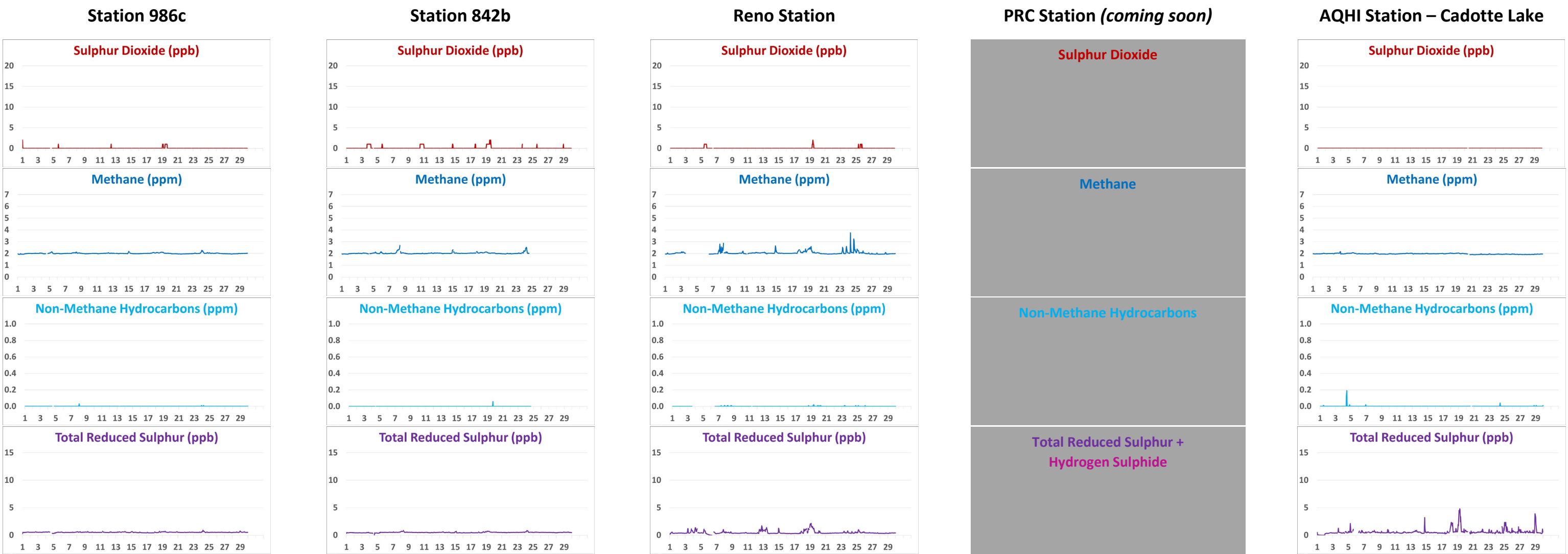


February 2020: Continuous Monitoring Program



Operational Summary

986c Station:

- THC/CH4/NMHC: The analyzer failed the schedule zero-span check on February 13 hour 4. Two hours of downtime were recorded. Hourly data collected on February 20 hour 16 was considered invalid and was discarded as <75% of hourly data was retrieved. One hour of downtime was recorded due to this event.
- TRS: The analyzer spanned outside the lower acceptable range on February 17 hour 23. No data were discarded. However, one hour of downtime was recorded due to the repeat zero-span check which was conducted on February 18 hour 14.

842b Station:

- All parameters met the 90% operational uptime requirement, with an exception of THC/CH4/NMHC (81.6%) AEP reference #: 364605.
- THC/CH4/NMHC: Beginning February 16, there were multiple sporadic occasions where minute data averages for methane were flagged less sample (<Samp) or below record (BelowR) due to low methane values (values were recorded less than 1.8ppm). Hourly data were considered valid if >75% of valid minute data for an hour were recorded. Twenty hours of downtime were recorded due to this event. The analyzer began to show poor performance commencing February 27 and failed on February 28. A total of 128 hours of data was invalidated between February 24 and 29. The analyzer operational uptime for February was 81.6%.
- TRS: The analyzer spanned outside the lower acceptable range on February 17 hour 23. No data were discarded. However, one hour of downtime was recorded due to the repeat zero-span check which was conducted on February 18 hour 14.

Reno Station:

- All parameters met the 90% operational uptime requirement, with an exception of THC/CH4/NMHC (89.9%). AEP reference #: 364603.
- THC/CH4/NMHC: CH4 span response exhibited a sudden drift towards the lower acceptance limit on February 4 hour 13. Sixty-seven hours of data were discarded due to this event.
- TRS: The analyzer spanned outside the lower acceptable range on February 17 hour 23. No data were discarded. However, one hour of downtime was recorded due to the repeat zero-span check which was conducted on February 18 hour 14.

AQHI – Cadotte Lake Station:

- Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable, with an exception of PM2.5. AEP ref #: 363997.
- PM2.5: One hour of exceedance was recorded on February 24 hour 10, at concentration of 80.6 ug/m³. Land clearing and brush burning were occurring in the area near the station.
- TRS: Hourly data collected from February 5 hour 16 to February 6 hour 6 were invalidated due to firmware crash. Sixteen hours of downtime were recorded due to this event.

VOCs Canister Sampling Program:

- Two CH4 canister events were recorded at the Reno site this month: on February 24 at 08:25, at concentration of 7.25 ppm, and on February 24 at 18:55, at concentration of 6.66 ppm.

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