



## Community Air Monitoring

In response to community feedback, Suncor Energy (U.S.A.) Inc. is launching a new community air monitoring program and inviting the community to participate.

### Program overview and community engagement:

- Suncor will use an independent expert who will conduct air monitoring in the communities surrounding the Commerce City Refinery and report the results to the public.
- Starting in early 2021, we will hold meetings with the community and regulators to get input to help shape the program, including selection of the independent expert. At these meetings, information will be shared about monitoring technologies.
- We welcome and encourage our neighbors, public officials, the environmental community, and monitoring experts, to participate. More details to come.

### Monitoring technologies:

- In 2021, Suncor plans to select a combination of monitoring technologies to be implemented and tested by the independent expert during an initial evaluation phase, with long-term solutions to follow.
- These may include sensor-based monitors, summa canisters, gas chromatograph monitors, mobile testing labs, and other established technologies.
- The sensor-based systems will be able to provide real-time results to the public for the following compounds: carbon monoxide (CO), sulfur dioxide (SO<sub>2</sub>), hydrogen sulfide (H<sub>2</sub>S), nitrogen oxide (NO), nitrogen dioxide (NO<sub>2</sub>), particulate matter (PM 2.5), and total volatile organic compounds (VOCs).
- The other systems can measure more compounds at different time periods, including benzene, other VOCs, and hydrogen cyanide (HCN).
- These systems will also measure weather conditions, including wind direction and wind speed.

### Program timeline:

- Community meetings to begin in early 2021.
- After receiving community feedback and selecting an independent expert, we will choose systems to use in 2021 for an evaluation period, likely up to one year.
- After the systems are tested, we will fund implementation of longer-term community monitoring solutions by the independent expert.

### Current Suncor community air monitoring:

- Currently, for refinery shutdowns, other planned events, and unplanned incidents, Suncor personnel monitors the air in the communities near the Commerce City Refinery using highly specialized monitors that can detect carbon monoxide (CO), hydrogen sulfide (H<sub>2</sub>S), sulfur dioxide (SO<sub>2</sub>), and volatile organic compounds (VOCs).