

November 2022: Active Monitoring Program

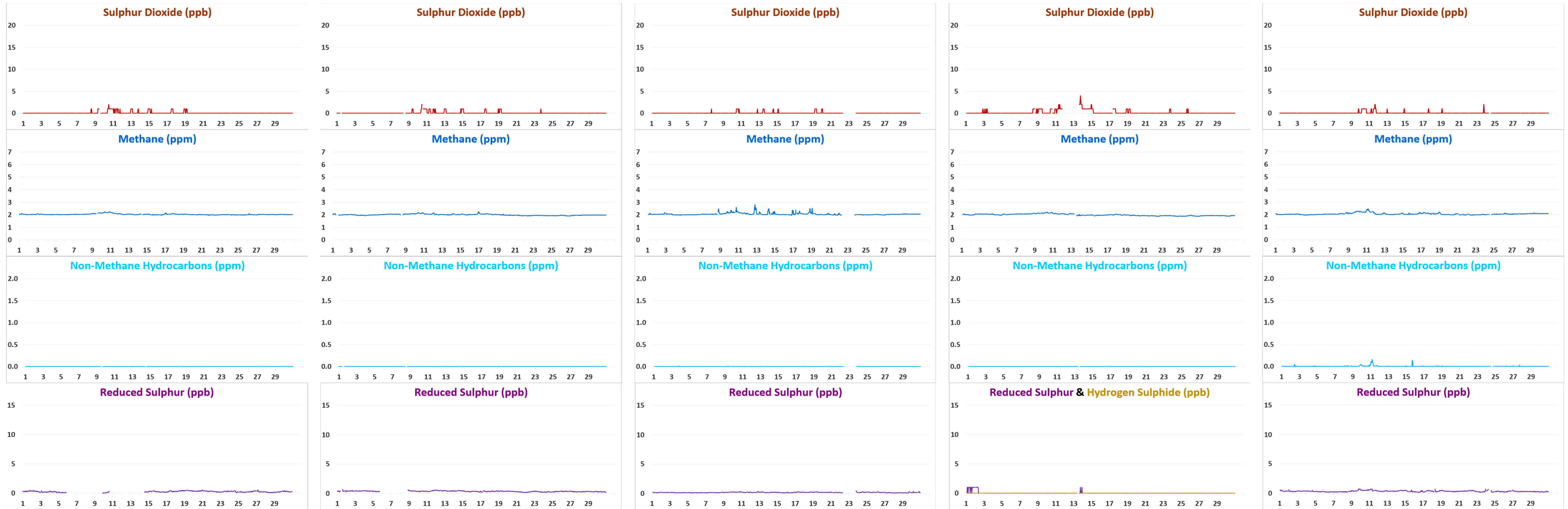
Station 986-C

Station 842-B

Reno / Reno-B Station

PRC Station

AQHI Station – Grimshaw



Field Operations Summary (detailed field operations notes can be found in the monthly technical reports on the PRAMP [website](#))

986c Station

- Measured parameters were below Alberta Ambient Air Quality Objectives (AAQOs) where applicable. All parameters met the 90% operational uptime requirement, except TRS (73.5%). **AEP reference #: 407836.**
- **TRS:** The analyzer failed the as-found points check on November 9. The issue was likely from the scrubber material. Data were invalidated back to the last valid calibration check, which was November 5. 88 hours of downtime were recorded. The analyzer failed the daily zero-span check on November 11 and failed the shut-down calibration on November 13. Data were invalidated back to the last valid calibration check, which was November 10. 90 hours of downtime were recorded.

842b Station

- Measured parameters were below Alberta Ambient Air Quality Objectives (AAQOs) where applicable. All parameters met the 90% operational uptime requirement, except TRS (89.4%). **AEP reference #: 407837.**
- **TRS:** The analyzer failed the as-found points check on November 8. The issue was likely from the scrubber material. Data were invalidated back to the last valid calibration check, which was November 5. 70 hours of downtime were recorded.

Reno / Reno-B Station

- No major operational issues this month that resulted in reportable downtime events. Measured parameters were below Alberta Ambient Air Quality Objectives (AAQOs) where applicable.
- The air monitoring station was relocated on November 22, from 55.86936 North, -117.05739 West to 55.890868 North, 117.137080 West. The station name was changed from Reno to Reno-B to distinguish between the old and new locations. All analyzers, meteorological systems and the datalogger were installed and calibrated/audited on November 23. The station was brought back online on November 23.

PRC Station

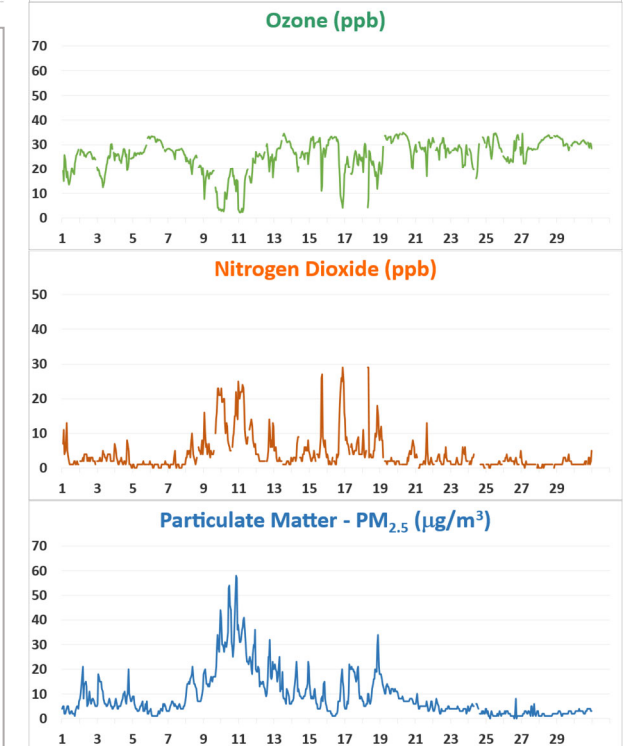
- No major operational issues this month that resulted in reportable downtime events. Measured parameters were below Alberta Ambient Air Quality Objectives (AAQOs) where applicable.

AQHI Station – Grimshaw

- No major operational issues this month that resulted in reportable downtime events. Measured parameters were below Alberta Ambient Air Quality Objectives (AAQOs) and /or Alberta Ambient Air Quality Guidelines (AAQGs) where applicable, except **PM2.5**. One 24-hour PM2.5 exceedance was recorded and was caused by stagnant weather conditions.

NMHCs Canister Sampling Program

- There were no canister events recorded this month.



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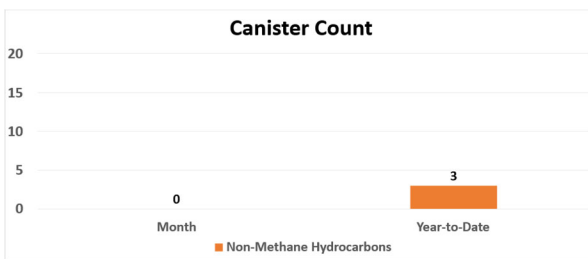
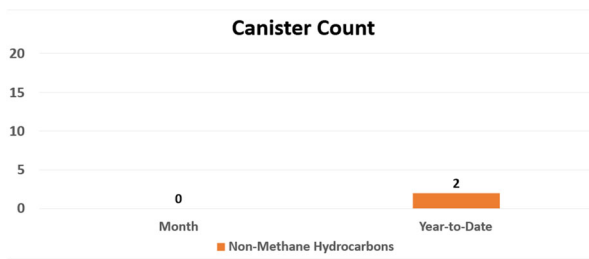
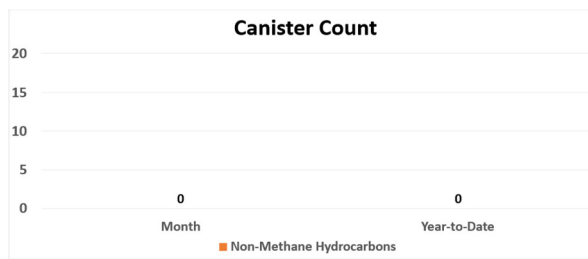
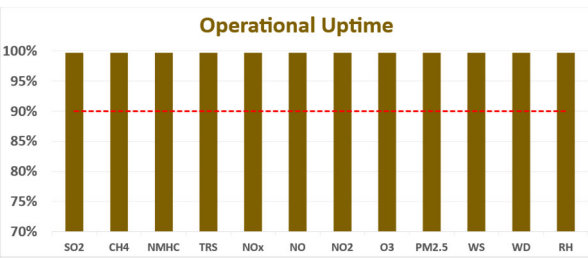
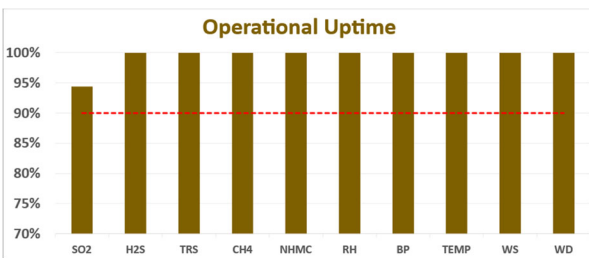
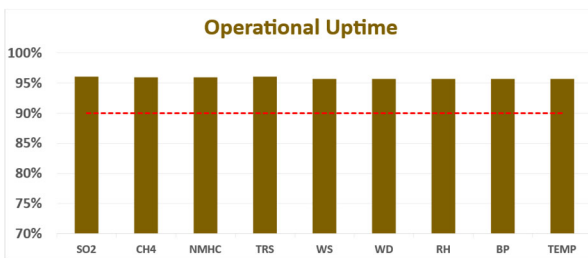
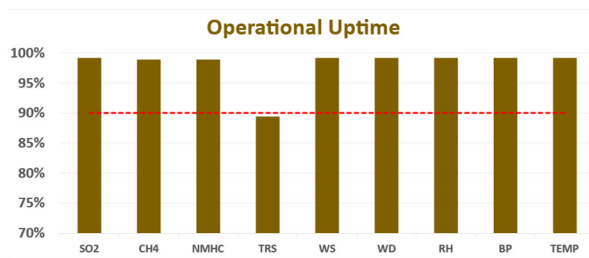
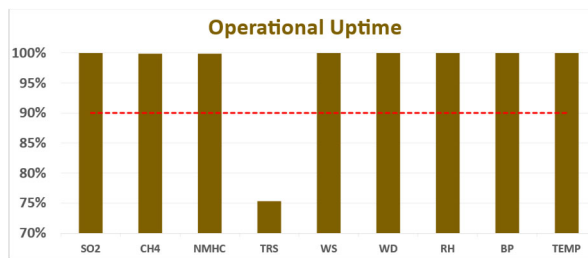
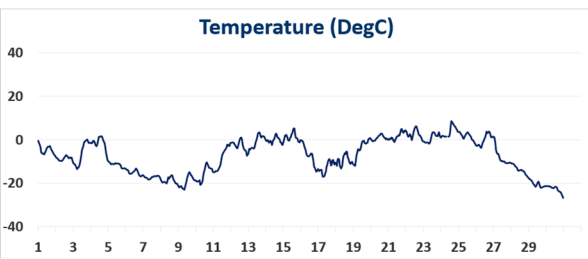
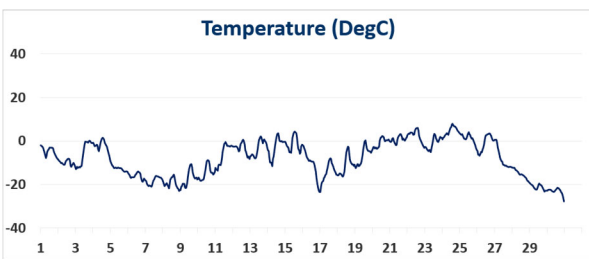
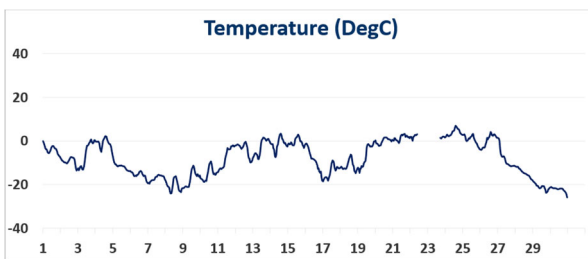
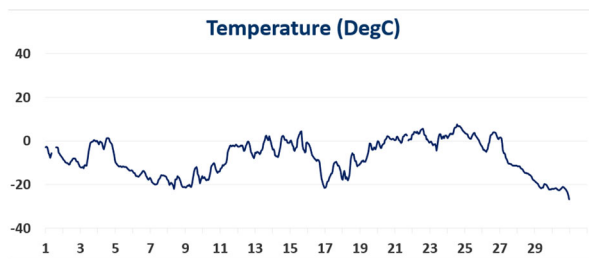
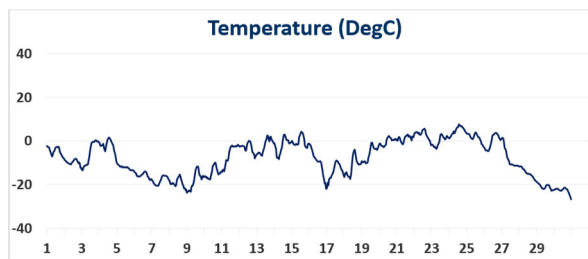
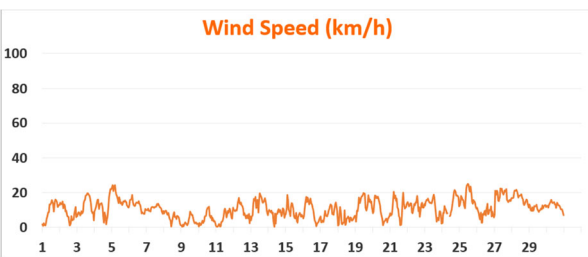
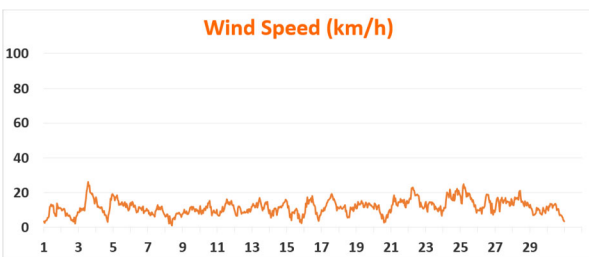
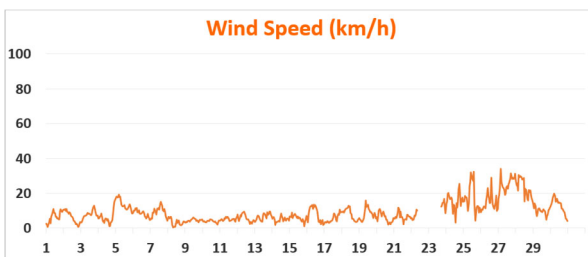
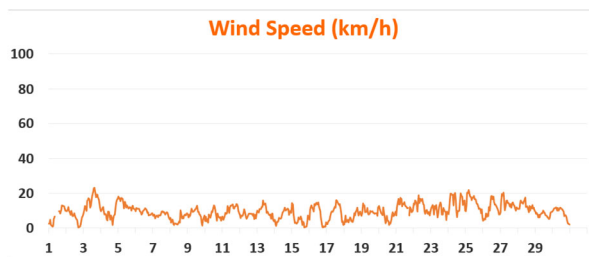
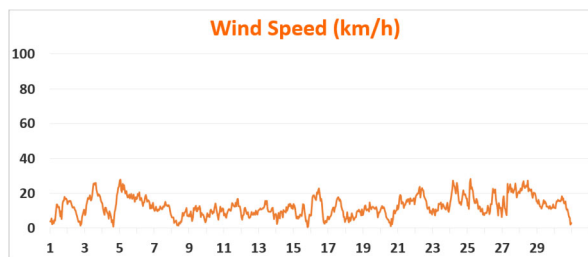
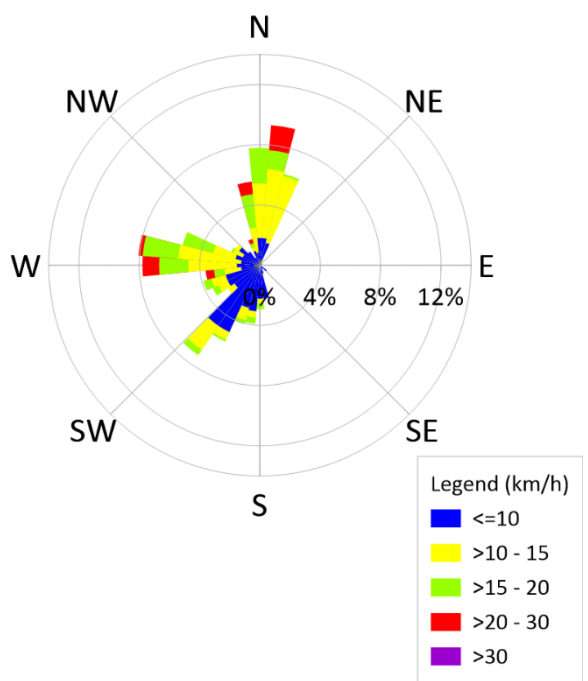
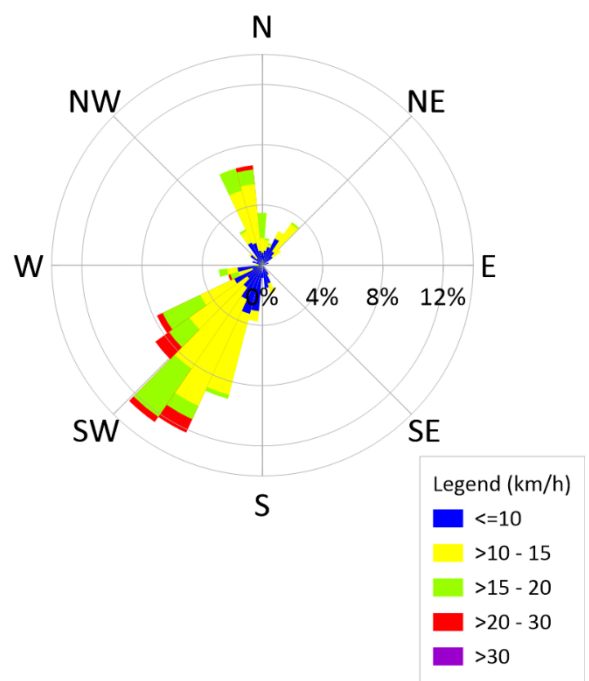
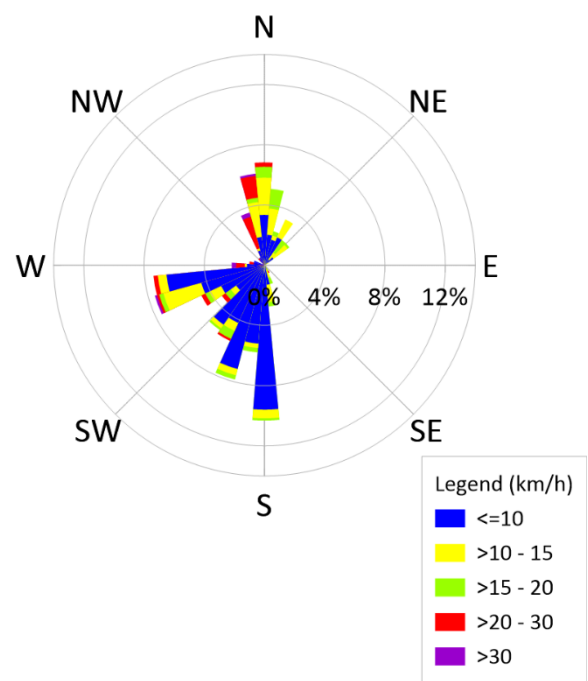
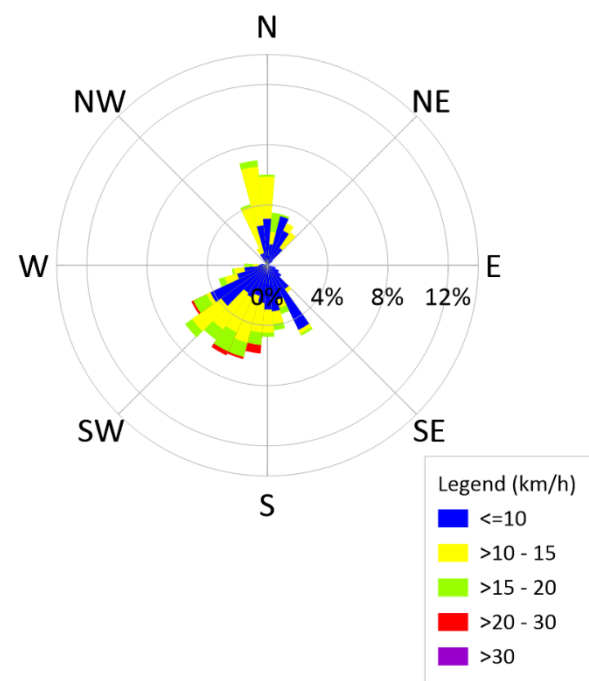
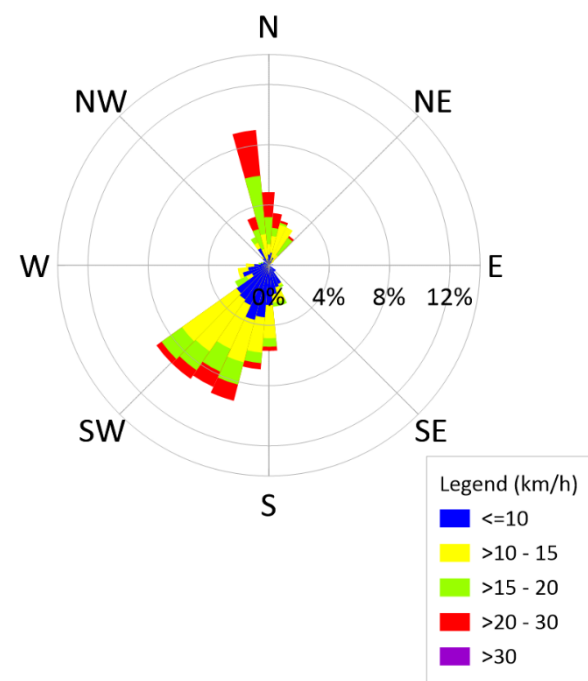
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Reno / Reno-B Station

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AQHI Station – Grimshaw



Targets, Guidelines, and Objectives
 Sulphur Dioxide 1h AAAQO = 172 ppb
 Ozone 1h AAAQO = 76 ppb
 Particulate Matter (PM_{2.5}) 1h AAAQO = 80 µg/m³
 Nitrogen Dioxide 1h AAAQO = 159 ppb
 Operational Uptime Requirement = 90%
 AQHI Risk Value = 1-3 Low, 4-6 Moderate, 7-10 High, >10 Very High

