

**PROJECT INFORMATION**Project Name: **Air Quality Monitoring Installation**Project #: **TRP129**Year First Shown in CIP: **2021**Funding Status: **Funded**Is this a Budget Amendment? ☒Amendment Date: **11/30/2021****PROJECT DESCRIPTION:**

This project will include the purchase and installation of ozone monitoring equipment and six gas development pods, or OG-Pods, which will measure the presence of volatile organic compounds found in the air in proximity to oil and gas sites. OG-Pods are a new, more cost effective, mobile, measurement technology that takes continuous measurements that can be read in real-time. We will work with local research institutions to identify appropriate placement of the ozone monitoring stations and OG-pods and analyze data from the monitoring system to determine the impact of oil and gas development in Longmont.

The Colorado Department of Public Health and the Environment monitor both ozone and VOCs throughout a statewide network of monitoring stations. Longmont falls into the Denver Metro/North Front Range region, which has been in compliance with all National Ambient Air Quality Standards, except for ozone, since 2002. The area was formally designated as a "nonattainment" area in 2007.

**PROJECT JUSTIFICATION:**

Ozone is an air pollutant that can cause respiratory health problems and damage crops and ecosystems, and is a potent greenhouse gas. Chemical reactions create ozone from emissions of nitrogen oxides (NOx) and volatile organic compounds (VOCs) from automobiles, power plants, and other industrial and commercial sources in the presence of sunlight.

Improving air quality and expanding monitoring and information of local air quality was identified as a top priority in the Sustainability Plan. Increasing inspections from oil and gas sites was identified as an immediate strategy within the plan (AQ-1), which includes expanded monitoring of air quality impacts and sharing subsequent information with the public.

In addition, this supports the Envision Longmont guiding principle 5 - Responsible Stewardship of our Resources. Within this guiding principle, Envision has a specific policy on Air Quality (policy 5.1B), which states: Strive to improve air quality and reduce citywide greenhouse gas emissions by increasing compliance with all applicable pollution standards, promoting efficient development patterns, and expanding multimodal transportation options.

**SUPPORTING ENVISION LONGMONT GUIDING PRINCIPLES AND FOCUS AREA ALIGNMENT:**

<input type="checkbox"/> GP1:Livable Centers,Corridors & Neighborhoods	<input checked="" type="checkbox"/> GP2:Complete, Balanced & Connected Transp Sys	<input type="checkbox"/> GP3:Housing,Services,Amenities & Oppt for All
<input checked="" type="checkbox"/> GP4:A Safe, Healthy, and Adaptable Community	<input checked="" type="checkbox"/> GP5:Responsible Stewardship of Our Resources	<input type="checkbox"/> GP6:Job Grwth & Economic Vitality-Innov & Col
<input type="checkbox"/> Sugar Mill / Highway 119 Gateway	<input type="checkbox"/> St. Vrain Creek Corridor	<input type="checkbox"/> Hover Street Corridor
<input type="checkbox"/> Midtown / North Main	<input type="checkbox"/> Area of Change	<input type="checkbox"/> Downtown / Central Business District (CBD)
Other Related Plans:	Sustainability Plan	
Related CIP Projects:		

**PROJECT COSTS:**

	2021	2022	2023	2024	2025	2021-2025 TOTAL
	70,000	0	0	0	0	70,000

**SOURCE OF FUNDS:**

	2021	2022	2023	2024	2025	2021-2025 TOTAL
<b>Funded</b>						
General	70,000	0	0	0	0	70,000

**LOCATION MAP:****VARIOUS LOCATIONS**