



Environmental Planning and Policy Update

City Council Meeting April 2021

New Presentation Title

- Changing the “Oil and Gas Monthly Update” to “Environmental Planning & Policy Update”
- Will include the same information previously reported in the Oil & Gas Monthly Update, with the addition of new information
- This presentation, and future presentations will contain the following updates:
 - Recent applications that have been submitted for Oil and Gas Development to the Colorado Oil and Gas Conservation Commission (COGCC) or City applications within Commerce City boundaries.
 - Updates on Environmental Policy Development being pursued by the City, including opportunities for public involvement
 - Updates on City engagement in state level rulemakings and processes as it pertains to environmental quality
 - Updates on information regarding the Suncor Refinery and it’s operations
 - Other updates on environmental exceedances & issues occurring within the community
- Additional work being conducted with Community Relations to organize environmental topics on the City webpage in a more accessible manner

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- Two applications (Harlo and Anteater) were withdrawn due to inactivity.

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

- All operators have asked (at the request of the city) that holds be placed on the processing of all Form 2A's, with the additional request of a 2nd comment period.
- Oil and Gas Permits may not be approved until Council actions have occurred *and* a CUP for a pipeline has been approved by Council, per the ROA.

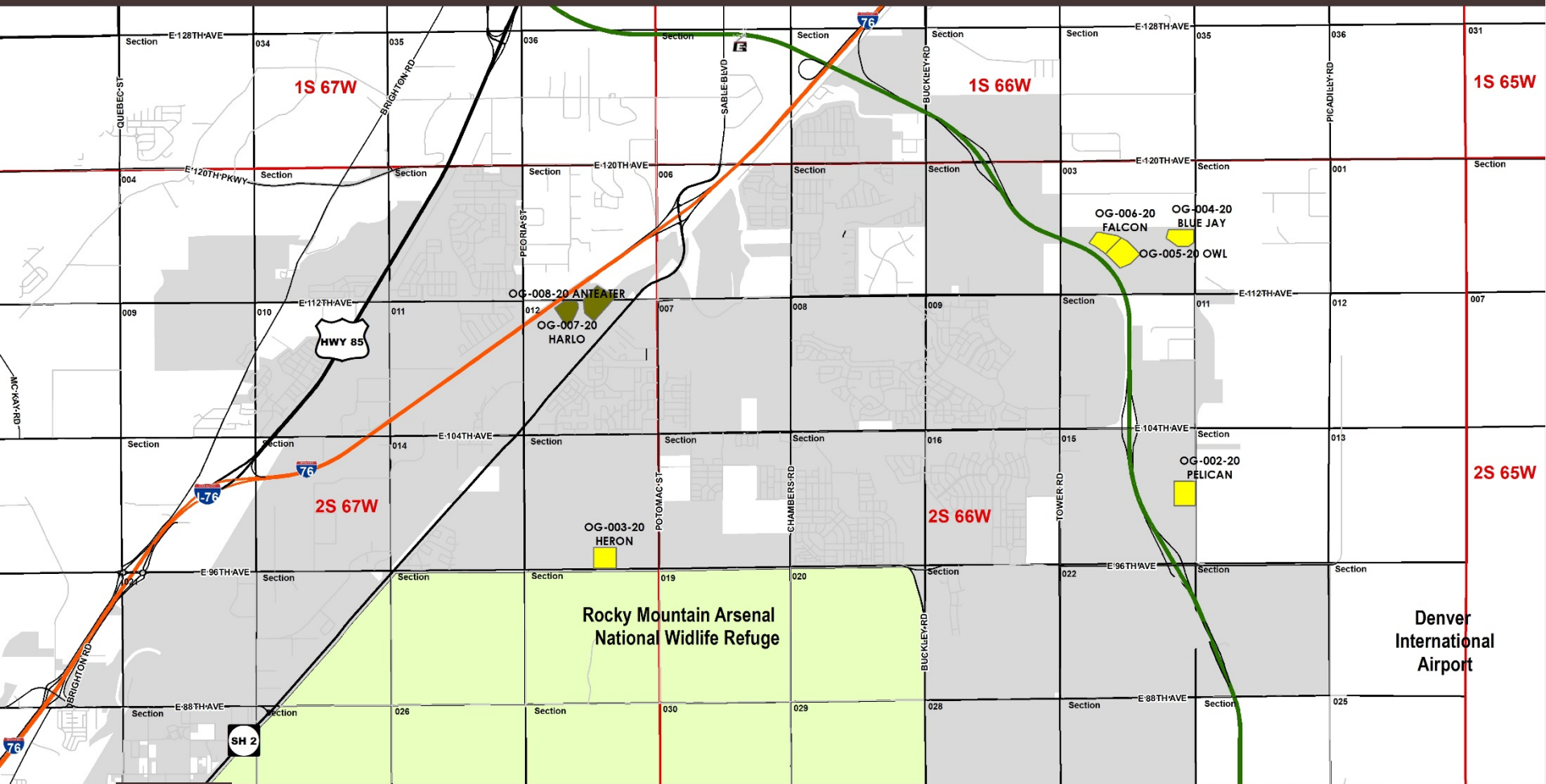


City Oil and Gas Permits

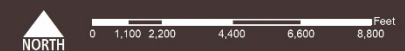


Submitted City Permits

Active as of 10/22/2020



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- Withdrawn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



State Permit Applications

- No activity since last update
- The City anticipates that Extraction's 2A permit applications must be resubmitted to the COGCC under new state regulations effective January 15, 2021

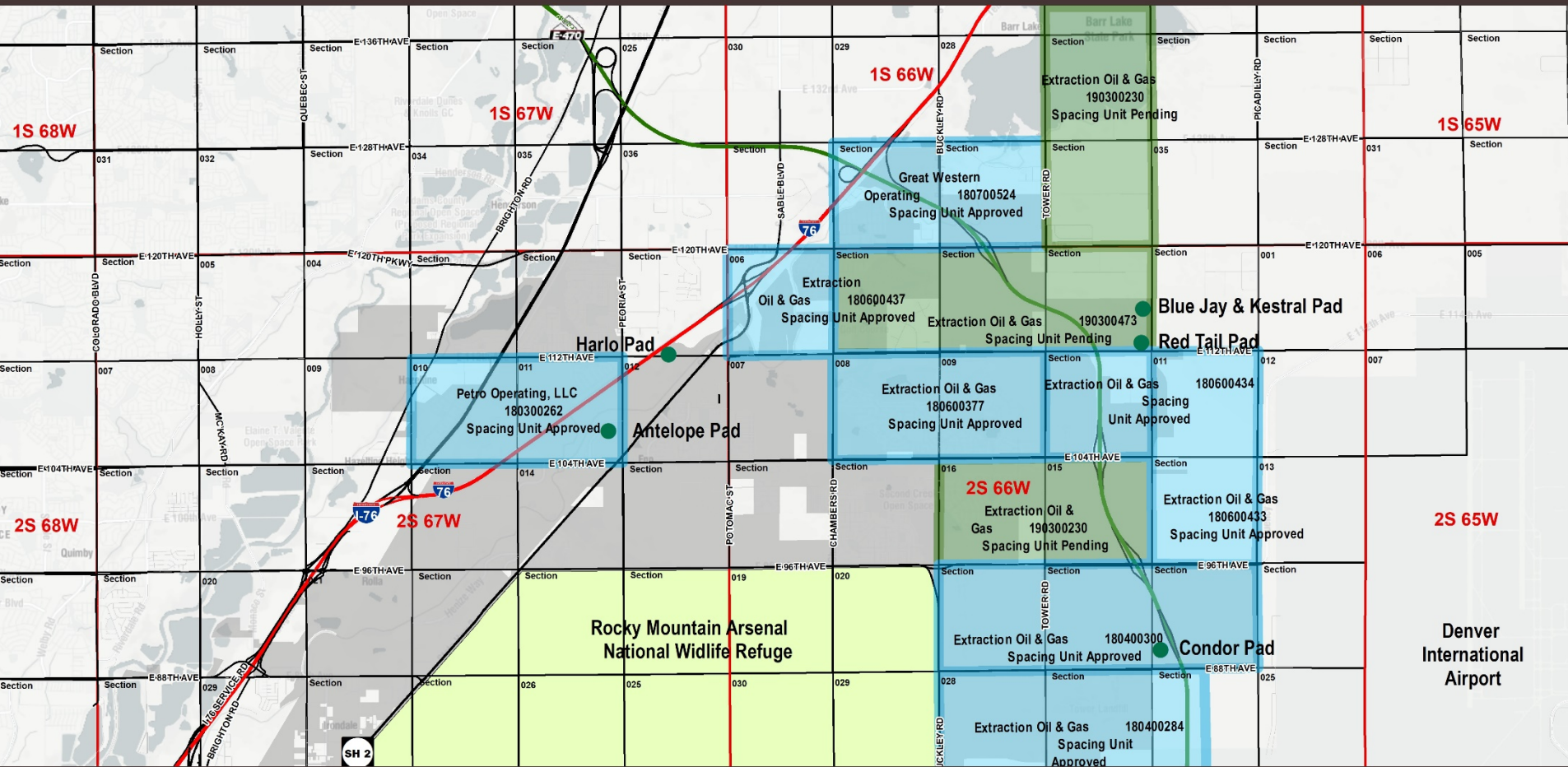


Map of COGCC Activity

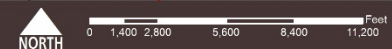


Applications to the COGCC Within Commerce City Boundaries

Active as of 10/22/2020



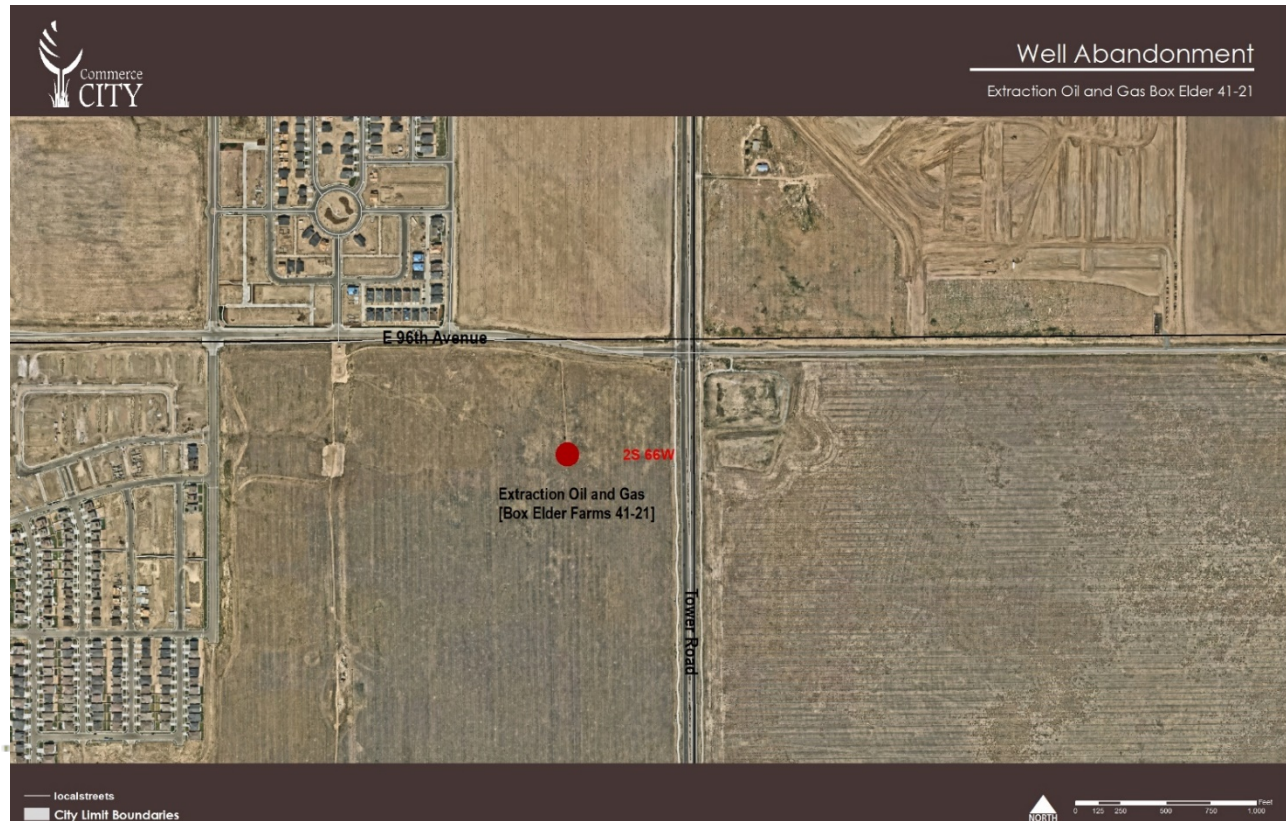
- Spacing Unit Approved
- Spacing Unit Pending
- City Limit Boundaries
- Pending Form 2A
- Approved Form 2A



*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.

Box Elder 41-21 Well

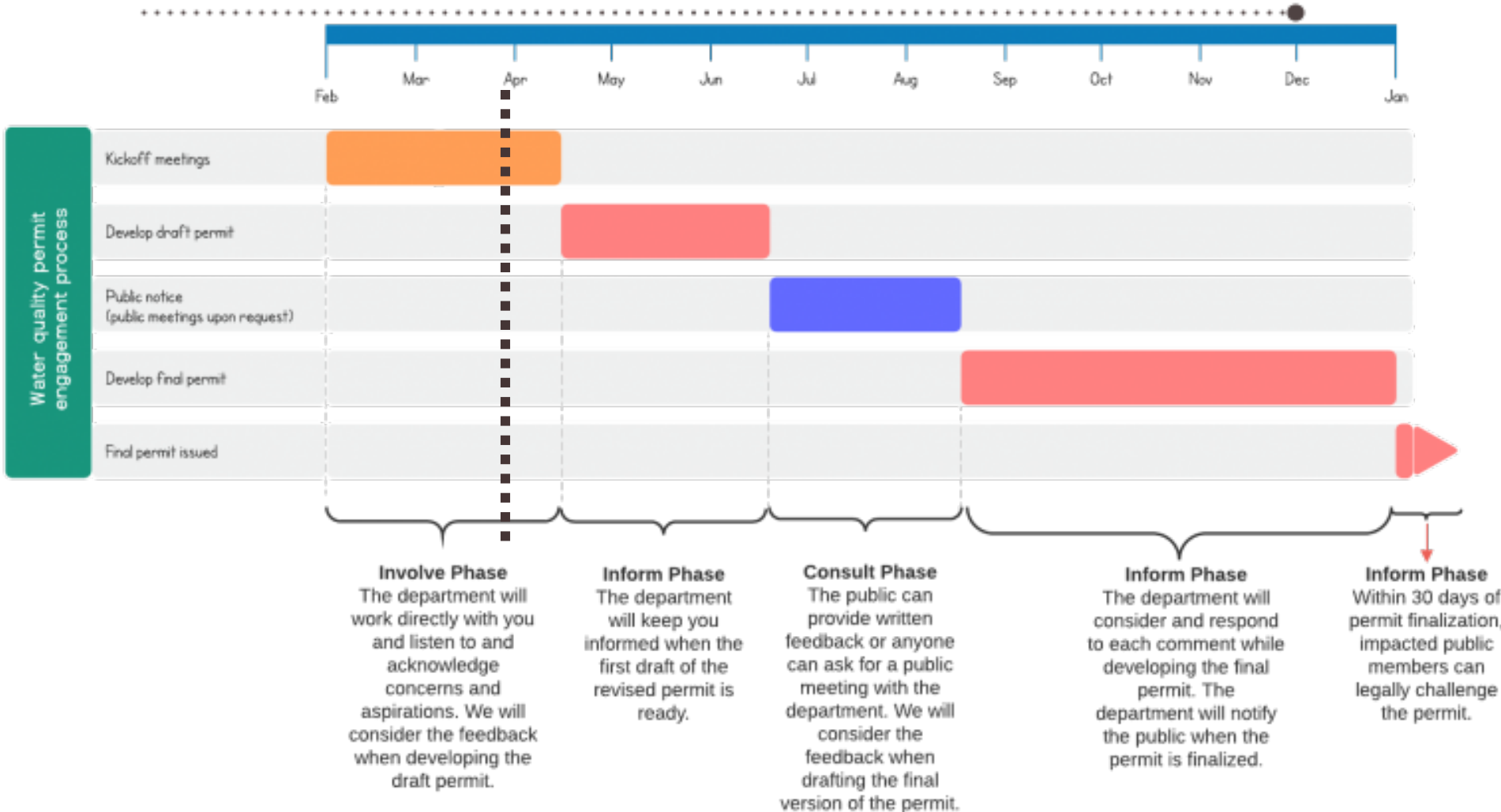
- During plug & abandonment process being conducted by Extraction Oil & Gas, legacy suspected soil impacts were identified during excavation around the wellhead.
 - Initial form 19 spill and release report was filled with COGCC on March 11, and additional work and investigation of the spill is ongoing
 - Total release volume not know at this time
 - All surface equipment expected to be associated with the historic release was removed during the P+A process



General Updates

- Suncor Supplemental Environmental Projects (SEP)
 - Evaluation committee extended decision deadline to April 30, 2021
 - Total of 19 applications under consideration by the evaluation committee
- Suncor Title V Permit (Plant 2) Public Comment Period
 - CDPHE has indicated that a public comment hearing will be scheduled with the Air Quality Control Commission (AQCC) regarding the renewal of the East Plant Title V Permit
 - A date and time for the public hearing has not yet been scheduled. Once it is, the notice will be posted [here](#). AQCC is required to hold a public hearing within 60 days of receiving a request
 - State will accept written comments up until the date of the hearing. Comments can be submitted [here](#).
- Suncor's Water Quality Discharge Permit
 - State currently in the process of renewing Suncor's Water Quality permits
 - Allows for discharge of treated wastewater, groundwater and stormwater flows into Sand Creek
 - Draft permit has not yet been issued
 - CDPHE strongly considering adding PFOS/PFOA limits during renewal
- Staff working to reschedule March 22 Study Session
 - Was previously scheduled to discuss Q1 2021 Suncor Air Permit Exceedances

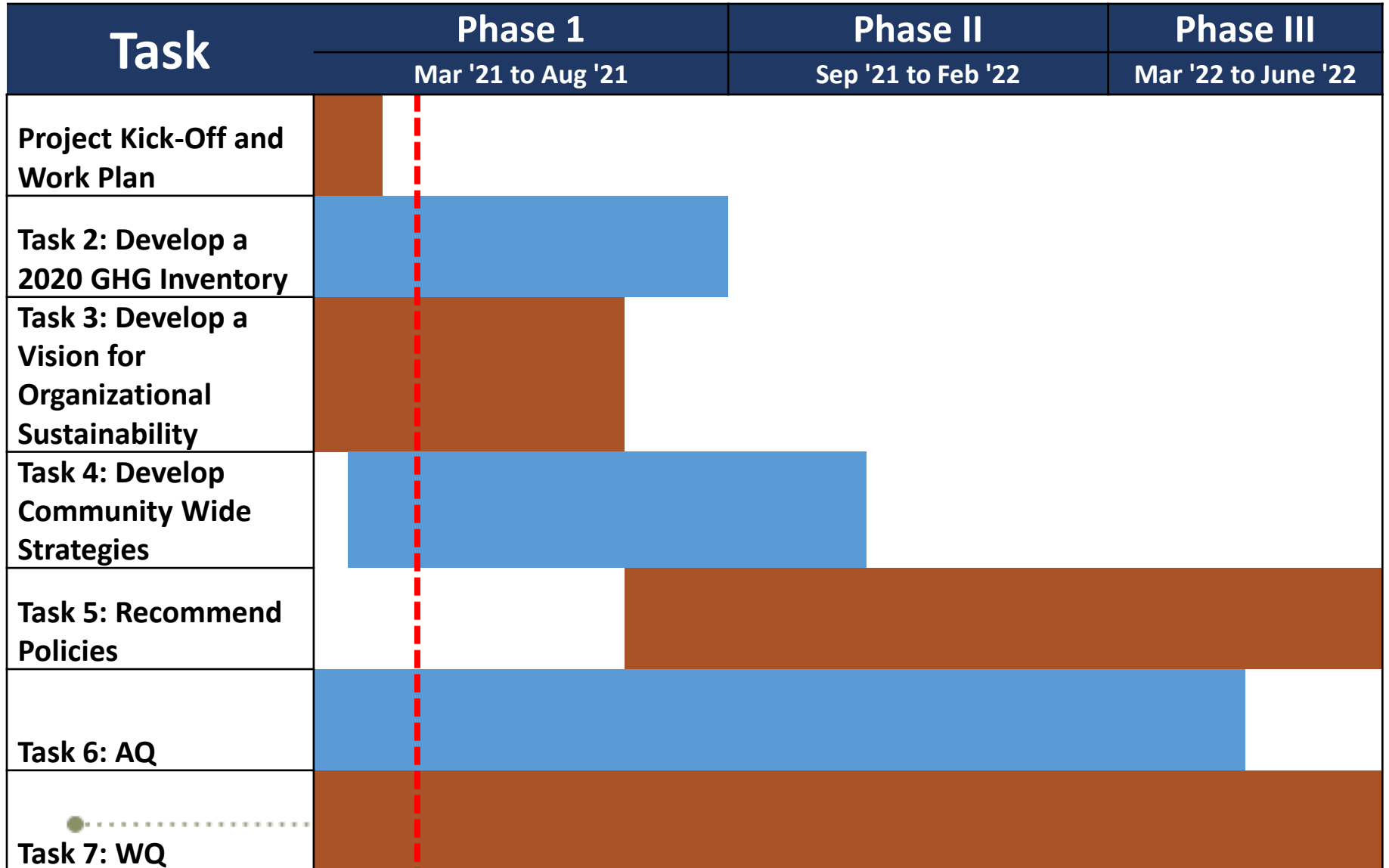
WQ Permit Renewal Timeline



Policy Development Update

- Process of developing 2019 GHG inventory currently underway
 - Task specific kickoff meeting held on 3/25
 - Data being collected for stationary energy sources, mobile sources, fugitive emissions, industrial processes and waste sources (in accordance with [GHG Protocol](#))
 - Final work product will result in total community wide emissions in 2019, measuring CO₂e, Methane, & refrigerants, broken down by sector
 - Anticipated to be completed by August – data collected will inform task 5: overall policy development, land use strategies, and community reduction strategies
- Community Engagement / Community Wide Sustainability and Health
 - Task specific kickoff meeting held on 3/31
 - Next steps include developing specific community engagement and outreach strategy, formulation of advisory / steering committee, which will develop environmental policies hand in hand with City staff and consulting team
- Organizational Sustainability
 - Task specific kickoff meeting scheduled for mid-April with various City staff & departments
- Initial data analysis on Water Quality being conducted
 - Larger kickoff meeting scheduled for end of April

Timeline - Policy Development



City Comments on Title V Permit

- On March 19, the City provided formal comments to CDPHE staff on the draft Title V Permit for Suncor's east plant.
- In the letter, the City raised the following concerns:
 - The importance of including environmental justice communities in the process of renewing the permit
 - Noting the history and pattern of Suncor's violation of existing permit conditions
 - Potential positive outcomes of combining Suncor's separate Title V permits into a single permit
 - How delays and inefficiencies in the permit review process have led to more protective regulations not being applied to and enforced at the facility
 - The relationship of the refinery to the state's overall Greenhouse Gas (GHG) reduction goals
 - The need to incorporate outcomes of the root cause analysis into the refinery's permit conditions
 - The need for community based monitoring to provide transparency to the community on levels of Hazardous Air Pollutants (HAPS), and inform understanding of public health impacts
- The City also formally requested a public hearing with the AQCC, and extension of the public comment period in it's letter.

CDPHE Information on Suncor

- 9 violations by Suncor since last update (February 19 – March 26)
 - 3/25: Exceedance of Carbon Monoxide (CO) Limit of 500ppm (1hr avg)
 - Max reported value of 2,031 ppm, Caused by startup at Plant 2 FCCU
 - 3/22: Exceedance of Carbon Monoxide (CO) Limit of 500ppm (1hr avg)
 - Max reported value of 2,031 ppm. Caused by startup at Plant 2 FCCU
 - 3/22: Exceedance of 20% opacity limit (6 minute average)
 - Max reported value of 40%, caused by startup at Plant 2 FCCU
 - 3/19: Exceedance of Hydrogen Sulfide (H₂S) limit of 162ppm in flare gas (3-hr average)
 - Max reported value of 236ppm. Caused by shutdown of Plant 2 FCCU

a. Maximum self-reported violation 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

- 3/17: Exceedance of 20% opacity limit (6 minute average)
 - Max reported value of 29%. Under investigation – occurred at Plant 2 Catalytic Reactor
- 3/15: Exceedance of Hydrogen Sulfide (H₂S) limit of 162ppm in flare gas (3-hr average)
 - Max reported value of 318ppm. Caused by hydrogen plant going offline – measured at Plant 1 main flare
- 2/20: Exceedance of Sulfur Dioxide (SO₂) limit of 500 lbs/24 hr period
 - Exact amount still being determined. Caused by Flare Gas recovery system going offline, measured at Plant 1 main flare
- 2/20: Exceedance of Hydrogen Sulfide (H₂S) limit of 162ppm in flare gas (3-hr average)
 - Max reported value of 300ppm. Caused by Flare Gas recovery system going offline, measured at Plant 1 main flare
- 2/19: Exceedance of 30% opacity limit (6 minute average) (state requirement)
 - Max reported value of 49%. Caused by sandblaster malfunction – measured at Plant 1 FCCU

a. Maximum self-reported violation 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.

Suncor Monthly Report

- Is included as an attachment in the packet
- Is provided as a monthly update by Suncor
- Includes discussion on:
 - Suncor’s proposed community monitoring program
 - Update on environmental performance from 2019 – 2020
 - Update on exceedance events occurring in Jan / Feb
 - Update on PFOA/PFAS
 - Update on community notification system
 - Update on Plant 1 & 3 turnaround process
 - Results from Community Engagement Efforts



Questions?

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City Council Meeting April 2021