

Guide for Navigating the Purple Air Sensor Map

Introduction

The City will use four (4) Purple Air Sensors to monitor the City's air quality in real time. The first sensor was placed in service in October 2018 and the second in July 2019. The two remaining sensors will be brought online shortly. Each sensor is labeled according to its nearest City intersection location. The sensor labeled "VVT@OM" is located near the intersection of Vista View Trail and Oak Meadow Trail; the sensor labeled "CT@HPT" is located near the intersection of Cross Trail and High Plains Trail. The other two sensors will be located near the intersections of Vista View Trail and Hwy 71 ("VVT@71") and Southeast Trail and East Trail ("SET@ET").

Guide

Purple Air Company Website

Select the Purple Air radio button at the upper left corner of the Purple Air Sensor Map for information about the company and its products. See the adjacent dropdown menu for "Our Technology" which explains in detail how the sensors work and "Frequently Asked Questions".

Purple Air Sensor Map

Sensors

The colored circles in the central map area represent the activated Double Horn sensors. Click on one to see the past week's values for the selected Map Data Layer (see below) and where current values fall in the comfort and safety bands (also below). A corresponding chart to the left graphs individual sensor data for the week. NOTE: When switching from one sensor to the next, be sure to close the graph from the previous sensor, otherwise the previous sensor chart will remain.

Map Data Layer

The box at the lower left of the screen shows which Map Data Layer from the dropdown menu is currently being reported for all sensors. The ? next to "Map Data Layer" explains what each layer in the dropdown menu tracks. The default layer setting is US EPA PM2.5 AQI (Air Quality Index), a number used by the U.S. government to communicate to the public the level of air pollution.

Below the Map Data Layer dropdown menu are colored bands representing levels of comfort and safety. Current sensor values are placed in the bands to show where they fall within these limits. For AQI, the bands range from green (good air quality) on the left to brownish red (a serious health hazard) on the right. Similarly, these bands show where current temperature and humidity values fall within comfort and safety levels. Click on a color for its meaning and numerical range.