

# February 2024: Active Monitoring Program

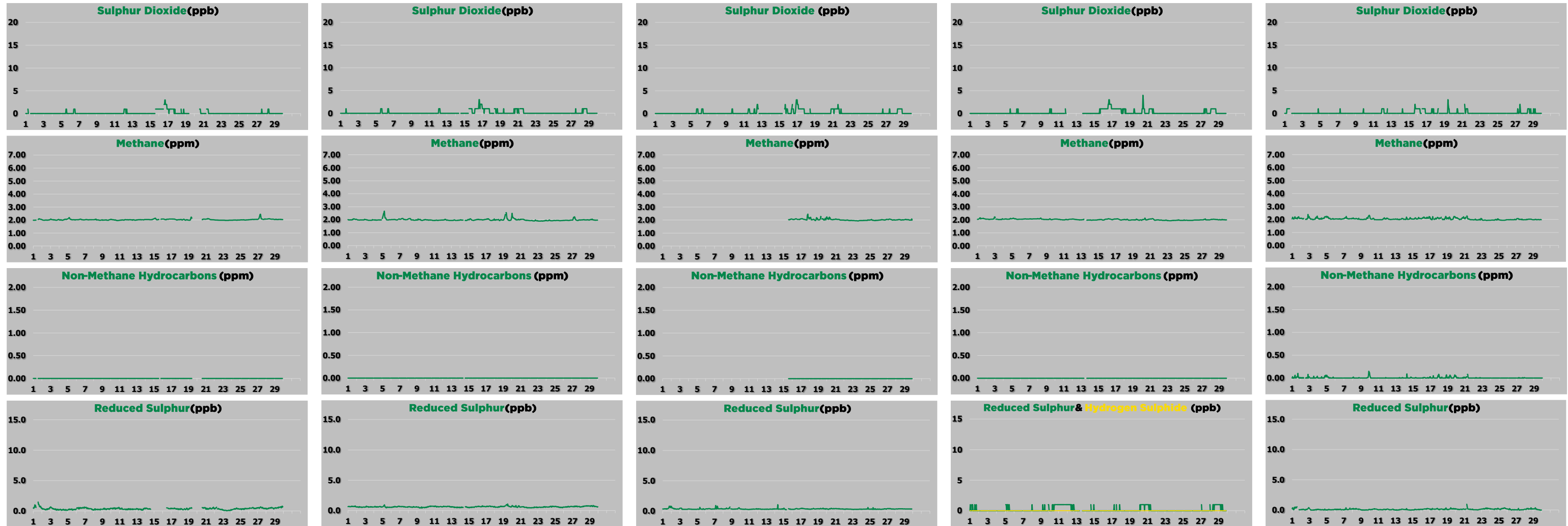
## 986-C Station

## 842-B Station

## 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](#))

### All Stations

- **TRS/H<sub>2</sub>S:** Low temperatures, notably mid-month, impacted TRS/H<sub>2</sub>S span results. Reduced moisture slowed analyzer response due to SO<sub>2</sub> scrubber needing optimal humidity. While daily span checks often fell below requirements and zero check drift approached limits during low temperatures, analyzer performance met AMD criteria, ensuring data validity.

### 986-C 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.

### 842-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.

### Reno-B Station

- All parameters met the 90% operational uptime requirement except THC/CH<sub>4</sub>/NMHC (50.4%) - DINC0005039. The analyzer issue persisted from January into February, so the DINC number for January was applied to the February event.
- **THC/CH<sub>4</sub>/NMHC:** A successful monthly calibration was completed on January 9. However, the analyzer failed February's monthly calibration. In the absence of a clear point of failure, data were discarded back to the January's calibration. Three hundred forty-five hours of downtime were recorded due to this event.

### PRC Station

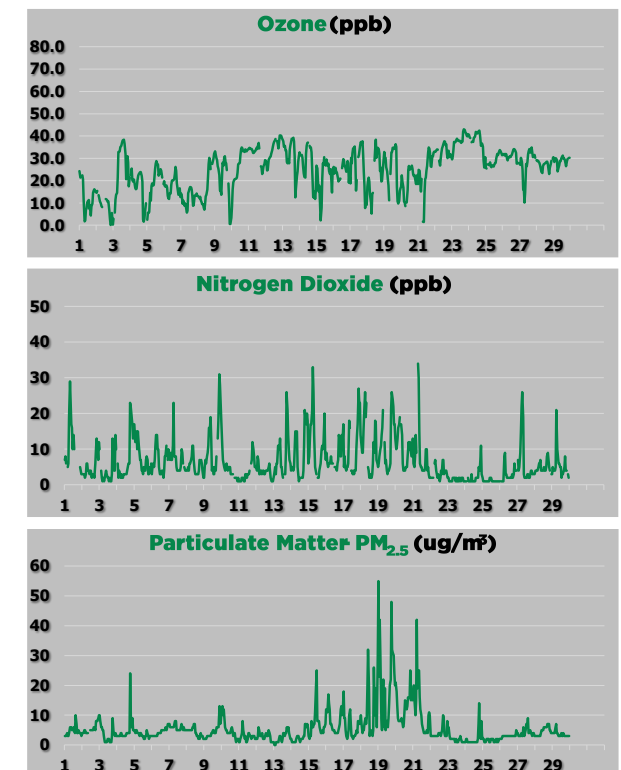
- No major operational issues this month that resulted in reportable downtime events. Measured parameters were below Alberta Ambient Air Quality Objectives (AAQOs) where applicable.

### 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) where applicable.

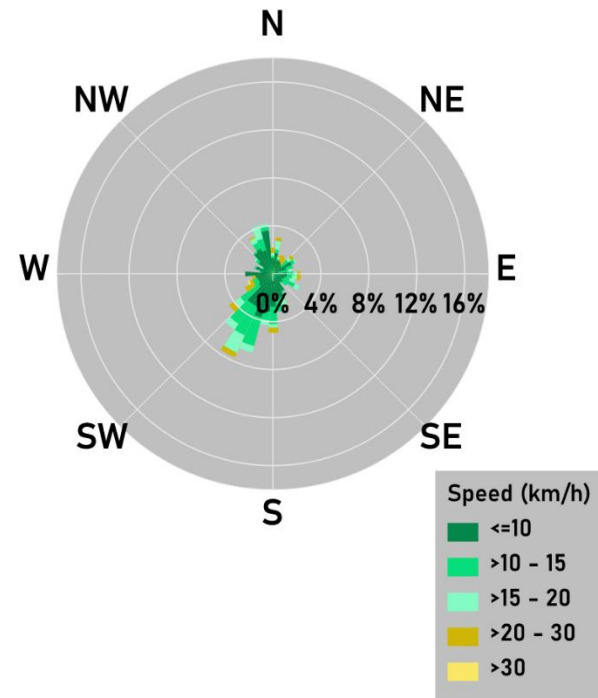
### NMHCs Canister Sampling Program

- No canister events were recorded in February.

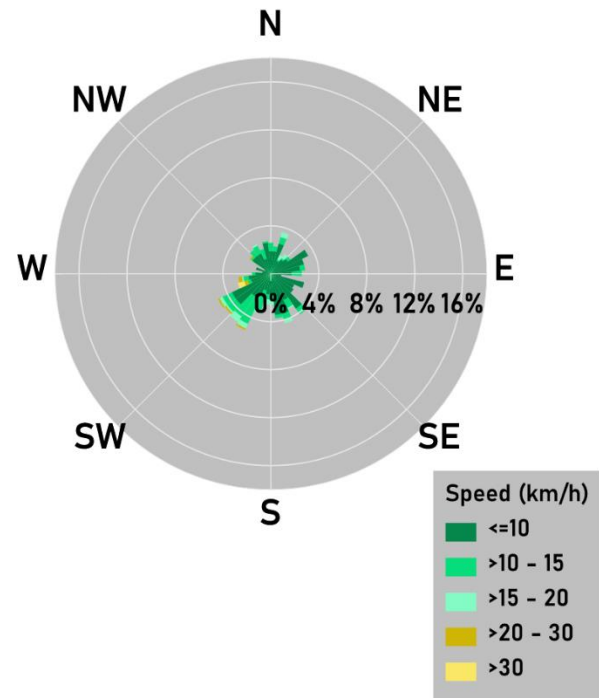


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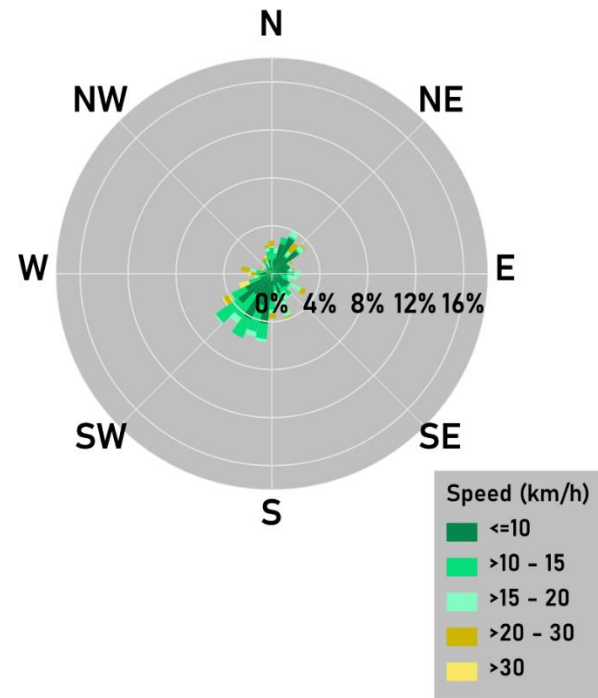
### 986-C Station



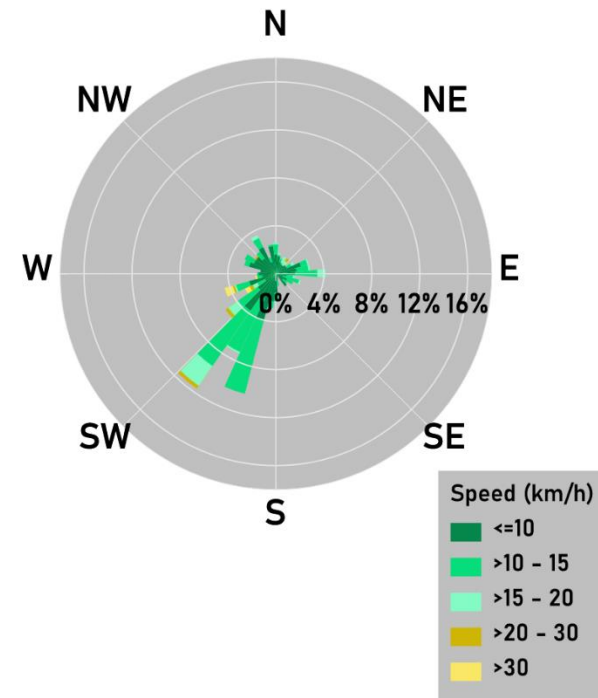
### 842-B Station



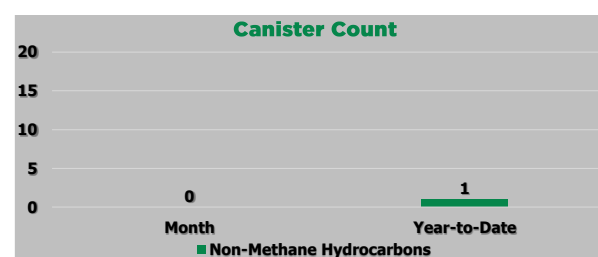
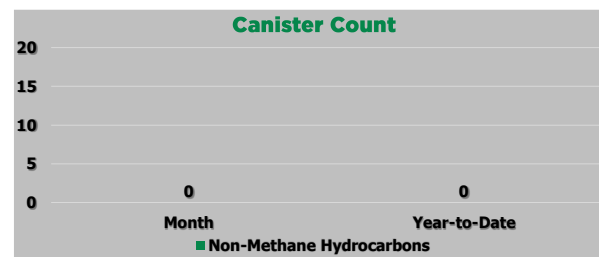
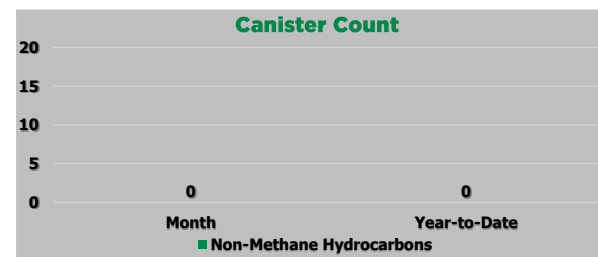
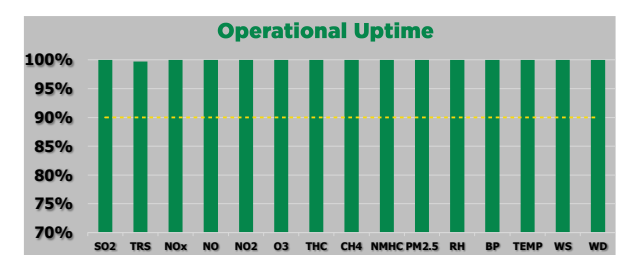
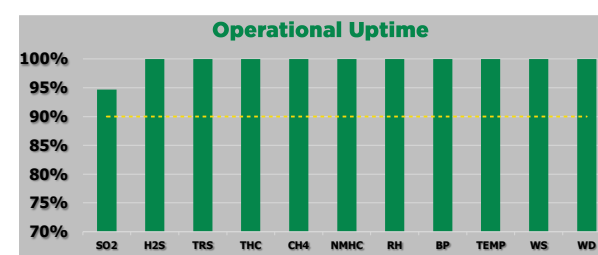
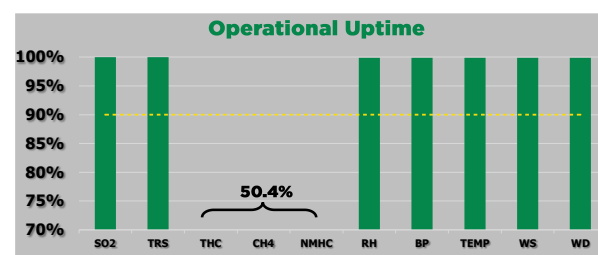
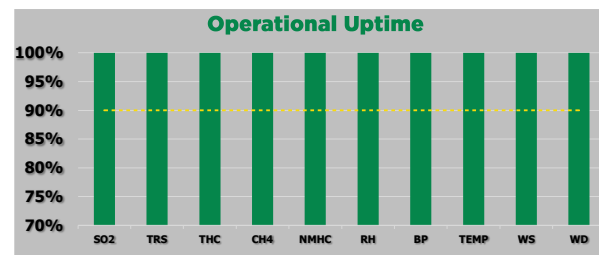
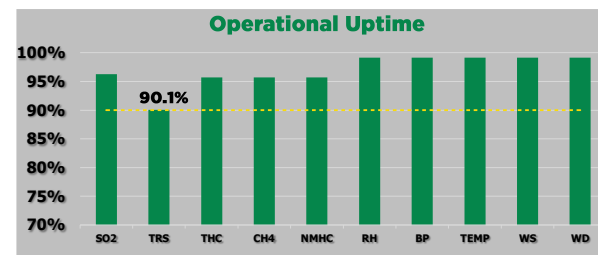
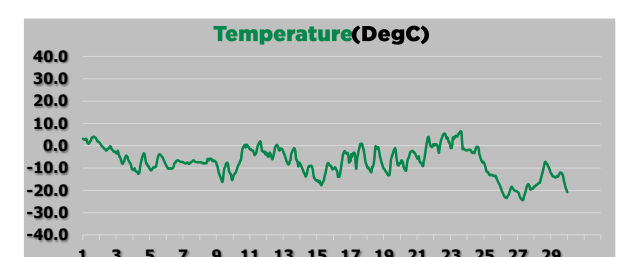
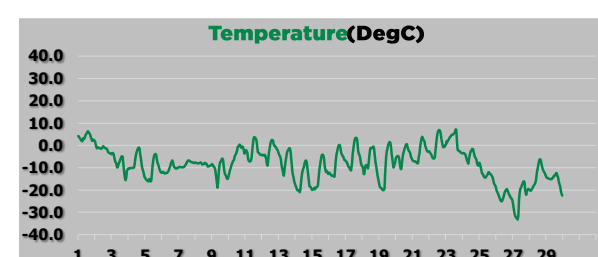
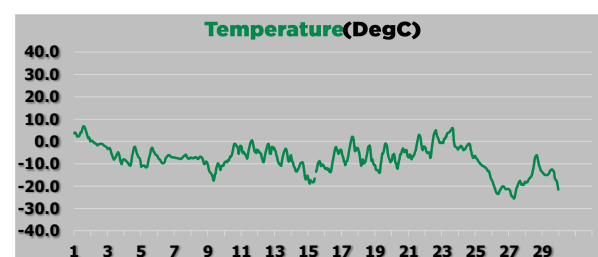
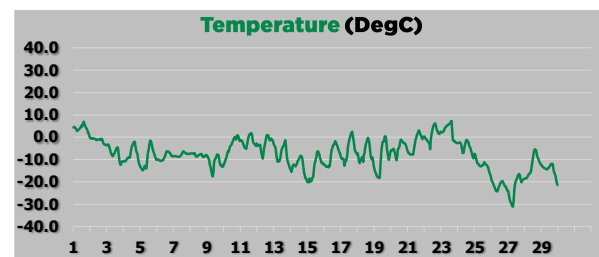
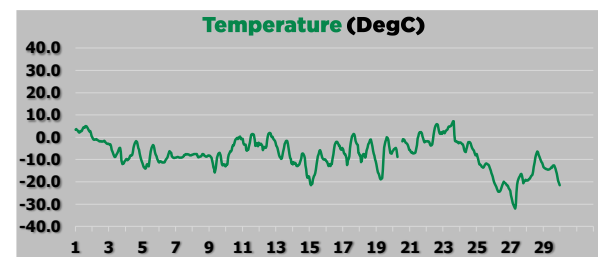
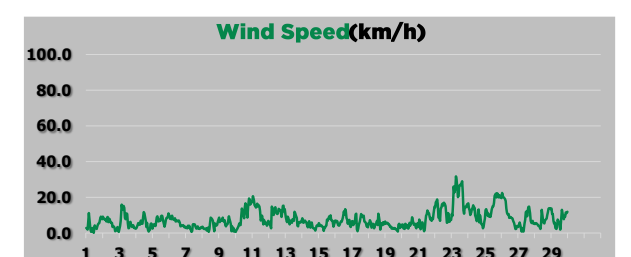
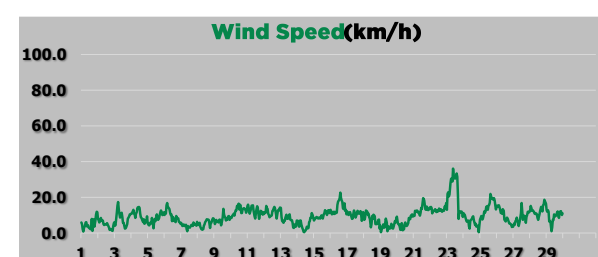
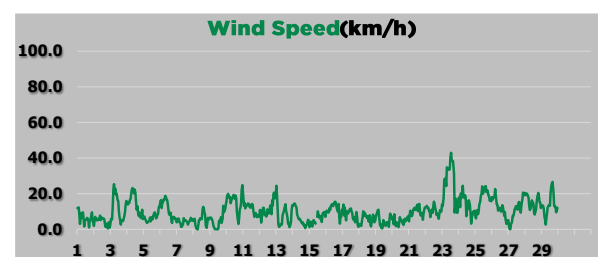
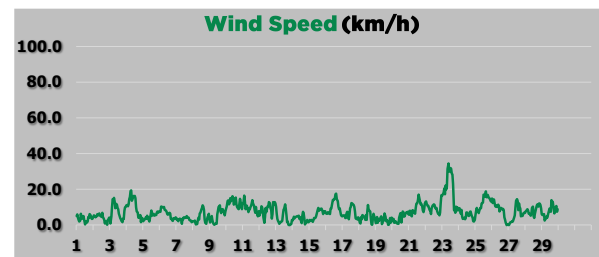
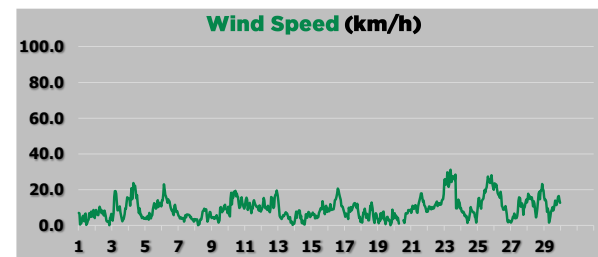
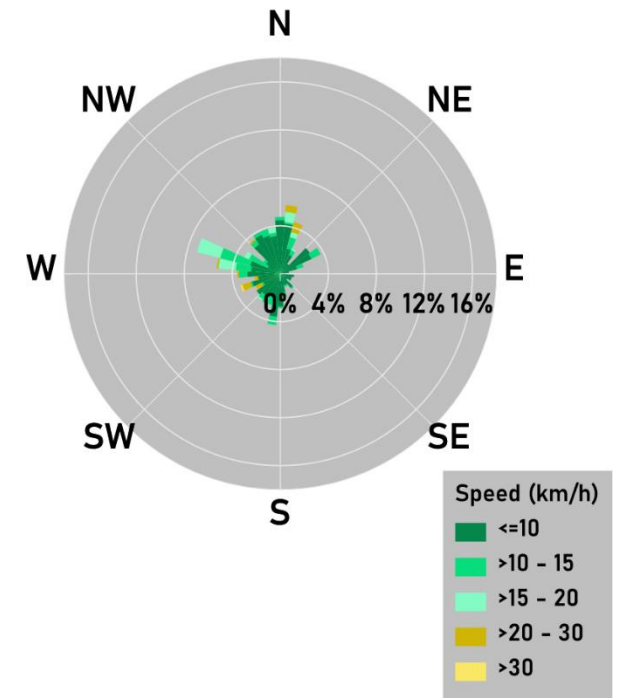
### Reno-B Station



### PRC Station



### AQHI Station - Grimshaw



**Targets, Guidelines, and Objectives**  
 Sulphur Dioxide 1h AAAQO = 172 ppb  
 Ozone 1h AAAQO = 76 ppb  
 Particulate Matter (PM<sub>2.5</sub>) 1h AAAQO = 80 ug/m<sup>3</sup>  
 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

