



Suncor & Oil and Gas Update

City Council Meeting, January 8, 2024
Dr. Rosemarie Russo

Date	Media	Location	Description	Permit Limit	Violation	Community Monitor
	Air		WAITING ON DATA			The Commerce City North Denver Air Monitoring network of sensors within a three-mile radius of the refinery did not detect any levels above the acute health reference guidelines during this event.
	Air					

CDPHE Environmental Justice 2024 Bill

- Hire refinery expertise for enhanced monitoring and root cause analysis;
- E3 staff expressed concern with the timeliness and content of air pollution notifications;
- E3 requested improved communications particularly about health impacts.

GEMMs Update

- CDPHE requested C3 participation in the approved trading program that Suncor expressed an intent to participate in to comply with air pollution reduction regulations;



Oil and Gas Update



Deep Geothermal Rule-Making

ECMC published a concept paper regarding the rule-making and is soliciting input from local governments;

ECMC will not issue an operations permit for DGO unless the DG Operator has either applied for a siting permit with the Local Government in whose jurisdiction the project is located or the Local Government does not regulate siting of DGO.

ASK: Whether to require DG Operators to provide pre-application notification to Relevant Local and Proximate Governments that the DG Operator plans to submit a DGOP.

Deep Geothermal Rule-Making

ASK: Whether to require DG Operators to provide pre-application notification to require DG Operators to provide pre-DGOP notification to those Surface Owners and Building Unit owners, residents, and tenants within a specified distance.

ASK: Whether to require or allow interagency consultations before the completeness determination on a DGOP.

Disproportionately Impacted (“DI”) Communities Analysis

- (1) Whether to include different criteria depending on how close a DGO project will be to DI Communities;
- (2) Whether to include end-use benefits to DICs (e.g., will the project provide reduced-cost energy to the DI Communities or other benefits to DI or other local communities which may outweigh the potential impacts).
- (3) Approaches on how to be flexible to accommodate the needs of specific DI Communities and specific DGO projects.

Geothermal Risk

- Geothermal (Low)
- Deep Geothermal
 - Closed Loop (Medium)
 - Dry Rock (Medium)
 - Open Loop (Medium to High)
 - Fracturing; abandoned oil and gas wells

New Deep Geothermal Operating Permit Form 2

- Deepen any existing well;
- Convert an existing wells (e.g., currently permitted oil and gas wells, stratigraphic wells, injection wells, etc.) to geothermal;
- Re-enter, complete, and operate any plugged well;
- Recomplete and operate an existing well;
- Drill a sidetrack from any existing well

Current Colorado Operators

- Geothermal Technologies is piloting a project in Greely;
- Pilot will generate 5 MW;
- Closed loop system that does not involve fracking;
- The heat is obtained from below the drinking water;
- The Denver Julesburg Basin has heat in the 225- 250-degree temperatures which is desirable.

Form 2 and 2A Updates

- LGC submitted a letter to ECMC regarding forms filed pre-mission change;
- Mission Change – required protection of human health and the environment;
- Issue: Form 2 are being processed administratively with limited ability for local governments to provide updated population information.



Thank you!

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