.

- According to a scientific study on Unconventional Oil and Gas Development Exposure and Risk of Childhood Acute Lymphoblastic Leukemia: A Case–Control Study in Pennsylvania, 2009–2017, at a distance of 6,561 feet, "Children between the ages of two and seven living near gas wells in four heavily fracked counties of southwestern Pennsylvania are two to three times more likely to be diagnosed with acute lymphoblastic leukemia." **It is extremely dangerous to our county constituents' health to plan for this oil and gas development.**

- On page 14, Visual mitigation requirements only allow for required visual mitigation for those "Well pads within 1,320 feet of a property line with an occupied structure— **because our current stance is 2,000 feet, this regulation doesn't hold the operator responsible for hiding the well pads. Simply put, our County is going to be ugly.**

· Section 10 (p. 178) defines the maximum permissible noise level as comparable to a conversation, at 60-65 decibels, and then section 10C proceeds to allow loopholes around it for waivers. This needs to be tightened significantly to prevent hearing loss through prolonged exposure. **Again, simply put, our County is going to be loud.**

**Again, I urge Arapahoe County Commissioners to strengthen these draft regulations from the oil and gas loopholes that make our community weak in protecting health, environment, wildlife and climate.**

Thank you,

**Kirsten Miller**

**From:** [Lewis Finkelstein \(lfinkelstein@aol.com\) Sent You a Personal Message](mailto:lfinkelstein@aol.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Tuesday, September 12, 2023 7:48:52 AM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
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6. Explicitly prohibit the practice of flaring gas to produce cryptocurrency. Cryptomining is energy intensive, and it produces large amounts of electronic waste, which present environmental risks to air and water. The pollution from this industry will remain local, but jobs and benefits to communities are slim as all work is virtual.

Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Lewis Finkelstein  
7212 S Valleyhead Ct  
Aurora, CO 80016  
[lfinkelstein@aol.com](mailto:lfinkelstein@aol.com)  
(516) 510-3475

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**From:** [Lynda Balas \(godogsit@yahoo.com\) Sent You a Personal Message](mailto:Lynda.Balas@godogsit@yahoo.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Tuesday, September 12, 2023 9:45:02 AM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Lynda Balas  
3940 S. Dexter Street  
Englewood, CO 80113  
[godogsit@yahoo.com](mailto:godogsit@yahoo.com)  
(303) 594-3602

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**From:** [Linda Silkes \(ljsilkes@gmail.com\) Sent You a Personal Message](mailto:ljsilkes@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Tuesday, September 12, 2023 7:44:27 AM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Linda Silkes  
27202 E Ontario Pl  
Aurora, CO 80016  
[ljsilkes@gmail.com](mailto:ljsilkes@gmail.com)  
(303) 870-8858

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**From:** [lisa bonney \(lisamb2022@yahoo.com\) Sent You a Personal Message](mailto:lisa_bonney@lisamb2022@yahoo.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Friday, September 15, 2023 3:14:49 PM

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

Do not go backwards. Please strengthen the regulations and make a positive stand.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

lisa bonney  
217 Pennsylvania st  
fort collins, CO 80521  
[lisamb2022@yahoo.com](mailto:lisamb2022@yahoo.com)

(970) 617-7418

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**From:** [Lisa Humphries \(lisajumphries@gmail.com\) Sent You a Personal Message](mailto:lisahumphries@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Sunday, September 10, 2023 2:56:22 PM

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

My son and I have a genetic mutation that makes us more likely to get cancer. We are both survivors already. Please pass these regulations to keep our air and water clean.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Lisa Humphries  
27566 E Elmhurst Pl  
Aurora, CO 80016

lisajhumphries@gmail.com  
(303) 905-6211

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Lisa Kvietok \(lkvietok@comcast.net\) Sent You a Personal Message](mailto:lkvietok@comcast.net)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 9:08:21 AM

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

Please look at stronger health and safety regulations! These regulations seem like the bare minimum that should be in place to protect citizens.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
2. Establish a setback distance of at least one mile, without variances allowed, from both occupied structures and residential areas/zones. This is the same setback distance being proposed for reservoirs, which should also not have variances allowed; protections for the safety of residents should be at least on par with protections for drinking water reservoir safety.
3. Eliminate provisions allowing setback distances to be reduced to 500 feet by owner consent agreements. Such provisions simply allow oil and gas applicants to negotiate with developers and owners to reduce setback distances-irrespective of the safety and health impacts to the general public.
4. Develop regulations to prevent fires in wildlands adjacent to residential and urban areas. This can be accomplished by authorizing the Office of Emergency Management to identify portions of such wildlands which pose risks of fire spread, and by disallowing oil and gas facilities from being located within them.
5. Disallow oil and gas companies from being able to request exemption from conducting neighborhood meetings with residents living within one mile of their proposed plan. Companies must engage with and solicit input from residents most impacted by oil and gas development plans.
6. Explicitly prohibit the practice of flaring gas to produce cryptocurrency. Cryptomining is energy intensive, and it produces large amounts of electronic waste, which present environmental risks to air and water. The pollution from this industry will remain local, but jobs and benefits to communities are slim as all work is virtual.

Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Lisa Kvietok  
24965 East Roxbury Place  
Aurora, CO 80016

lkvietok@comcast.net  
(303) 907-7019

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Lisha Doucet \(lisha\\_doucet@hotmail.com\) Sent You a Personal Message](mailto:lisha_doucet@hotmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Thursday, September 7, 2023 6:45:25 PM

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
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6. Explicitly prohibit the practice of flaring gas to produce cryptocurrency. Cryptomining is energy intensive, and it produces large amounts of electronic waste, which present environmental risks to air and water. The pollution from this industry will remain local, but jobs and benefits to communities are slim as all work is virtual.

Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Lisha Doucet  
8525 Citation Dr  
Wellington, CO 80549  
[lisha\\_doucet@hotmail.com](mailto:lisha_doucet@hotmail.com)  
(281) 389-5339

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**From:** [Lori Christensen \(cocolori7@yahoo.com\)](mailto:cocolori7@yahoo.com) Sent You a Personal Message  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 11:44:13 PM

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Lori Christensen  
7376 s white crow way  
Aurora, CO 80016  
[cocolori7@yahoo.com](mailto:cocolori7@yahoo.com)  
(609) 668-6166

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Lori Gray \(launicorn19@hotmail.com\) Sent You a Personal Message](mailto:launicorn19@hotmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 4:38:29 PM

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

I am very concerned about oil and gas development and the negative impact on our communities. The air quality in our communities is already bad and impacts us as we recreate outdoors. This negatively impacts our health. Please do what's best for the community not oil and gas developers. There isn't a meaningful way for residents to provide comments that are taken seriously.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Lori Gray

8188, S Yantley Court  
Aurora, CO 80016  
launicorn19@hotmail.com  
(720) 312-1323

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Lucy Donovan \(lucy021114@outlook.com\) Sent You a Personal Message](mailto:lucy021114@outlook.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 3:06:24 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Lucy Donovan  
7244 S Kellerman Way  
Aurora, CO 80016  
[lucy021114@outlook.com](mailto:lucy021114@outlook.com)  
(303) 917-8218

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Lynda Balas \(godogsit@yahoo.com\) Sent You a Personal Message](mailto:Lynda.Balas@godogsit@yahoo.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Tuesday, September 12, 2023 9:45:02 AM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Lynda Balas  
3940 S. Dexter Street  
Englewood, CO 80113  
[godogsit@yahoo.com](mailto:godogsit@yahoo.com)  
(303) 594-3602

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Maisoon Naser \(treomommy@yahoo.com\) Sent You a Personal Message](mailto:treomommy@yahoo.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Sunday, September 10, 2023 3:41:46 AM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Maisoon Naser  
5945 S Kellerman Ct  
Aurora, CO 80016  
[treomommy@yahoo.com](mailto:treomommy@yahoo.com)  
(804) 536-2089

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Margaret Barbosa \(margaretclairebarbosa@gmail.com\)](mailto:margaretclairebarbosa@gmail.com) Sent You a Personal Message  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Wednesday, September 6, 2023 10:50:34 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Margaret Barbosa  
2317 Ivy Street  
Denver, CO 80207  
[margaretclairebarbosa@gmail.com](mailto:margaretclairebarbosa@gmail.com)  
(310) 492-3779

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Margaret Myers \(margiemyers425@msn.com\) Sent You a Personal Message](mailto:margiemyers425@msn.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Wednesday, September 20, 2023 10:29:11 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Margaret Myers  
24391 E Alamo Drive  
Aurora, CO 80016  
[margiemyers425@msn.com](mailto:margiemyers425@msn.com)  
(909) 633-2378

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Margaret Singh \(thedragonse@att.net\) Sent You a Personal Message](mailto:thedragonse@att.net)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Friday, September 8, 2023 8:36:34 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Margaret Singh  
16427 Avalanche Run, Broomfield, CO, USA  
Broomfield, CO 80023  
[thedragonse@att.net](mailto:thedragonse@att.net)  
(425) 677-4019

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Marietta Vargas \(mariettavargas2012@gmail.com\) Sent You a Personal Message](mailto:mariettavargas2012@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 5:58:07 PM

---

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

We do not want fracking near our home.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Marietta Vargas  
27800 E Lakeview Dr  
Aurora, CO 80016  
[mariettavargas2012@gmail.com](mailto:mariettavargas2012@gmail.com)

(720) 233-9744

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**From:** [MARILYN HANSEN \(marilynh23@gmail.com\) Sent You a Personal Message](mailto:marilynh23@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Thursday, September 21, 2023 2:57:37 PM

---

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
2. Establish a setback distance of at least one mile, without variances allowed, from both occupied structures and residential areas/zones. This is the same setback distance being proposed for reservoirs, which should also not have variances allowed; protections for the safety of residents should be at least on par with protections for drinking water reservoir safety.
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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

MARILYN HANSEN  
2255 W. Davies Avenue  
MARILYN, CO 80120  
[marilynh23@gmail.com](mailto:marilynh23@gmail.com)  
(303) 795-7458

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Marina Mourzina \(marinatan@gmail.com\) Sent You a Personal Message](mailto:marinatan@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Sunday, September 10, 2023 7:40:35 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Marina Mourzina  
7261 S valleyhead ct  
Aurora, CO 80016  
[marinatan@gmail.com](mailto:marinatan@gmail.com)  
(720) 217-4917

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [MARILYN HANSEN \(marilynh23@gmail.com\) Sent You a Personal Message](mailto:marilynh23@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Thursday, September 21, 2023 2:57:37 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

MARILYN HANSEN  
2255 W. Davies Avenue  
MARILYN, CO 80120  
[marilynh23@gmail.com](mailto:marilynh23@gmail.com)  
(303) 795-7458

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Mark Kamin \(markgkamin@gmail.com\) Sent You a Personal Message](mailto:markgkamin@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Sunday, September 10, 2023 11:21:30 AM

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Dear Arapahoe Commissioners,

Please follow your duty to protect our health, safety and welfare and the environment for us and future generations. We and our families are depending on you to do this important work.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Mark Kamin  
27235 E Lakeview Pl  
Aurora, CO 80016

markgkamin@gmail.com  
(248) 797-5975

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Marla Berkheim \(mjoberk@gmail.com\) Sent You a Personal Message](mailto:mjoberk@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Friday, September 8, 2023 4:12:48 PM

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Dear Arapahoe Commissioners,

Please put in as many safety measures as possible. My kids deserve to have clean air and safe water, as do we all!

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Marla Berkheim  
7330 so shady grove way  
Aurora, CO 80016  
[mjoberk@gmail.com](mailto:mjoberk@gmail.com)

(720) 227-3682

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Marsha Kamin \(marshakamin@comcast.net\)](mailto:marshakamin@comcast.net) Sent You a Personal Message  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Monday, September 11, 2023 4:40:36 PM

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Dear Arapahoe Commissioners,

Now is your opportunity to strengthen the Arapahoe County regulations on Oil and Gas. You have the power to make these the best and strongest OandG rules in the state, if not the country. I live in Arapahoe County, nearby the Lowry Ranch CAP that is currently before the ECOM for review. The State looks to the local government authority to set their local rules to enforce. Before this CAP comes before you for review, set rules without loopholes, waivers, exceptions, that put protecting your constituents as the number one priority - which is your job. These revisions being reviewed on 10/10 are not taking our safety into consideration at all, per the latest scientific studies that show proximity of residents to mega wells, can cause harm to public health. Our suggested changes are outlined below. Please take them seriously.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Marsha Kamin  
27235 E Lakeview Pl  
Aurora, CO 80016  
marshagkamin@comcast.net  
(248) 790-9507

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Matthew Grace \(mbg620@yahoo.com\) Sent You a Personal Message](mailto:mbg620@yahoo.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Monday, September 11, 2023 9:19:26 AM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Matthew Grace  
26635 E Costilla Pl  
AURORA, CO 80016  
[mbg620@yahoo.com](mailto:mbg620@yahoo.com)  
(303) 963-6088

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Maya Kurtz \(mayachristine13@gmail.com\) Sent You a Personal Message](mailto:Maya.Kurtz@mayachristine13@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Thursday, September 7, 2023 7:00:41 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Maya Kurtz  
336 Park Drive  
Glenwood Springs, CO 81601  
[mayachristine13@gmail.com](mailto:mayachristine13@gmail.com)  
(970) 230-9079

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Megan Wilder \(mhouseweart@yahoo.com\) Sent You a Personal Message](mailto:mhouseweart@yahoo.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Wednesday, September 6, 2023 5:48:19 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Megan Wilder  
100 Main  
Boulder, CO 80302  
[mhouseweart@yahoo.com](mailto:mhouseweart@yahoo.com)  
(303) 303-0000

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Michael Borghi \(michael\\_borghi@msn.com\) Sent You a Personal Message](mailto:michael_borghi@msn.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Thursday, September 21, 2023 6:55:14 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Michael Borghi  
800 S Santa Fe Ave Lot A34  
Fountain, CO 80817  
michael\_borghi@msn.com  
(719) 382-4627

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Michael ODoherty \(msodoherty@gmail.com\) Sent You a Personal Message](mailto:msodoherty@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Sunday, September 10, 2023 5:50:00 AM

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Dear Arapahoe Commissioners,

As a homeowner and resident of Aurora, I am quite concerned that energy development is still focused on extracting every drop of fossil fuel instead of moving forward with renewable energy. Fracking not only endangers our water supply and potentially lowers our property values, it also continues to inhibit development of new clean energy solutions. Only when we can move away from polluting our world can we develop sources that will ensure power for future generations without continuing to unnecessarily pollute our world. Until we can as a society stop pursuing fossil fuels, I urge you to support the increased regulations detailed in this letter to at least lessen the potential harm that fracking can and will do.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
2. Establish a setback distance of at least one mile, without variances allowed, from both occupied structures and residential areas/zones. This is the same setback distance being proposed for reservoirs, which should also not have variances allowed; protections for the safety of residents should be at least on par with protections for drinking water reservoir safety.
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4. Develop regulations to prevent fires in wildlands adjacent to residential and urban areas. This can be accomplished by authorizing the Office of Emergency Management to identify portions of such wildlands which pose risks of fire spread, and by disallowing oil and gas facilities from being located within them.
5. Disallow oil and gas companies from being able to request exemption from conducting neighborhood meetings with residents living within one mile of their proposed plan. Companies must engage with and solicit input from residents most impacted by oil and gas development plans.
6. Explicitly prohibit the practice of flaring gas to produce cryptocurrency. Cryptomining is energy intensive, and it produces large amounts of electronic waste, which present environmental risks to air and water. The pollution from this industry will remain local, but jobs and benefits to communities are slim as all work is virtual.

Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Michael ODoherty  
6911 S. Robertsdale Ct.  
Aurora, CO 80016  
msodoherty@gmail.com  
(760) 759-0662

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Michelle Freitas \(mmurgatroy@gmail.com\) Sent You a Personal Message](mailto:mmurgatroy@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Sunday, September 10, 2023 9:53:00 PM

---

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

This is my neighborhood and I don't want this anywhere near my home.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Michelle Freitas  
26803 E Easter Pl  
Aurora, CO 80016  
[mmurgatroy@gmail.com](mailto:mmurgatroy@gmail.com)

(561) 839-0760

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Mike Gilligan \(gillmik@man.com\) Sent You a Personal Message](mailto:gillmik@man.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 9:02:12 AM

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Dear Arapahoe Commissioners,

Keep fracking away city's and towns there is plenty of open land

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Mike Gilligan  
8007 S Addison Way  
Aurora, CO 80016  
[gillmik@man.com](mailto:gillmik@man.com)

(720) 999-3255

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Molly Manning \(molly.manning25@gmail.com\) Sent You a Personal Message](mailto:molly.manning25@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Sunday, September 10, 2023 9:16:10 AM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Molly Manning  
26824 E Quarto pl  
Aurora, CO 80016  
[molly.manning25@gmail.com](mailto:molly.manning25@gmail.com)  
(720) 220-5306

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**From:** [Moneca Dunhamm \(mountnlover@yahoo.com\) Sent You a Personal Message](mailto:mountnlover@yahoo.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Wednesday, September 6, 2023 8:07:28 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Moneca Dunhamm  
987 Lodgepole Drive  
Evergreen, CO 80439  
[mountnlover@yahoo.com](mailto:mountnlover@yahoo.com)  
(303) 761-7629

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**From:** [Nadine Ancel \(ancelnm@yahoo.com\) Sent You a Personal Message](mailto:ancelnm@yahoo.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Friday, September 8, 2023 11:59:55 AM

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Dear Arapahoe Commissioners,

No amount of potential profits is worth any amount of harm to human life, wildlife or the environment.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Nadine Ancel  
358 W. Los Ranchitos Dr.  
DURANGO, CO 81301  
[ancelnm@yahoo.com](mailto:ancelnm@yahoo.com)

(970) 375-1170

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**From:** [Nancy Hartman \(ng3hart@yahoo.com\) Sent You a Personal Message](mailto:ng3hart@yahoo.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Thursday, September 7, 2023 9:30:01 AM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Nancy Hartman  
2514 Evans Ave  
Louisville, CO 80027  
[ng3hart@yahoo.com](mailto:ng3hart@yahoo.com)  
(303) 666-7543

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Oliver Smith \(77ravens@gmail.com\) Sent You a Personal Message](mailto:77ravens@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Wednesday, September 6, 2023 5:17:57 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Oliver Smith  
634 2nd Avenue  
Lyons, CO 80540  
[77ravens@gmail.com](mailto:77ravens@gmail.com)  
(509) 499-7382

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Paul Conover \(gary1gc@yahoo.com\) Sent You a Personal Message](mailto:gary1gc@yahoo.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 3:00:21 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Paul Conover  
15 South Weber Street, Suite C  
Colorado Springs, CO 80903  
[gary1gc@yahoo.com](mailto:gary1gc@yahoo.com)  
(719) 377-3222

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [R.F.\(ray5star@yahoo.co.jp\)](mailto:R.F.(ray5star@yahoo.co.jp)) Sent You a Personal Message  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Wednesday, September 6, 2023 11:53:37 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

R F  
1437 w. Mountain  
Fort Collins, CO 80521  
[ray5star@yahoo.co.jp](mailto:ray5star@yahoo.co.jp)  
(303) 456-7890

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Rachel Markowitz \(raquelitabraver@gmail.com\) Sent You a Personal Message](mailto:raquelitabraver@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Wednesday, September 6, 2023 9:58:40 PM

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Dear Arapahoe Commissioners,

I want Arapahoe County to do right...and do right now!

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Rachel Markowitz  
7113 S. Uriah St.  
Aurora, CO 80016  
[raquelitabraver@gmail.com](mailto:raquelitabraver@gmail.com)

(323) 867-7178

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Randall Willard \(rjw41x@gmail.com\) Sent You a Personal Message](mailto:rjw41x@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Thursday, September 7, 2023 5:20:56 PM

---

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

Now is the time for firm, serious action on the climate and these regulations will play a big part in our attack on climate change. Please do your part to help save the planet.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
2. Establish a setback distance of at least one mile, without variances allowed, from both occupied structures and residential areas/zones. This is the same setback distance being proposed for reservoirs, which should also not have variances allowed; protections for the safety of residents should be at least on par with protections for drinking water reservoir safety.
3. Eliminate provisions allowing setback distances to be reduced to 500 feet by owner consent agreements. Such provisions simply allow oil and gas applicants to negotiate with developers and owners to reduce setback distances-irrespective of the safety and health impacts to the general public.
4. Develop regulations to prevent fires in wildlands adjacent to residential and urban areas. This can be accomplished by authorizing the Office of Emergency Management to identify portions of such wildlands which pose risks of fire spread, and by disallowing oil and gas facilities from being located within them.
5. Disallow oil and gas companies from being able to request exemption from conducting neighborhood meetings with residents living within one mile of their proposed plan. Companies must engage with and solicit input from residents most impacted by oil and gas development plans.
6. Explicitly prohibit the practice of flaring gas to produce cryptocurrency. Cryptomining is energy intensive, and it produces large amounts of electronic waste, which present environmental risks to air and water. The pollution from this industry will remain local, but jobs and benefits to communities are slim as all work is virtual.

Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Randall Willard  
5206 S Haleyville Way  
AURORA, CO 80016

tjw41x@gmail.com  
(303) 690-6340

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Rawson Mathes \(bellamathes@gmail.com\) Sent You a Personal Message](mailto:bellamathes@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Thursday, September 7, 2023 8:15:51 AM

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

Prioritize the future of our earth. Prioritize your children and your grandchildren having access to the natural beauty of Colorado. Prioritize clean air. Nothing matters here on earth without clean air and water. This needs to be a top priority, not solutions that destroy our planet. I have family in Louisiana who are already underwater. Let's not make the same mistakes and act now.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Rawson Mathes

1331 Gaylord St #201  
Denver, CO 80206  
bellamathes@gmail.com  
(843) 901-0244

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Rebecca Farmer \(rebecca\\_0927@yahoo.com\) Sent You a Personal Message](mailto:rebecca_0927@yahoo.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Friday, September 8, 2023 2:08:01 PM

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Dear Arapahoe Commissioners,

I've lived in Southshore for almost 20 years! This is our dream community. We've watched it grow. We'll now be forced to watch it be destroyed if regulations aren't changed and strengthened to protect life, children, the environment and our water resources ? please vote to protect your communities that you say you represent and pass these stronger regulations for me and my community members or watch us all leave and SE Aurora turn into a ghost town. Nobody wants to sacrifice their health and well-being! Thank you

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Rebecca Farmer  
26931 East Roxbury pl, Aurora CO 80016  
Aurora, CO 80016  
rebecca\_0927@yahoo.com  
(303) 995-2878

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Renee Ostrowski \(girlrna@gmail.com\) Sent You a Personal Message](mailto:Renee.Ostrowski@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 8:52:57 AM

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

We, the people, need to have strict protections from the pollution that fracking creates. Who's the genius who allowed fracking next to the public city water supply?

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Renee Ostrowski  
5283 South Lisbon way  
Centennial, CO 80015

girlrna@gmail.com  
(303) 332-9809

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [ronda horner \(rhl1234@aol.com\) Sent You a Personal Message](mailto:rhl1234@aol.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Sunday, September 10, 2023 7:29:41 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

ronda horner  
6979 S Elk Ct  
aurora, CO 80016  
[rhl1234@aol.com](mailto:rhl1234@aol.com)  
(303) 690-2334

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [richard crane \(richard.p.crane@gmail.com\) Sent You a Personal Message](mailto:richard.p.crane@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Thursday, September 7, 2023 5:43:07 AM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

richard crane  
107 elk drive  
evergreen, CO 80439  
[richard.p.crane@gmail.com](mailto:richard.p.crane@gmail.com)  
(720) 439-1791

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**From:** [Robert Lucchesi \(rmljr22@gmail.com\) Sent You a Personal Message](mailto:rmljr22@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Sunday, September 17, 2023 8:18:22 AM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Robert Lucchesi  
27398 E Ottawa Ave  
Aurora, CO 80016  
[rmljr22@gmail.com](mailto:rmljr22@gmail.com)  
(720) 633-6485

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Roberta Bishop \(ehbis@aol.com\) Sent You a Personal Message](mailto:ehbis@aol.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Thursday, September 7, 2023 5:29:02 AM

---

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Roberta Bishop  
167 Del Mar circle  
Aurora, CO 80011  
[ehbis@aol.com](mailto:ehbis@aol.com)  
(303) 344-0483

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Robin Davis \(robinscribbles@gmail.com\) Sent You a Personal Message](mailto:robinscribbles@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Wednesday, September 6, 2023 7:49:23 PM

---

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Dear Arapahoe Commissioners,

Solutions with loopholes undermine goals.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Robin Davis  
PO BOX 1045  
South Fork, CO 81154  
[robinscribbles@gmail.com](mailto:robinscribbles@gmail.com)

(719) 676-5500

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [RODNEY PADILLA \(rdpadi@hotmail.com\) Sent You a Personal Message](mailto:rdpadi@hotmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Monday, September 11, 2023 2:16:37 PM

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

Do NOT frack east of Aurora Reservoir!!! The changes to the regulations are NOT sufficiently protective!!

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

RODNEY PADILLA  
6003 S. LITTLE RIVER WAY  
AURORA, CO 80016  
[rdpadi@hotmail.com](mailto:rdpadi@hotmail.com)

(720) 427-0702

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Ruby Frederick \(skylinepigeonus@yahoo.com\) Sent You a Personal Message](mailto:skylinepigeonus@yahoo.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 8:58:24 AM

---

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

This is very important to me and my family's health and well being; not to mention what it would do to our property values which we've worked very hard for. I would hate to disturb the peaceful environment which was the reason for us moving in this area as well as protecting the nature and wildlife in the area!

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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4. Develop regulations to prevent fires in wildlands adjacent to residential and urban areas. This can be accomplished by authorizing the Office of Emergency Management to identify portions of such wildlands which pose risks of fire spread, and by disallowing oil and gas facilities from being located within them.
5. Disallow oil and gas companies from being able to request exemption from conducting neighborhood meetings with residents living within one mile of their proposed plan. Companies must engage with and solicit input from residents most impacted by oil and gas development plans.
6. Explicitly prohibit the practice of flaring gas to produce cryptocurrency. Cryptomining is energy intensive, and it produces large amounts of electronic waste, which present environmental risks to air and water. The pollution from this industry will remain local, but jobs and benefits to communities are slim as all work is virtual.

Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Ruby Frederick  
6243 S Oak Hill Ct

Aurora, CO 80016  
skylinepigeonus@yahoo.com  
(303) 522-3573

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Russell Hastings \(russ.eljefe@gmail.com\) Sent You a Personal Message](mailto:russ.eljefe@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Wednesday, September 6, 2023 9:51:29 PM

---

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

Strengthen Arapahoe County Oil and Gas Regulations now!

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
2. Establish a setback distance of at least one mile, without variances allowed, from both occupied structures and residential areas/zones. This is the same setback distance being proposed for reservoirs, which should also not have variances allowed; protections for the safety of residents should be at least on par with protections for drinking water reservoir safety.
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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Russell Hastings  
14360 Foothill Rd  
Golden, CO 80401  
[russ.eljefe@gmail.com](mailto:russ.eljefe@gmail.com)

(309) 241-1678

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Ryan Troxel \(r.troxel@yahoo.com\) Sent You a Personal Message](mailto:r.troxel@yahoo.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Wednesday, September 13, 2023 1:17:32 AM

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Ryan Troxel  
6910 S Yantley Ct  
AURORA, CO 80016  
[r.troxel@yahoo.com](mailto:r.troxel@yahoo.com)  
(775) 691-9894

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Sam Sadovnik \(sam@sadovnik.org\) Sent You a Personal Message](mailto:sam@sadovnik.org)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 7:09:39 PM

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Dear Arapahoe Commissioners,

I Vote in every single election and I take note of who has our best interest at heart.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Sam Sadovnik  
27543 E Euclid Dr  
Aurora, CO 80016  
[sam@sadovnik.org](mailto:sam@sadovnik.org)

(305) 491-9556

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Sandra Williamson \(spiritwalk35@yahoo.com\) Sent You a Personal Message](mailto:spiritwalk35@yahoo.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Wednesday, September 6, 2023 9:01:15 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Sandra Williamson  
100 S Bryan Ave Apt 6, Fort Collins, CO 80521  
Fort Collins, CO 80521  
[spiritwalk35@yahoo.com](mailto:spiritwalk35@yahoo.com)  
(970) 217-5643

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Sciba Robert \(rjsciba@msn.com\) Sent You a Personal Message](mailto:rjsciba@msn.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 12:49:51 PM

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Dear Arapahoe Commissioners,

Given builders in Colorado are dealing with issues with old wells, shows unforeseen circumstances can occur. These problems are left to the tax payers long after the oil companies have moved on. Special circumstances/regulations/considerations should apply to present and future residential areas where drilling is proposed or occurring.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Sciba Robert

6645 S Quantock Way  
Aurora, CO 80016  
rjsciba@msn.com  
(720) 202-8448

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Scott Nelson \(txclimbs@gmail.com\) Sent You a Personal Message](mailto:txclimbs@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Thursday, September 7, 2023 2:58:33 PM

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Scott Nelson  
1641 Albion str  
Denver, CO 80220  
[txclimbs@gmail.com](mailto:txclimbs@gmail.com)  
(972) 800-0069

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Selina Sinclair \(jimandselina@gmail.com\) Sent You a Personal Message](mailto:jimandselina@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 11:59:56 AM

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Dear Arapahoe Commissioners,

The population of Arapahoe county is too large to risk oil and gas problems, such as fracking sinkholes or fires.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Selina Sinclair  
25750 East Euclid Drive,  
Aurora, CO 80016  
[jimandselina@gmail.com](mailto:jimandselina@gmail.com)

(303) 907-2893

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Shannon Perry \(healthcoach214@gmail.com\) Sent You a Personal Message](mailto:Shannon.Perry@healthcoach214@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 8:44:06 AM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Shannon Perry  
26733 E Indore Ave  
Aurora, CO 80016  
[healthcoach214@gmail.com](mailto:healthcoach214@gmail.com)  
(214) 450-7240

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Sheila Stone \(sheilastone@indra.com\) Sent You a Personal Message](mailto:sheilastone@indra.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Sunday, September 10, 2023 9:06:54 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Sheila Stone  
1003 Willow Pl  
Lafayette, CO 80026  
[sheilastone@indra.com](mailto:sheilastone@indra.com)  
(303) 665-7485

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Sheri Gebicki \(sheri\\_arena@hotmail.com\) Sent You a Personal Message](mailto:sheri_arena@hotmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 11:58:27 PM

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Sheri Gebicki  
6530 S Newcastle Way  
Aurora, CO 80016  
[sheri\\_arena@hotmail.com](mailto:sheri_arena@hotmail.com)  
(303) 395-1585

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Stacie Padilla \(stacy4321@yahoo.com\) Sent You a Personal Message](mailto:stacy4321@yahoo.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Tuesday, September 12, 2023 6:08:19 AM

---

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

I do not want anymore fracking around me. I have been at the same address for 17 years and noticed a difference in our water when they drilled several years ago. Protect our water and land!

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
2. Establish a setback distance of at least one mile, without variances allowed, from both occupied structures and residential areas/zones. This is the same setback distance being proposed for reservoirs, which should also not have variances allowed; protections for the safety of residents should be at least on par with protections for drinking water reservoir safety.
3. Eliminate provisions allowing setback distances to be reduced to 500 feet by owner consent agreements. Such provisions simply allow oil and gas applicants to negotiate with developers and owners to reduce setback distances-irrespective of the safety and health impacts to the general public.
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5. Disallow oil and gas companies from being able to request exemption from conducting neighborhood meetings with residents living within one mile of their proposed plan. Companies must engage with and solicit input from residents most impacted by oil and gas development plans.
6. Explicitly prohibit the practice of flaring gas to produce cryptocurrency. Cryptomining is energy intensive, and it produces large amounts of electronic waste, which present environmental risks to air and water. The pollution from this industry will remain local, but jobs and benefits to communities are slim as all work is virtual.

Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Stacie Padilla  
6677 S Robertsdale Way  
Aurora, CO 80016

stay4321@yahoo.com  
(303) 710-9392

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Stacy Romero \(stacybrossart@gmail.com\) Sent You a Personal Message](mailto:stacybrossart@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 11:45:20 PM

---

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Arapahoe Commissioners,

I am against fracking! We live in one of the most beautiful states in the US and fracking is poisoning the ground! Don't kill Colorado!

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Stacy Romero  
6694 S Millbrook Ct  
Aurora, CO 80016

stacybrossart@gmail.com  
(719) 922-1289

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Stacey Sanders \(staceyrae3@msn.com\) Sent You a Personal Message](mailto:staceyrae3@msn.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 8:47:05 AM

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Dear Arapahoe Commissioners,

We deserve to be safe from fracking.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Stacey Sanders  
13732 E Lehigh Ave Unit F  
Aurora, CO 80014  
[staceyrae3@msn.com](mailto:staceyrae3@msn.com)

(303) 810-0865

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

Dear Arapahoe County Commissioners, et.al.,

We are writing to express our concerns about, and displeasure with, the “process” for public evaluation and input on the proposed oil and gas regulations for Arapahoe County. Since the primary requirements for County government are to protect the public health, safety and welfare of its citizens and the environment, it appears to us that the proposed regulations are contrary to this requirement and thus require additional time for review and significant improvement by the Commissioners prior to simply adopting them.

As citizens of Arapahoe County, we, our families and our children have a right to live in a clean and healthful environment. We hold the county government accountable for providing regulations that provide the appropriate protections and controls that will affect both present and future generations of Coloradans. Save the Aurora Reservoir has some members who are engineering professionals who have been reviewing scientific studies from around the country on all aspects of the proposed Oil & Gas plan for Arapahoe County. A report will be issued, separate from this letter, which we strongly suggest you consider as we approach the arbitrarily set October deadline for Phase 1 of the process. We believe you will find the facts in the report will make you pause and reconsider the proposed regulations.

Next, we really must discuss the elephant in the state - Water. As a state that has routinely suffered from droughts over the last 20+ years, we can be assured that despite our very wet spring in 2023, that the lack of rain will return soon, if not next year. To this end, it is incredibly irresponsible to ignore the requirements for water in the hydraulic fracturing process. Another study, again submitted separately, details the insatiable need for water, up to 19 million gallons per well can be expected to be used, based on industry analysis. The projected number of wells in Arapahoe county leads us to believe that billions of gallons of clean water will be used with less than 15% being recycled and returned to “regular” use. This is especially unacceptable when across the country drought continues to be a problem and as humans we require water on a daily basis to survive.

In conclusion we would like to continue this process rationally and with the rights of the citizens impacted as the focus rather than as an aside. Ultimately this **MUST NOT BE ABOUT PROFITS OVER PEOPLE** but rather doing what is best for ALL. Based on the considerable data gathered and reviewed by Save the Aurora Reservoir and supporting organizations, we believe the proposed regulations do NOT fulfill the requirements of the commissioners and their responsibilities to the citizens of Arapahoe county.

It is within your power to extend the deadline to adopt these regulations due to an abundance of new and additional evidence being presented. Taking the time to make an educated decision on these critical regulations will assure that due diligence is completed. A delay will provide additional time for scientific studies to be thoroughly evaluated and understood towards writing

and enacting regulations that serve all residents of the county, not just those within the Oil & Gas industry and its sphere of influence.

Sincerely,

Save-the-Aurora-Reservoir with the support of 350Colorado, climate movement co, Colorado Rising

**From:** [Stephanie Huntington \(stephaniehuntington@yahoo.com\) Sent You a Personal Message](mailto:stephaniehuntington@yahoo.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Thursday, September 7, 2023 1:21:21 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Stephanie Huntington  
2280 Hudson St  
Denver, CO 80207  
[stephaniehuntington@yahoo.com](mailto:stephaniehuntington@yahoo.com)  
(303) 388-6939

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Susan Ambler \(akelly4now@yahoo.com\) Sent You a Personal Message](mailto:akelly4now@yahoo.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Tuesday, September 12, 2023 11:24:47 AM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Susan Ambler  
1328 Vine St  
Denver, CO 80206  
[akelly4now@yahoo.com](mailto:akelly4now@yahoo.com)  
(303) 377-5707

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Susan Donaldson \(sdonaldson43@comcast.net\) Sent You a Personal Message](mailto:sdonaldson43@comcast.net)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Thursday, September 7, 2023 2:12:01 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety and natural world.

Thank you,

Sincerely,

Susan Donaldson  
1417 Rembrandt Road  
Susan, CO 80302  
[sdonaldson43@comcast.net](mailto:sdonaldson43@comcast.net)  
(720) 565-0252

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [susan Lewis \(doggydoc5@hotmail.com\) Sent You a Personal Message](mailto:doggydoc5@hotmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Wednesday, September 6, 2023 8:07:45 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

susan Lewis  
31819 Rocky Village Dr, Apt 113  
Evergreen, CO 80439  
[doggydoc5@hotmail.com](mailto:doggydoc5@hotmail.com)  
(720) 618-7242

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**From:** [Suzanne Ingersoll \(suzanne.ingersoll@gmail.com\) Sent You a Personal Message](mailto:suzanne.ingersoll@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 11:14:14 AM

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Dear Arapahoe Commissioners,

I say no to fracking!

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Suzanne Ingersoll  
6245 s millbrook way  
Aurora, CO 80016  
[suzanne.ingersoll@gmail.com](mailto:suzanne.ingersoll@gmail.com)

(772) 453-5829

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**From:** [Tanya Piker \(tanyapiker@hotmail.com\) Sent You a Personal Message](mailto:tanyapiker@hotmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Thursday, September 7, 2023 10:22:37 AM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Thank you,

Sincerely,

Tanya Piker  
1209 Smithland Ave  
La Junta, CO 81050  
[tanyapiker@hotmail.com](mailto:tanyapiker@hotmail.com)  
(719) 241-2110

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Teresa Phillips \(mymule52@icloud.com\)](mailto:mymule52@icloud.com) Sent You a Personal Message  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Wednesday, September 6, 2023 6:59:42 PM

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Dear Arapahoe Commissioners,

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Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Teresa Phillips  
913 Marshall St, Fort Collins CO 80525  
Fort Collins, CO 80525  
[mymule52@icloud.com](mailto:mymule52@icloud.com)  
(970) 581-9719

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**From:** [Teresa Van Fossen \(trvanfos@comcast.net\) Sent You a Personal Message](mailto:trvanfos@comcast.net)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 12:30:10 PM

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Dear Arapahoe Commissioners,

Please protect Arapahoe County's ONLY reservoir!! We need our water to be safe. Please protect our soil and air to be clean and safe for all the children in our neighborhood. Please say no to Fracking!

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

1. Add a provision that will not allow oil and gas to be permitted in areas that are in violation of federal air quality standards; such areas are already burdened by the effects of poor air quality.
2. Establish a setback distance of at least one mile, without variances allowed, from both occupied structures and residential areas/zones. This is the same setback distance being proposed for reservoirs, which should also not have variances allowed; protections for the safety of residents should be at least on par with protections for drinking water reservoir safety.
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6. Explicitly prohibit the practice of flaring gas to produce cryptocurrency. Cryptomining is energy intensive, and it produces large amounts of electronic waste, which present environmental risks to air and water. The pollution from this industry will remain local, but jobs and benefits to communities are slim as all work is virtual.

Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Teresa Van Fossen  
27402 E Euclid Dr  
Aurora, CO 80016

trvanfos@comcast.net  
(408) 440-6347

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Thomas Mellem \(mellemtom@gmail.com\) Sent You a Personal Message](mailto:mellemtom@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Sunday, September 10, 2023 9:25:45 PM

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Dear Arapahoe Commissioners,

I know that the items in this letter are not easy to put into action due mostly to the heat from industry. However, PLEASE keep in mind that the health and wellbeing of the citizens of Arapahoe should be and must be your top priority, no matter the pressure from outside influencers. Please do the right thing for us and for Colorado.

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

I believe the proposed changes to the regulations are not sufficiently protective. I urge the County to make the following changes to strengthen them in this Phase One of oil and gas revisions:

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Thomas Mellem  
4491 WEST LAKE CIRCLE NORTH

LITTLETON, CO 80123  
mellemtom@gmail.com  
(303) 347-1048

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Thomas Wilson \(tgwmaestro@gmail.com\) Sent You a Personal Message](mailto:tgwmaestro@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Thursday, September 7, 2023 2:51:35 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Thomas Wilson  
113 Via San Miguel  
Manitou Springs, CO 80829  
[tgwmaestro@gmail.com](mailto:tgwmaestro@gmail.com)  
(719) 633-3449

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Timber WhisperWood \(vixenofthewillows@gmail.com\) Sent You a Personal Message](mailto:vixenofthewillows@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Wednesday, September 6, 2023 5:35:47 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Timber WhisperWood  
3000 Ross dr.  
Fort Collins, CO 80526  
[vixenofthewillows@gmail.com](mailto:vixenofthewillows@gmail.com)  
(970) 214-4083

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [tom stiles \(tomstiles@gmail.com\) Sent You a Personal Message](mailto:tomstiles@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Wednesday, September 6, 2023 5:26:51 PM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

tom stiles  
1150 Primrose Lane  
Fruita, CO 81521  
[tomstiles@gmail.com](mailto:tomstiles@gmail.com)  
(970) 923-0745

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Vinod Fernandez \(vinmark@gmail.com\) Sent You a Personal Message](mailto:vinmark@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Monday, September 11, 2023 10:20:15 AM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Vinod Fernandez  
23891 East ontario place  
Aurora, CO 80016  
[vinmark@gmail.com](mailto:vinmark@gmail.com)  
(518) 491-4733

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Wendy Schroeder \(wendy.schroeder@gmail.com\) Sent You a Personal Message](mailto:wendy.schroeder@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Wednesday, September 6, 2023 6:00:28 PM

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Dear Arapahoe Commissioners,

We need a clean, healthy environment

Dear Arapahoe County Commissioners and Staff,

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Wendy Schroeder  
1599 Williams St, Apt 709  
Denver, CO 80218  
[wendy.schroeder@gmail.com](mailto:wendy.schroeder@gmail.com)

(720) 397-1869

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.

**From:** [Young Kim \(young.h.kim74@gmail.com\) Sent You a Personal Message](mailto:young.h.kim74@gmail.com)  
**To:** [Bryan Weimer](#)  
**Subject:** Strengthen Arapahoe County Oil and Gas Regulations  
**Date:** Saturday, September 9, 2023 9:30:26 AM

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Dear Arapahoe Commissioners,

Dear Arapahoe County Commissioners and Staff,

Thank you for working to strengthen the County's oil and gas regulations to be in greater alignment with its required duty to protect the public health, safety, welfare, and the environment.

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Please consider these revisions; they will result in greater protections for our health, safety, and natural world.

Thank you,

Sincerely,

Young Kim  
7238 s scottsburg way  
Aurora, CO 80016  
[young.h.kim74@gmail.com](mailto:young.h.kim74@gmail.com)  
(703) 915-3664

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at [member.care@sierraclub.org](mailto:member.care@sierraclub.org) or (415) 977-5673.