



Environmental Planning and Policy Update / Oil and Gas Update

City Council Meeting December 2021



Oil and Gas Update



City Oil & Gas Permit Applications

- Five applications are currently deemed complete and being processed by the city
- Eight Oil and Gas Permits had previously been submitted and deemed complete by the city – all by Extraction
- One application (Condor) does not currently have complete information to begin processing
- Two applications (Harlo and Anteater)

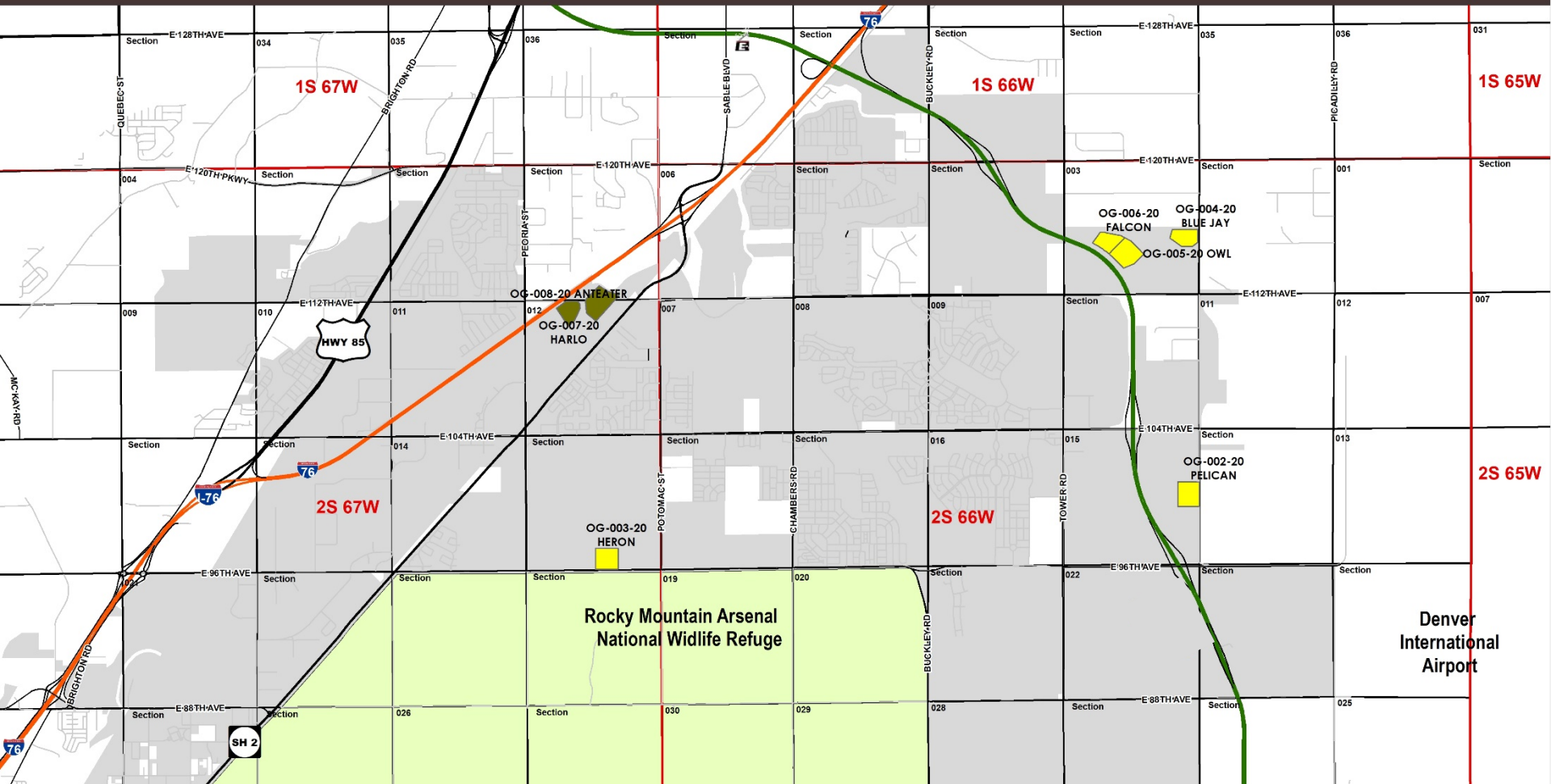
Site Name	Case Number	Operator	Council Action Required	Well Count
Pelican	OG-002-19	Extraction Oil and Gas	Conditional Use Permit	28
Heron	OG-003-19	Extraction Oil and Gas	Conditional Use Permit	24
Blue Jay	OG-004-19	Extraction Oil and Gas	Rezoning	18
Owl	OG-005-19	Extraction Oil and Gas	Rezoning	18
Falcon	OG-006-19	Extraction Oil and Gas	Rezoning	18

City Oil and Gas Permits

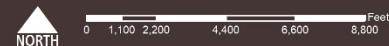


Submitted City Permits

Active as of 10/22/2020



- Approved
- Under Review
- City Limit Boundaries
- Denied
- Withdrawn
- local streets



State Permit Applications

- No remaining 2a applications

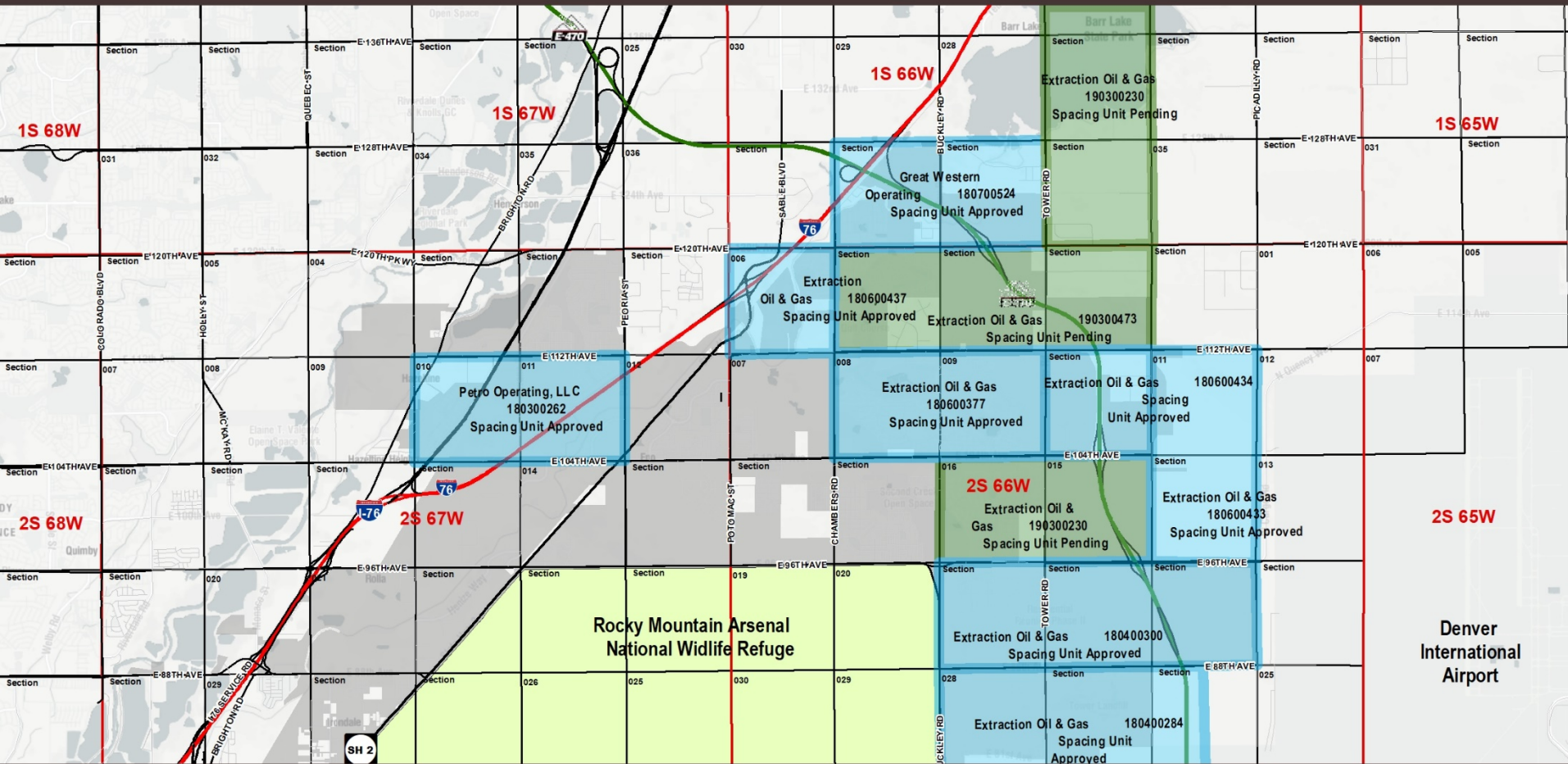


Map of COGCC Activity



Applications to the COGCC Within CommerCe City Boundaries

Active as of 9/10/2021



Status of State Applications

- Spacing Unit Approved
- Spacing Unit Pending
- City Limit Boundaries
- Pending Form 2A
- Approved Form 2A



*This map represents all pending Form 2A applications, and spacing applications that have been submitted by Oil & Gas operators to the COGCC. Approval of a spacing unit by the COGCC does not constitute the ability to drill, unless Form 2's and 2a's within that section are also approved, and a city permit has been issued.



Environmental Update

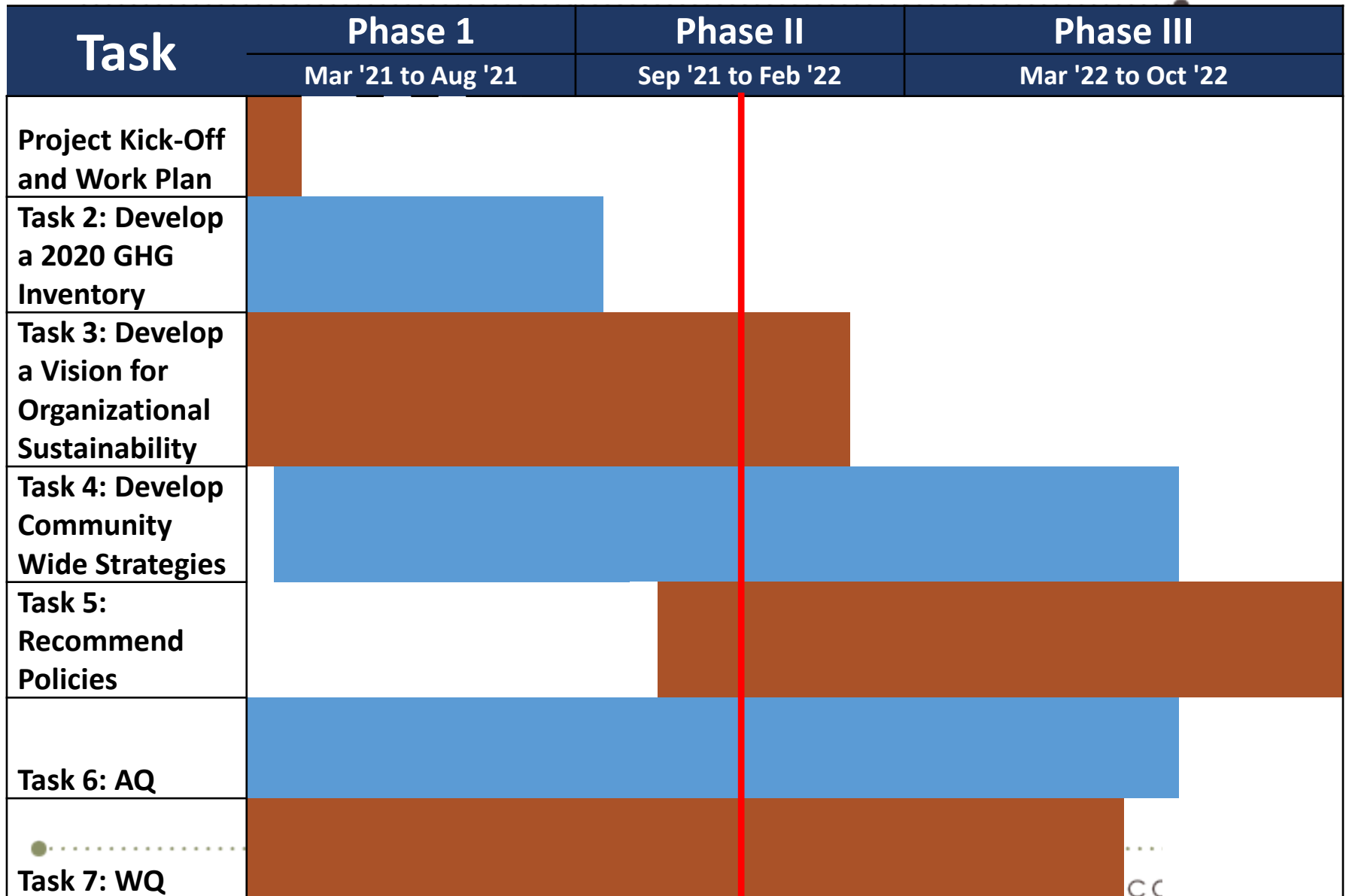


Policy Development Update

- City Organizational Sustainability Survey
 - Draft memo under review
- Environmental Policy Advisory Committee
 - New committee member appointed, November 15
 - One member and two alternate positions vacant
 - Pause on meetings continued until new planner hired
 - Resources and information sent to EPAC members November 5 and November 19
- Air Quality Monitoring Plan in development
 - Revisions in progress
 - To include comprehensive ideas for AQ monitoring around the City
- Low Impact Development (LID)
 - Guidance document in development



Timeline - Policy Development



CDPHE Information on Suncor

- 18 exceedances by Suncor since last update (Oct. 22 – Nov. 22)
 - 10/26: Exceedance of Opacity limit of 20% (6-min average)
 - Max reported value of 77%, occurred at west plant
 - Occurred due to fluid catalytic cracking unit (FCCU) tripped
 - 10/26: Exceedance of Opacity limit of 20% (3-hr average)
 - Max reported value of 33%, occurred at west plant
 - Occurred due to fluid catalytic cracking unit (FCCU) tripped
 - 10/26: Exceedance of Carbon Monoxide (CO) limit of 500 ppm at 0% (1-hr average)
 - Max reported value of 2,030 ppm, occurred at west plant
 - Occurred due to fluid catalytic cracking unit (FCCU) tripped
 - 10/27: Exceedance of Carbon Monoxide (CO) limit of 0.06 lb/MMBtu (24-hr average)
 - Max reported value of 0.061 lb/MMBtu, occurred at boiler 6
 - Cause under investigation
 - 10/29: Exceedance of Sulfur Dioxide (SO₂) limit of 15.68 lb/hr (1-hr average)
 - Max reported value of 29.79 lb/hr, occurred at west plant
 - Cause under investigation
 - 10/29: Exceedance of Sulfur Dioxide (SO₂) limit of 250 ppm at 0% O₂ (12-hr average)
 - Max reported value of 1,119 ppm, occurred at west plant
 - Cause under investigation

a. Maximum self-reported value during event window

b. These are draft emissions estimates and are subject to revisions and/or updates. The final emissions will be reported on CDPHE's quarterly excess emissions reports.

c. Information regarding the cause of the deviation may change based on the results of pending investigations.



CDPHE Information on Suncor

- 10/30: Exceedance of Carbon Monoxide (CO) limit of 0.06 lb/MMBtu (24-hr average)
 - Max reported value of 0.14 lb/MMBtu, occurred at boiler 6
 - Cause under investigation
- 11/2: Intermittent exceedances of Opacity limit of 20% (6-min average)
 - Max reported value of 43%, occurred at east plant
 - Occurred due to fluid catalytic cracking unit (FCCU) tripped and attempted restart
- 11/2-11/3: Exceedance of Carbon Monoxide (CO) limit of 500 ppm at 0% (1-hr average)
 - Max reported value of 2,031 ppm, occurred at east plant
 - Occurred due to fluid catalytic cracking unit (FCCU) tripped and attempted restart
- 11/2: Exceedances of Flare Gas H₂S limit of 162 ppm (3-hr average)
 - Max reported value of 318 ppm, occurred at east plant
 - Occurred due to fluid catalytic cracking unit (FCCU) tripped and attempted restart
- 11/3: Exceedances of Flare Net Heating Value limit of ≥ 270 Btu/scf (15-min average)
 - Max reported value of 260 Btu/scf, occurred at east plant
 - Occurred due to fluid catalytic cracking unit (FCCU) tripped and attempted restart
- 11/4: Exceedance of Carbon Monoxide (CO) limit of 0.06 lb/MMBtu (24-hr average)
 - Max reported value of 0.07 lb/MMBtu, occurred at boiler 6 (west plant)
 - Cause under investigation
- 11/8-11/10: Intermittent exceedances of Opacity limit of 20% (6-min average)
 - Max reported value of 48%, occurred at east plant
 - Occurred due to fluid catalytic cracking unit (FCCU) attempted start-up



CDPHE Information on Suncor

- 11/15-11/18: Intermittent exceedances of Opacity limits of 20% (6-min average) and 20% (3-hr avg)
 - Max reported value of 74% (6-min avg) and 40% (3-hr avg), occurred at east plant
 - Occurred due to fluid catalytic cracking unit (FCCU) start-up
- 11/16-11/18: Intermittent exceedances of Carbon Monoxide (CO) limit of 500 ppm at 0% (1-hr average)
 - Max reported value of 2,031 ppm (1-hr avg), occurred at east plant
 - Occurred due to fluid catalytic cracking unit (FCCU) start-up
- 11/19: Exceedance of Fuel Gas H₂S limit of 162 ppm (3-hr average)
 - Max reported value of 279 ppm, occurred at east plant
 - Occurred due to fluid catalytic cracking unit (FCCU) start-up
- 11/18-11/19: Intermittent exceedances of Flare Gas H₂S limit of 162 ppm (3-hr average)
 - Max reported value of 316 ppm, occurred at east plant
 - Occurred due to fluid catalytic cracking unit (FCCU) start-up



Suncor Monthly Update

- The following information is provided by Suncor regarding their recent updates and activities at the Commerce City Refinery.
- **Community Air Monitoring:**
 - The first set of reports is available at ccnd-air.com. Suncor thanks all the City Council members and staff who attended the familiarization tour in November to learn more about the program.
 - Data from the Q3 2021 reports shows all measured compound concentrations are below acute health guideline values in all neighborhoods.
 - That is, based on acute health guidelines, measured concentrations are likely to be without adverse acute health effects, even for sensitive individuals.
- **Reportable Event Summaries:**
 - The refinery complies with many air, water, and hazardous materials-related reporting requirements, including reports required by permits.
 - Monthly summaries that have been submitted to the Colorado Department of Public Health and Environment are now available at Suncor.com/Colorado in the safety and environment section. The December summary will include events from October 15 – November 15.
- **Water Permit:**
 - Suncor will take time to review the details in the draft water permit and follow the established permit renewal process.

Suncor Monthly Update

- The following information is provided by Suncor regarding their recent updates and activities at the Commerce City Refinery.
- **FCC Startup:**
 - A flare was seen on 11/18/21 as a result of starting up a portion of the refinery over several days. Exceedance information from the 11/18 flare event will be included in the January reportable events summary on Suncor.com/Colorado.
- **Community Investment:**
 - Suncor was recognized at the Nov. 9 Adams 14 Board of Education Regular Meeting for its partnership with the school district, including community investment grants supporting the following initiatives:
 - Back to School event supporting the clothing bank, purchase of backpacks and other school supplies
 - Recognition and award program for district classified professionals
 - Food for Hope “Feed 5000” events providing Thanksgiving and Christmas baskets for 200+ families
 - Project Present, a partnership initiative with the City of Commerce City to fulfill holiday wishes for 20 students from each school

Suncor Monthly Update

- The following information is provided by Suncor regarding their recent updates and activities at the Commerce City Refinery.
- **Community Investment (cont.):**
 - Suncor provided a grant to support the Adams County Sheriff’s Office 17th Annual Operation Freebird, helping local families in need purchase a turkey and other items for a complete holiday meal
 - Suncor partnered with Kids First Health Care to offer a \$5,000 match challenge for Colorado Gives Day. The \$5,000 match challenge is part of a \$50,000 gift awarded to Kids First Health Care earlier this year.





Questions?

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