

# Community Air Sensor Pilot Installation SB/Muscoy AB617

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AB 617 - San Bernardino

AQY Network 1.0



AQY BD-1079 (AQY BD-1079)

AQY Network 1.0



AQY BD-1091 (AQY BD-1091)

AQY Network 1.0



**AQY BD-1093 (AQY BD-1093)**

**AQY Network 1.0**



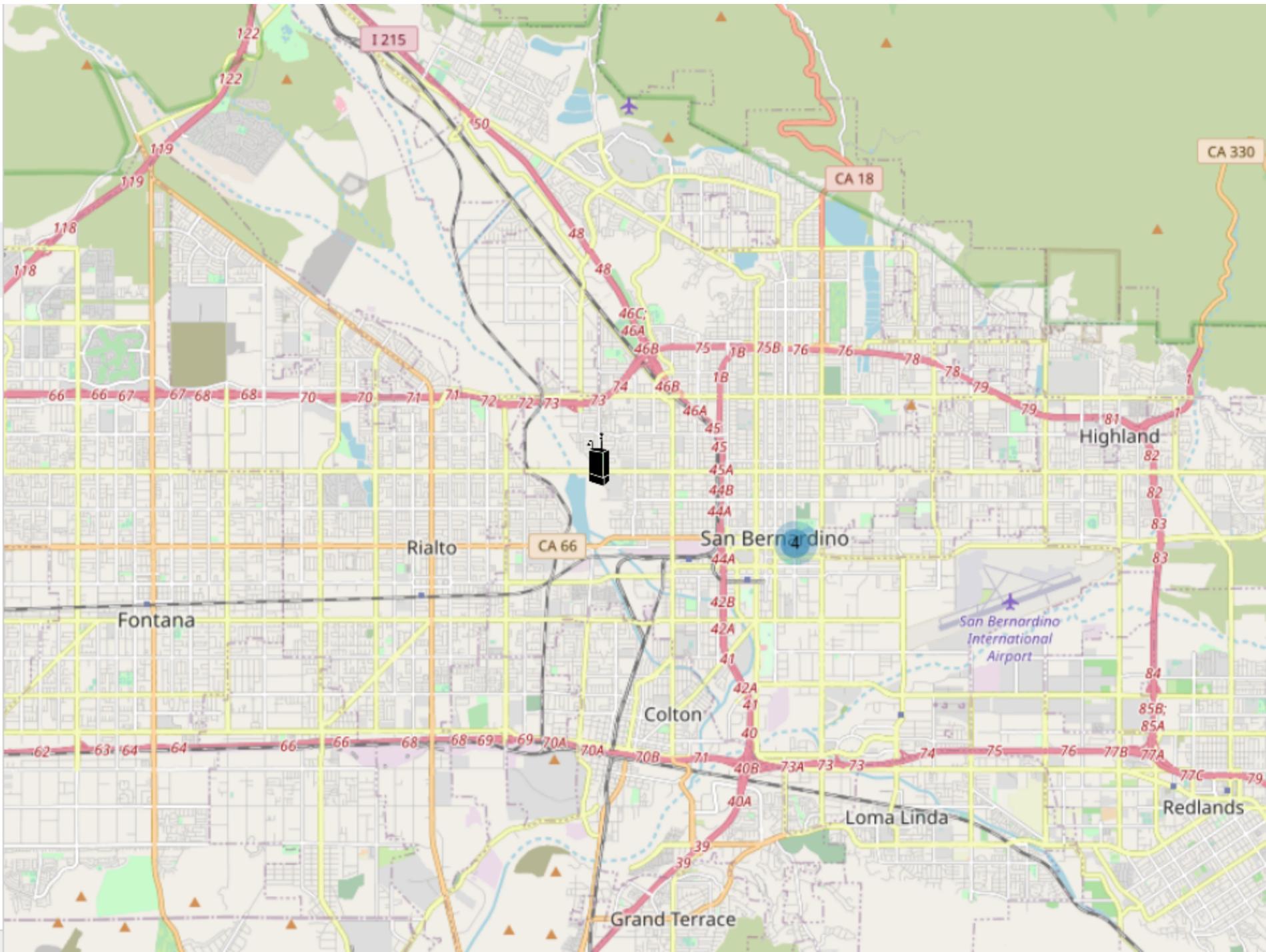
AQY BD-1096 (AQY BD-1096)

AQY Network 1.0



AQY BD-1100 (AQY BD-1100)

AQY Network 1.0



**NO2** ppb

Nitrogen Dioxide



**O3** ppb

Ozone



**PM2.5**  $\mu\text{g}/\text{m}^3$

Particulate matter 2.5



**TEMP**  $^{\circ}\text{C}$



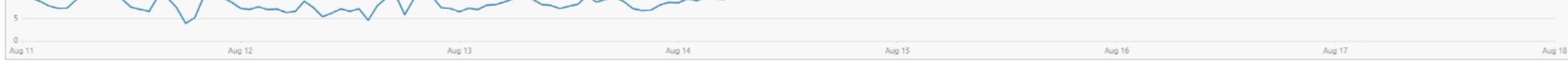
**RH** %

Relative Humidity



**DP**  $^{\circ}\text{C}$

DewPoint



# Recommendations and Lessons Learned

- Data access and Understanding
  - Accessible via a website specific to the SB AB617 community.
  - Working to make a user friendly data platform for accessible data.
    - Multiple age groups can access.
  - Need community training curriculum.
- Data Output
  - Need reference lines for Primary Standards.
    - 24 hour, 1 hour or 8 hour.
  - It is possible to build an AQI from the PM2.5, NO2 and Ozone readings.
- San Bernardino has older buildings infrastructure challenges
  - Many do not have outside electrical access.
  - A solar panel will allow installation on a pole or wood structure.
- Installation kit
  - Bring a drill, enough screws, long power cord, zip ties, cable nails to route power cord. Plan for 2 hours at each site.

# Next Sites

- ChICCCAA (Planned)
- AKOMA (Installed)
- SACH clinic Garden
  - Near Airport (Planned)
- Muscoy (Goal)
- Near Railyard (Goal)
- AB617 EJ Community Households (Planned)

**Collaboration with new sites  
& community projects**

