

# August 2019: Continuous Monitoring Program

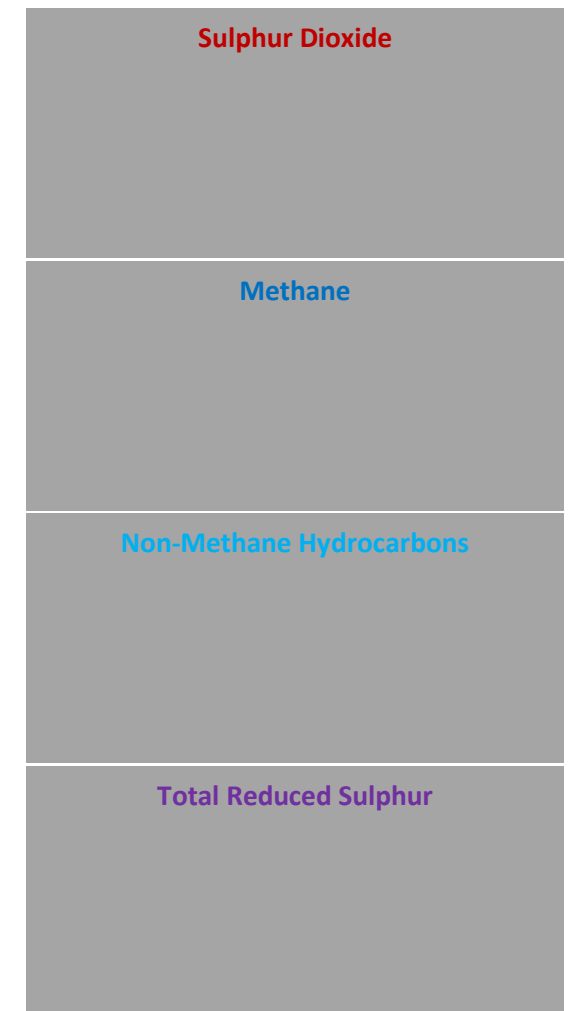
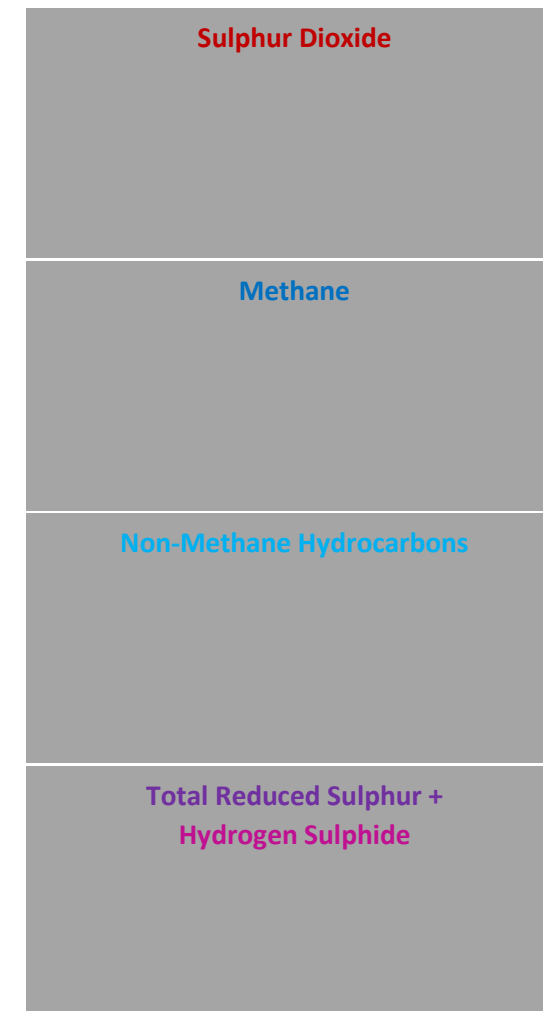
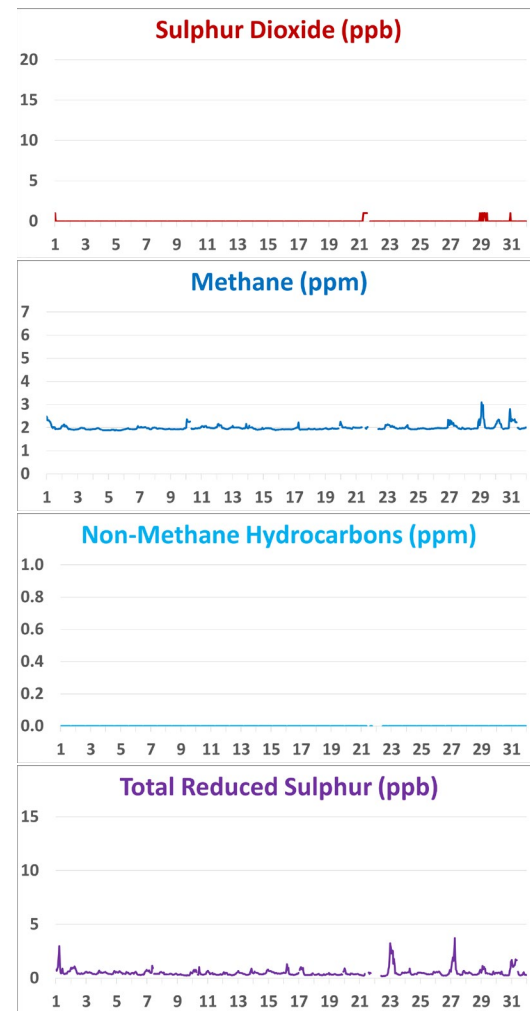
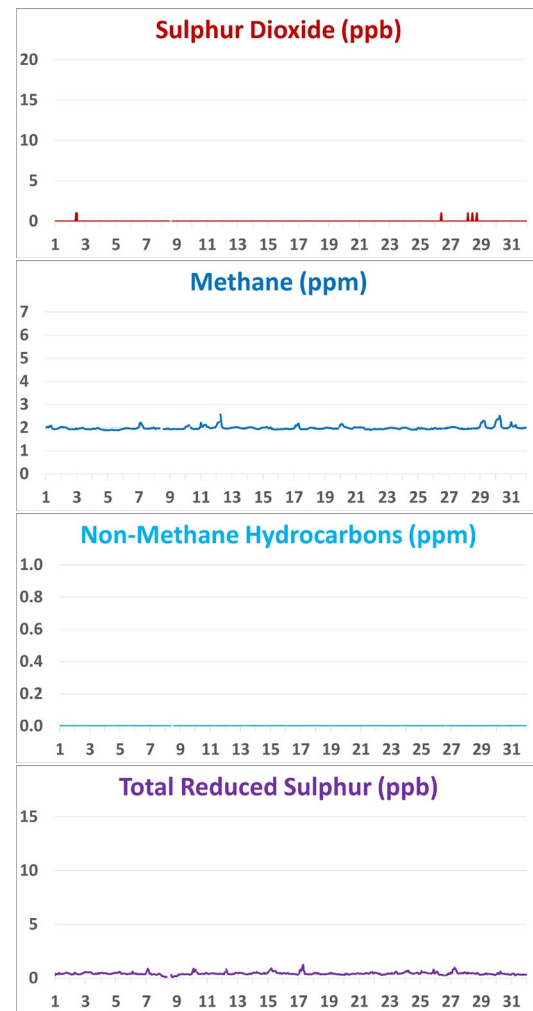
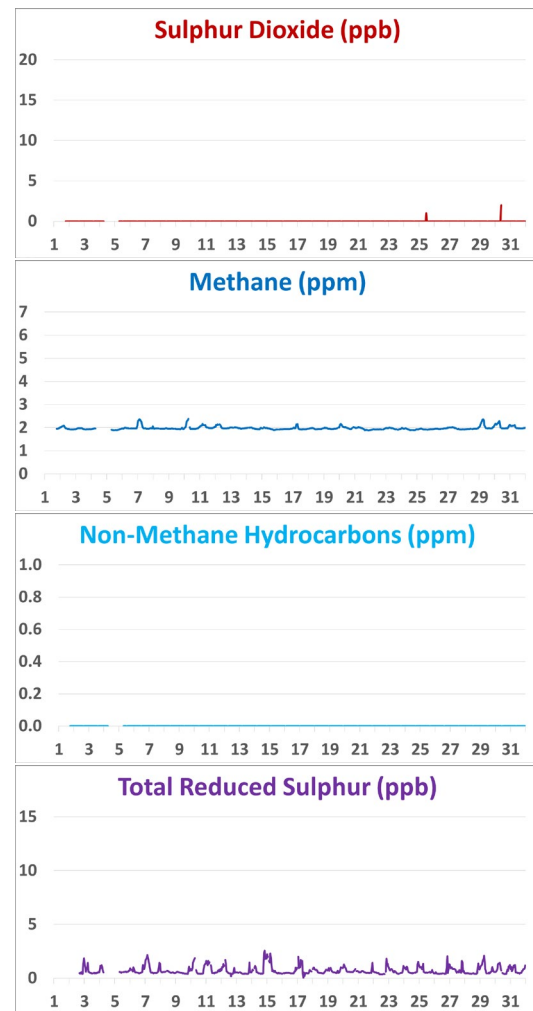
Station 986c

Station 842b

Reno Station

PRC Station (*coming soon*)

AQHI Station (*coming soon*)



## Operational Summary

### 986c Station:

- The air monitoring station was relocated to the coordinates of 56.36980, -116.9250 on August 1. All analyzers were put back online following an installation calibration between August 1 and August 2.
- The Daily Zero-Span Test Procedure requirements outline in the AMD 2016 Chapter 7 (Section 4.0) were contravened on August 4 for all gas parameters. The scheduled automated daily zero-span check did not execute on August 4 due to a datalogger programming error. AEP reference number: 357137.
- All parameters: No data were recorded between August 4 hour 7 and August 5 hour 5 due to datalogger programming issues. Data collected on August 5 hour 6 for all gas parameters were discarded as data quality was affected by the issue. Twelve hours of data were invalid due to this event.
- Precipitation: An EML ARG100 precipitation sensor, s/n: 190114, was installed on August 1. The sensor is designed to collect precipitation data when ambient temperature is above 0 °C. during warm seasons. The sensor is programmed to collect precipitation data between April and October each year.
- Data collected on August 10 at hours 5 and 6 were invalidated due to the sensor malfunction, which was caused by low ambient air temperature.

### 842b Station:

- WS/WD: The wind tower was extended by 1.25 meter following the annual wind system calibration on August 7 at hours 14 and 15.
- Datalogger updates were applied on all gas parameters on August 26 during hour 15. One hour of data was invalidated due to this event.

### Reno Station:

- The communication program between the analyzers and data logger was interfered during Windows updates on August 21. The issue was fixed on August 22. No data were collected between August 21 at 17:46 and August 22 at 09:24, with an exception of SO<sub>2</sub> and station temperature. Sixteen hours of data are missing due to this event.

### VOC Canister Sampling program:

- No canister was collected in August as both the CH<sub>4</sub> and NMHC concentrations were recorded below the trigger points.

Fine Particulate Matter

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