



Air

Status of Fine Particulate Matter in B.C. (2011-2013)

British Columbia operates a network of air monitoring stations that measure fine particulate matter and other air pollutants. This indicator reports on the concentration of fine particulate matter from 2011-2013 and compares it to the [Canadian Ambient Air Quality Standards \(CAAQS\)](#) developed by the [Canadian Council of Ministers of the Environment](#).

Fine Particulate Matter Canadian Ambient Air Quality Standards (CAAQS)

- The **PM_{2.5} 24-hour metric** should be lower than **28 µg/m³**. The PM_{2.5} 24-hour metric is the 3-year average of the annual 98th percentile of the daily 24-hour average concentration.
- The **PM_{2.5} annual metric** should be lower than **10.0 µg/m³**. The PM_{2.5} annual metric is the 3-year average of the annual average concentration.

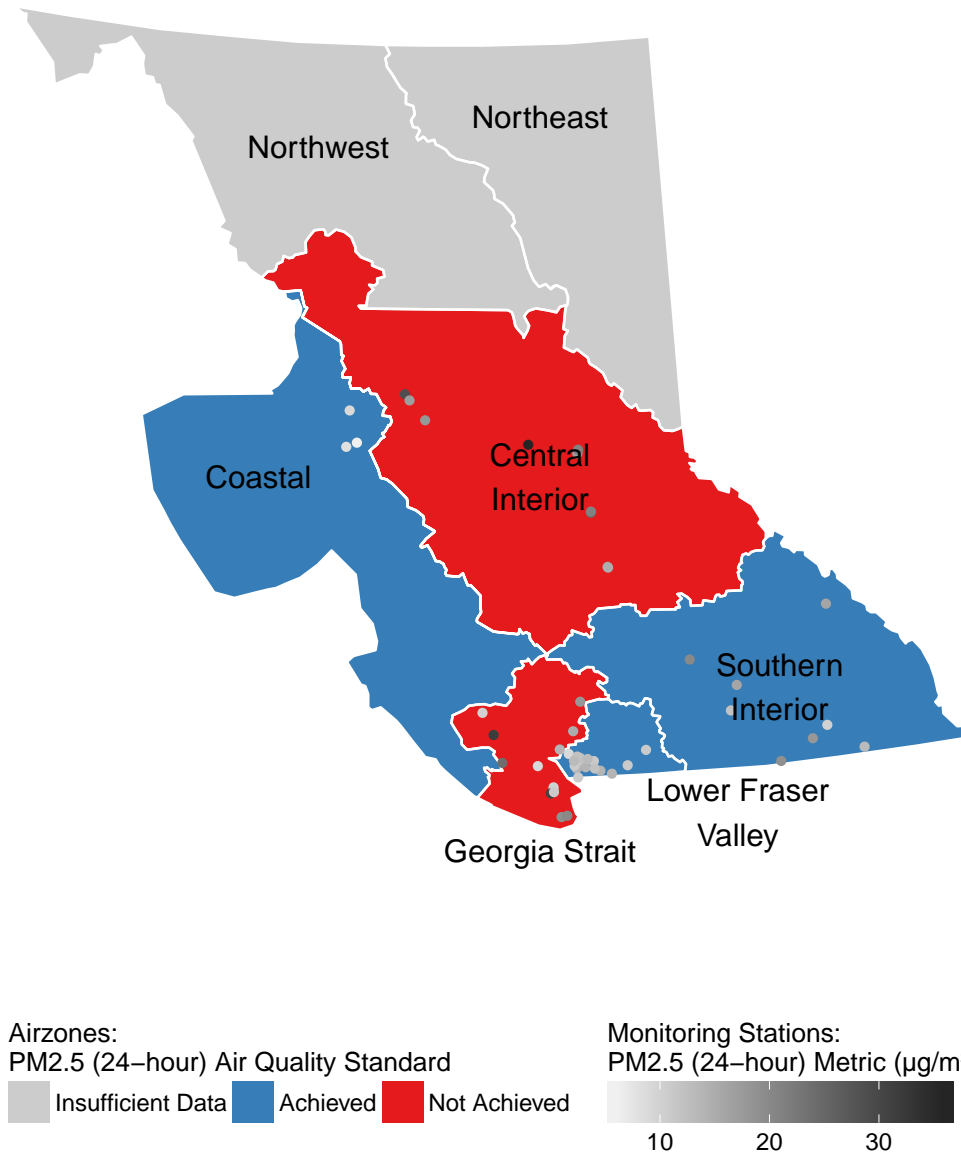
[Learn more about CAAQS fine particulate matter metric calculations.](#)

- **Fine particulate matter is an air pollutant.** Solid or liquid particles floating in the air are called particulate matter. The smallest of these particles - those that are 2.5 microns or less in diameter, or less than 1/20th the width of a human hair - are called fine particulate matter. Fine particulate matter comes from many natural and human activities, including wildfires and emissions from prescribed burning, forestry operations, residential woodstoves, and transportation¹.
- **Fine particulate matter can be harmful to humans.** Exposure to fine particulate matter has been associated with several serious health effects including heart and lung disease¹. Both short-term (24-hour) and longer-term (a year or more) exposure to fine particulate matter can have negative effects on human health.
- **Fine particulate matter levels met the standard for the CAAQS measures at 46 of the 50 assessed monitoring stations in B.C.** The two PM_{2.5} CAAQS metrics exceeded the Canadian Ambient Air Quality Standard at two of the 50 stations (4%). The PM_{2.5} 24-hour metric exceeded the standard at an additional two stations (4%). Across all 50 stations the PM_{2.5} 24-hour metric ranged from 6 to 36 micrograms per cubic meter of air (µg/m³). The PM_{2.5} annual metric ranged from 1.6 to 10.8 µg/m³.

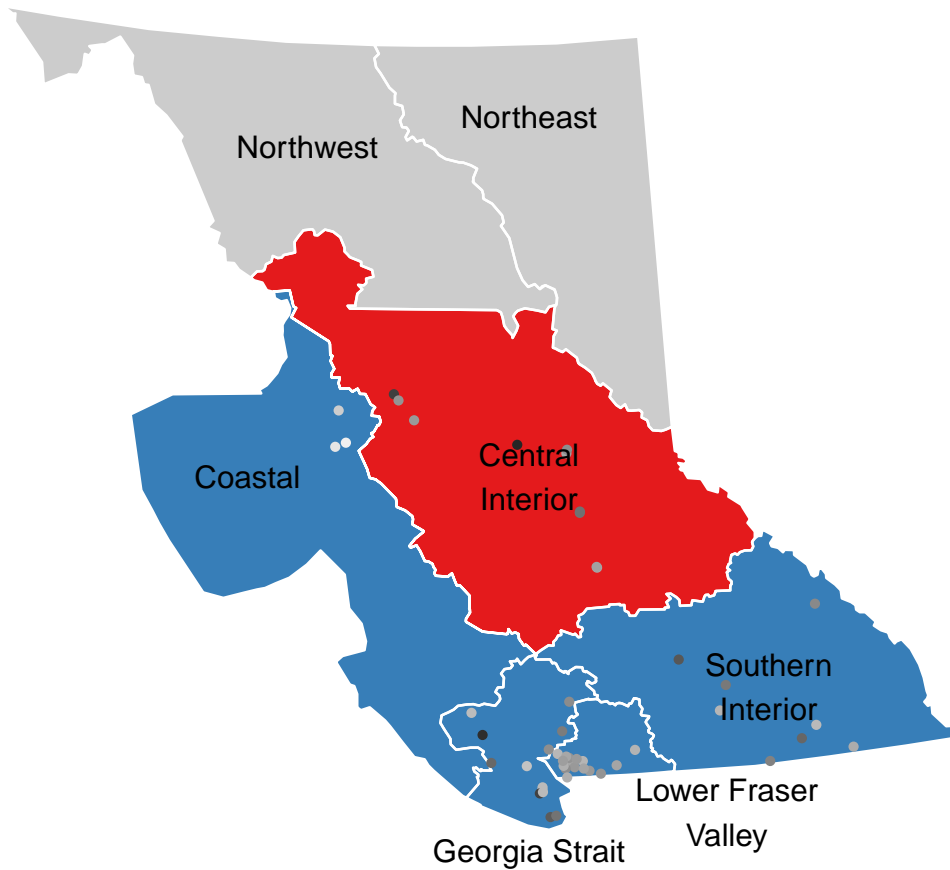
- **Two of B.C.'s seven air zones met the Canadian Ambient Air Quality Standard for both fine particulate matter metrics.** One air zone met the standard for the annual metric only and two air zones exceeded the standards for both metrics. There was not enough data to estimate the CAAQS PM_{2.5} metrics for the remaining two air zones for this reporting period.
- **CAAQS fine particulate matter metrics are used to set management levels for each air zone.** Four management levels (green, yellow, orange, and red) are each associated with a suite of actions that become more rigorous as fine particulate matter metric values approach the Canadian Ambient Air Quality Standards.

The maps and chart below summarise the Canadian Ambient Air Quality Standard (CAAQS) achievement status for fine particulate matter in B.C. air zones, as well as both the annual and 24-hour CAAQS PM_{2.5} metric values at individual monitoring stations. Summaries are given for each monitoring station where sufficient data was available for the 2011-2013 reporting period.

Status of 24-hour PM_{2.5} Levels in B.C. Air Zones (2011–2013)




Status of Annual PM_{2.5} Levels in B.C. Air Zones (2011–2013)



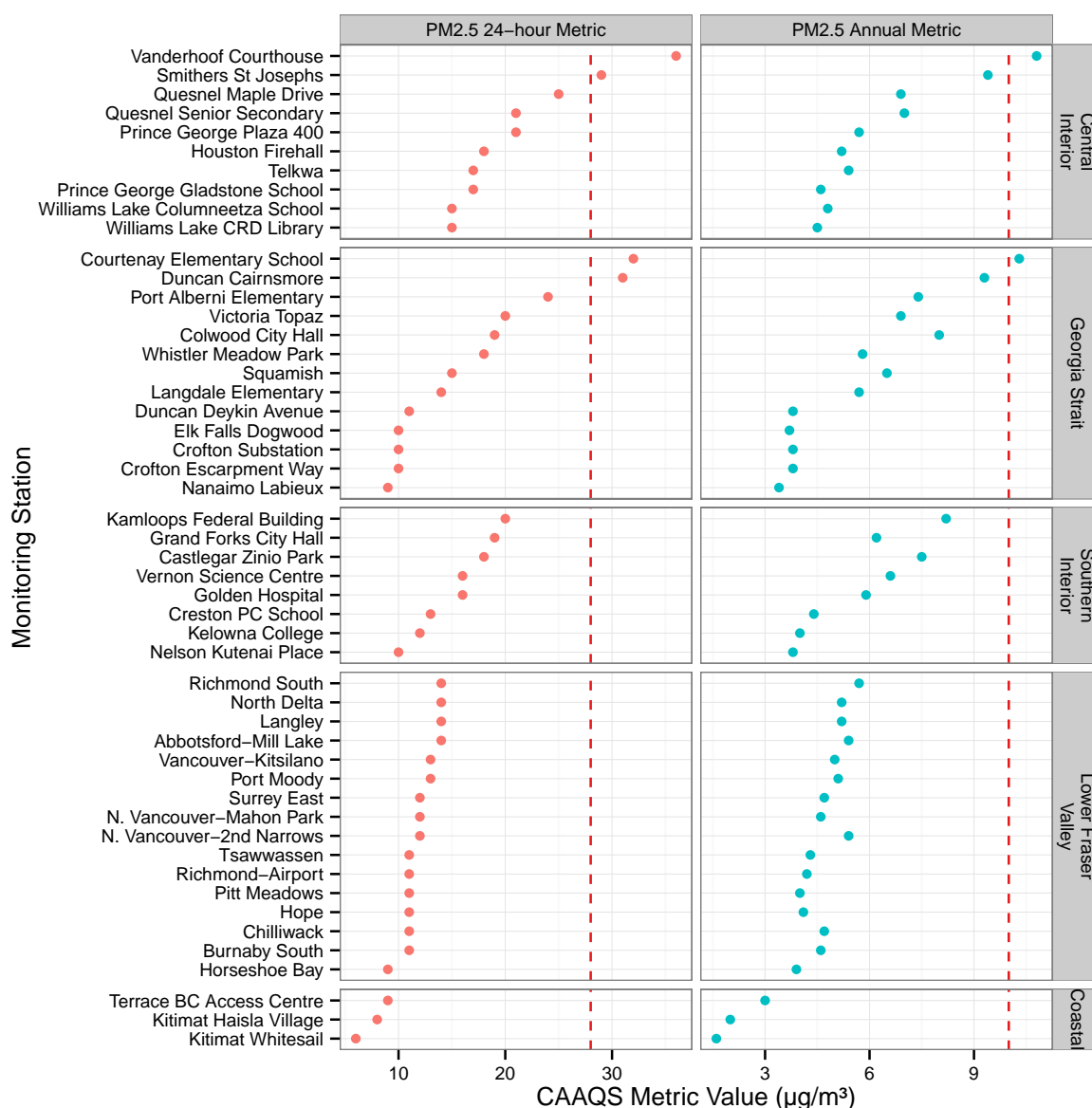
Airzones:
PM2.5 (annual) Air Quality Standard

- Insufficient Data
- Achieved
- Not Achieved

Monitoring Stations:
PM2.5 (annual) Metric ($\mu\text{g}/\text{m}^3$)



2 4 6 8 10



More about the CAAQS fine particulate matter metrics:

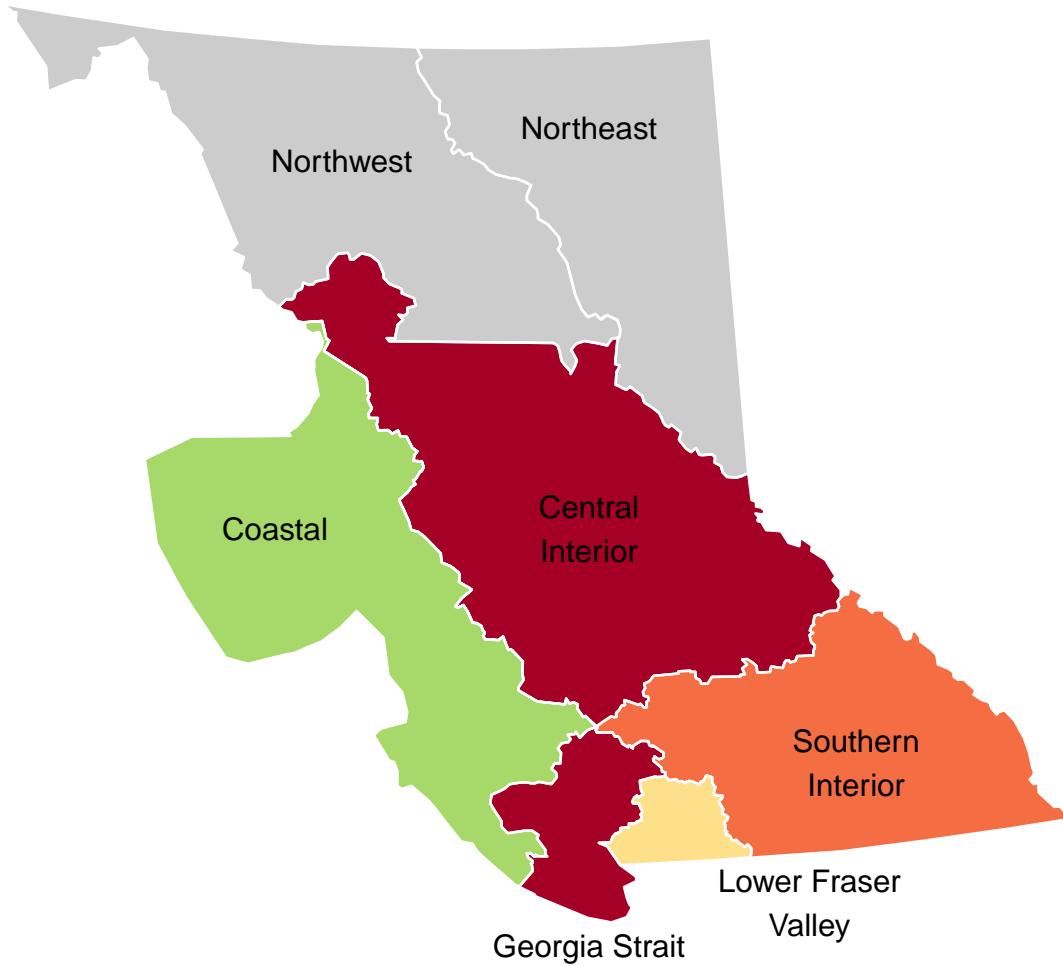
- There are two CAAQS metrics for fine particulate matter (PM_{2.5}): PM_{2.5} 24-hour, 3-year average of the annual 98th percentile of the daily 24-hour average concentrations of PM_{2.5}, and PM_{2.5} annual, the 3-year average of the annual average concentration of PM_{2.5}.
- PM_{2.5} levels for an air zone are the highest CAAQS PM_{2.5} metric values reported from monitoring stations within the air zone. However, stations with metric values based on only two years of data are excluded for consideration of the *air zone* metric value.

- Only air monitoring stations with sufficient data on fine particulate matter concentrations for the 2011-2013 reporting period were included in this indicator. Visit [BC Air Quality](#) for a complete list of air monitoring stations across B.C.
- Data completeness and sufficiency criteria for the CAAQS PM_{2.5} metrics are described in the [Guidance Document on Achievement Determination: Canadian Ambient Air Quality Standards for Fine Particulate Matter and Ozone \(2012\)](#)






Canada-wide Air Quality Management System

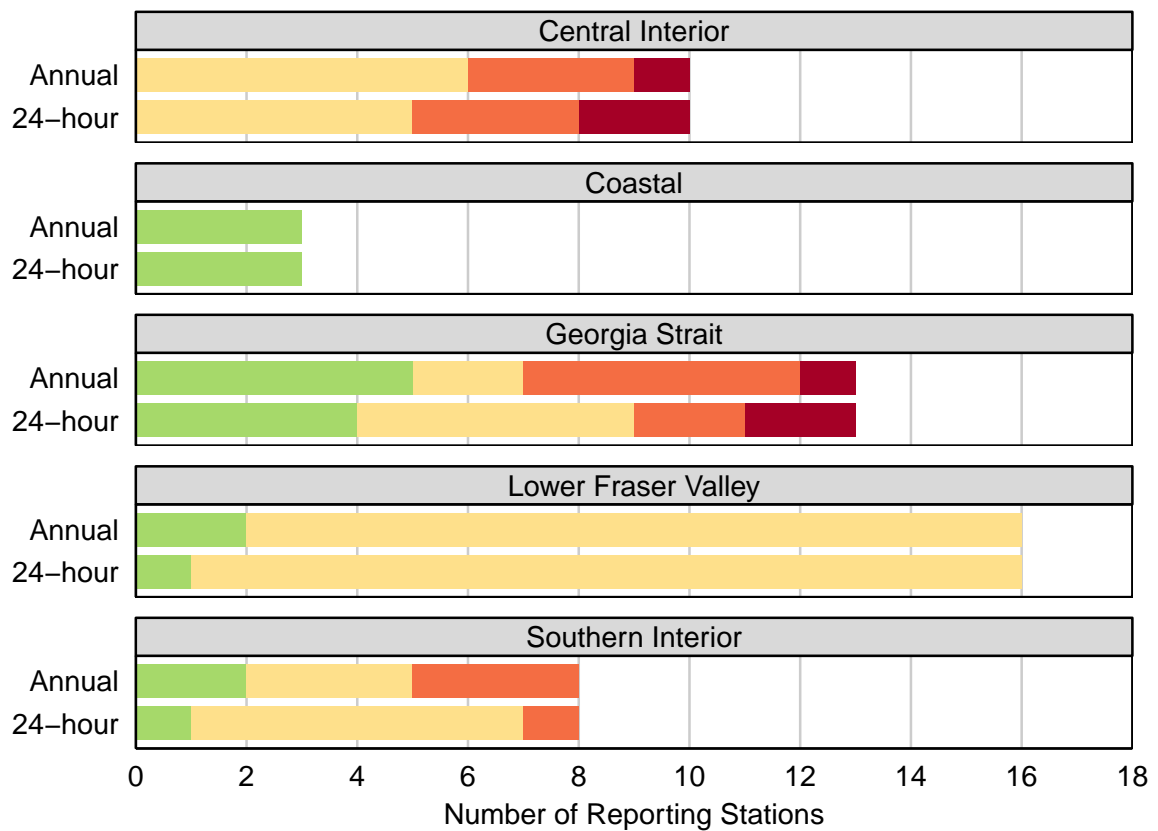
The Air Quality Management System (AQMS) is Canada's approach for protecting air quality. Under the AQMS, provinces and territories monitor, report and manage local air quality within air zones, with the goal of continuously improving air quality and keeping pollutants below the Canadian Ambient Air Quality Standards (CAAQS).

- Provinces and territories establish air zones that are defined by a similar set of air quality characteristics, issues and trends.
- There are seven air zones in British Columbia: Coastal, Georgia Strait, Lower Fraser Valley, Southern Interior, Central Interior, Northeast and Northwest.
- The Air Zone Management Framework defines management levels based on the highest annual and 24-hour CAAQS fine particulate matter metric values reported from monitoring stations within the air zone. Concluding air zone management levels for PM_{2.5} are based on the higher of the PM_{2.5} annual and the PM_{2.5} 24-hour management levels.
- The four management levels are (1) green (actions for keeping clean areas clean); (2) yellow (actions for preventing air quality deterioration); (3) orange (actions for preventing CAAQS exceedance); and (4) red (actions for achieving air zone CAAQS). Each management level is associated with a suite of actions that become more rigorous as fine particulate matter concentration levels approach the CAAQS.
- Based on the highest annual and 24-hour CAAQS fine particulate matter metric values reported within each air zone, the Central Interior and Georgia Strait air zones were assigned to a red management level (actions for achieving air zone CAAQS); the Lower Fraser Valley air zones was assigned to a yellow management level (actions for preventing air quality deterioration); the Southern Interior air zone to an orange management level (actions for preventing CAAQS exceedance); and the Coastal air zone was assigned to a green air zone (actions for keeping clean areas clean). Due to insufficient data, particulate management levels in the Northwest and Northeast air zones are yet to be determined.
- Actions for each management level are detailed in the CCME [Guidance Document on Air Zone Management \(2012\)](#).



Air Zone Management Levels

-  Actions for Achieving Air Zone CAAQS
-  Actions for Preventing CAAQS Exceedance
-  Actions for Preventing Air Quality Deterioration
-  Actions for Keeping Clean Areas Clean
-  Insufficient Data



More about the AQMS management levels:

- There can be cases when an air zone does not achieve a given CAAQS because of sources over which jurisdictions have little or no control, such as those related to transboundary flows and exceptional events like forest fires.
- Before determining management levels, jurisdictions have the option of adjusting their air zone metric values to remove such external influences. These arrangements aim to ensure that jurisdictions are responsible for managing only the emissions sources they can control.
- In B.C., wildfires are generally the largest contributor to transboundary flows and exceptional events. However, the highest fine particulate matter levels for the 2011-2013 reporting period occurred outside of the historic wildfire season. Thus, the exceedances of the PM_{2.5} CAAQS are not believed to be a result of transboundary flows and exceptional events. Air zone management levels for fine particulate matter were thus determined directly from the CAAQS fine particulate matter metrics with no adjustments for this reporting period.

Methods

The methods used to develop this indicator- including procedures, data requirements, and calculation of the CAAQS fine particulate matter metrics-are detailed in the [Guidance Document on Achievement Determination: Canadian Ambient Air Quality Standards for Fine Particulate Matter and Ozone \(2012\)](#) (PDF) published by the [Canadian Council of Ministers of the Environment \(CCME\)](#). **R package and code:** We have developed an R package to facilitate the calculation of air quality metrics according to the Canadian Ambient Air Quality Standards [CAAQS](#). Download the 'rcaaqs' package from [GitHub](#). The source code for repeating the analysis presented on this page is also available on [GitHub](#).

References and Other Useful Links

Visit [BC Air Quality](#) for more information on the implementation of the AQMS in B.C., and to read individual Air Zone reports on the achievement of CAAQS for ground-level ozone and fine particulate matter.

Access [B.C.'s Air Quality Readings](#) for real-time data on air pollutants and locations of all air monitoring stations in B.C.

For more details on the CAAQS and Canada's Air Quality Management System visit [Canada-wide Air Quality Management System \(AQMS\)](#)

[BC Lung Association's BC State of the Air Reports](#).

[Canadian Environmental Sustainability Indicators: Air and Climate Indicators](#)

¹[B.C. Air Action Plan \(June 2008\)](#) (PDF, 1.1MB)

Data

*By accessing these datasets, you agree to the license associated with each file, as indicated in parentheses below.

- [Indicator data: BC Fine Particulate Matter CAAQS 2011-2013](#) (License: [B.C. OGL](#))
- [BC PM2.5 Hourly](#) (License: [B.C. OGL](#))
- [BC Air Monitoring Stations](#) (License: [B.C. OGL](#))
- [BC Air Zones](#) (License: [B.C. OGL](#))

Published and Available On-Line at Environmental Reporting BC (August 2015): http://www.env.gov.bc.ca/soe/indicators/air/fine_pm.html

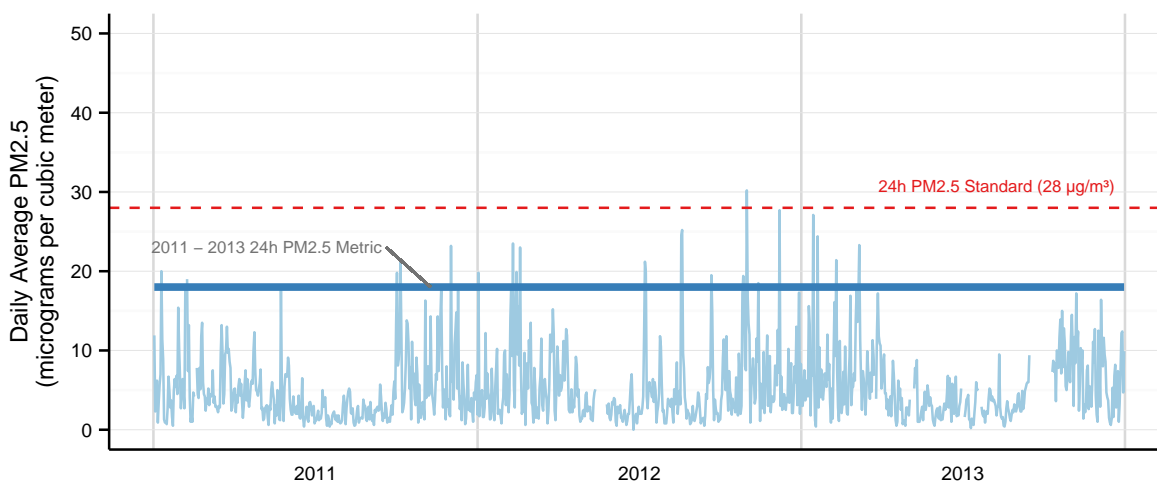
Email correspondence to: envreportbc@gov.bc.ca

Appendix: Detailed CAAQS results for each monitoring station within air zones in B.C.

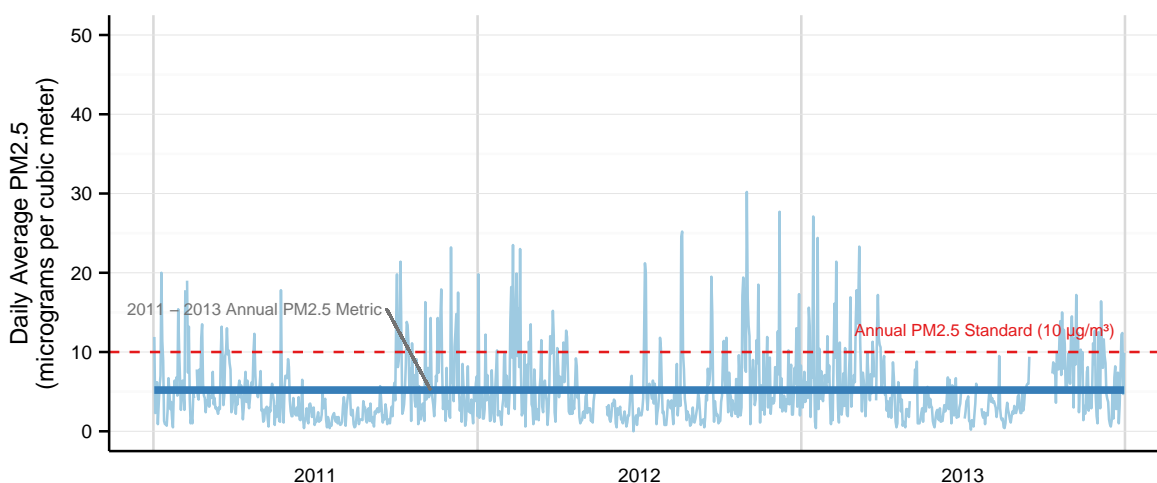
Central Interior Air Zone

Houston Firehall monitoring station

PM2.5 24-hour Air Quality Standard: Achieved
PM2.5 24-hour Metric: 18 $\mu\text{g}/\text{m}^3$ (3 year average)



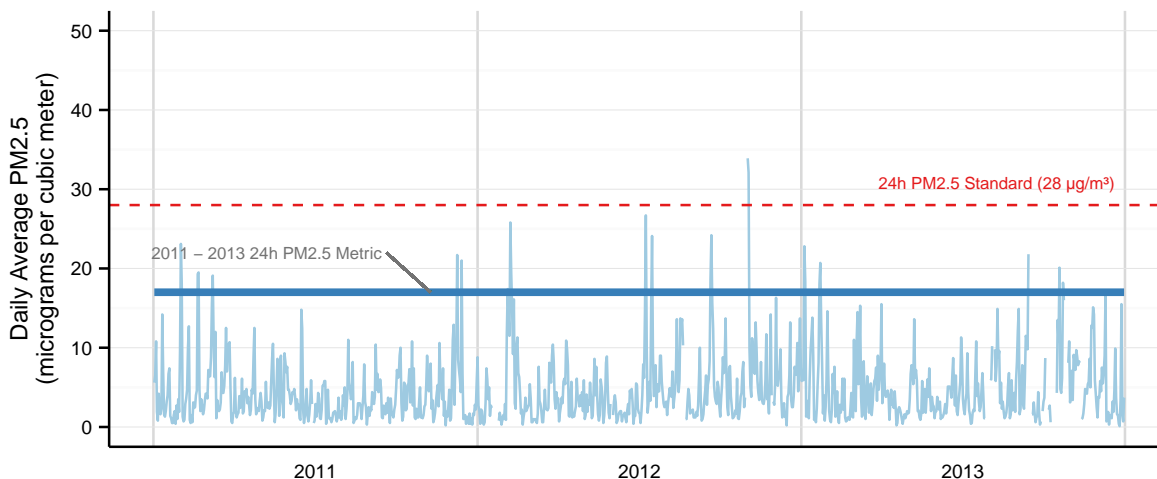
PM2.5 Annual Air Quality Standard: Achieved
PM2.5 Annual Metric: 5.2 $\mu\text{g}/\text{m}^3$ (3 year average)



Prince George Gladstone School monitoring station

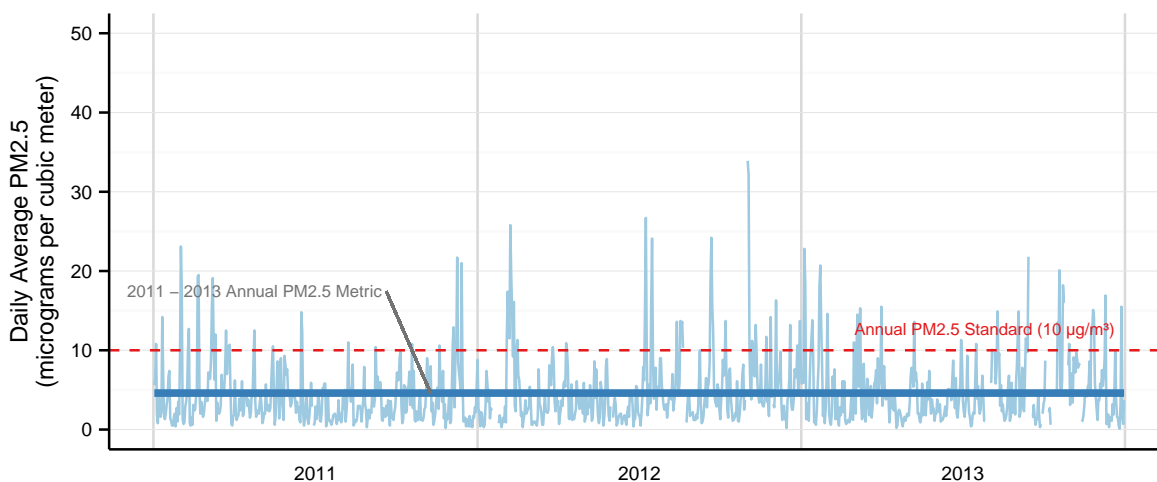
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 17 $\mu\text{g}/\text{m}^3$ (3 year average)



PM2.5 Annual Air Quality Standard: Achieved

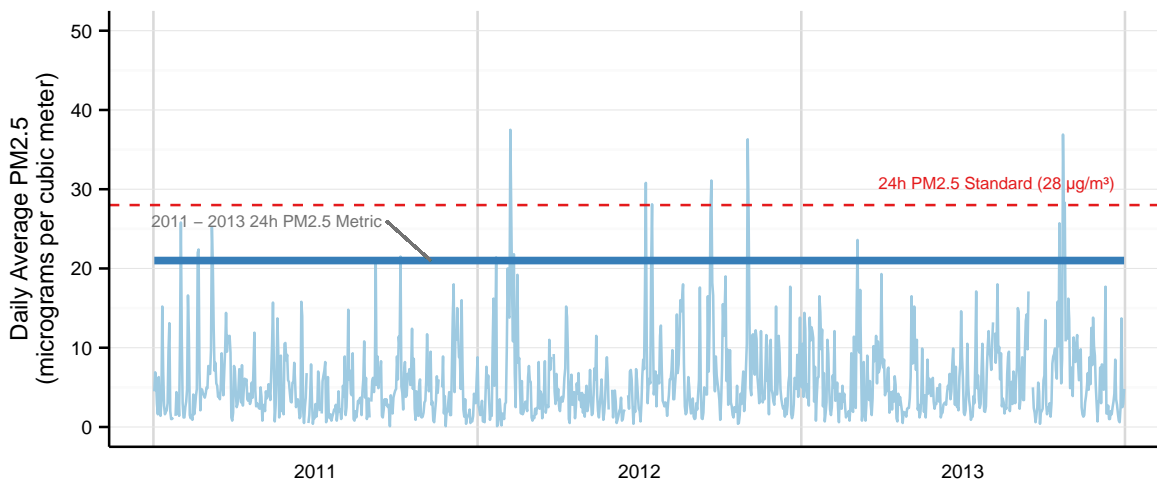
PM2.5 Annual Metric: 4.6 $\mu\text{g}/\text{m}^3$ (3 year average)



Prince George Plaza 400 monitoring station

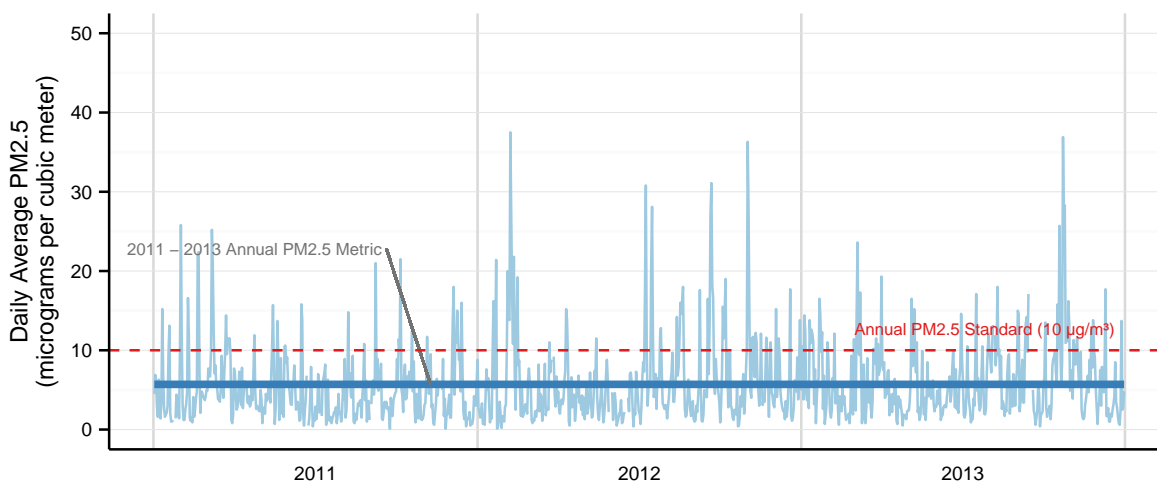
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 21 $\mu\text{g}/\text{m}^3$ (3 year average)



PM2.5 Annual Air Quality Standard: Achieved

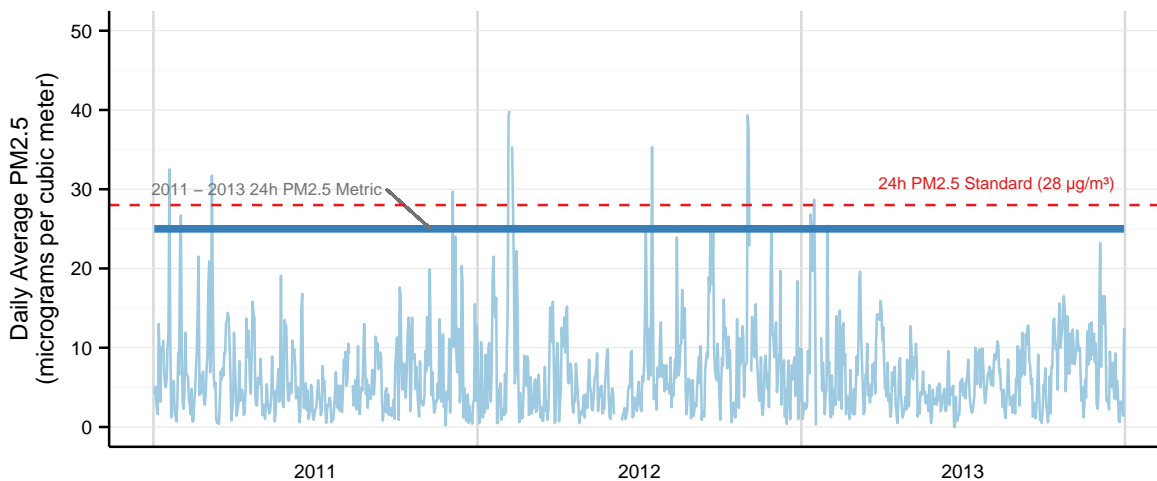
PM2.5 Annual Metric: 5.7 $\mu\text{g}/\text{m}^3$ (3 year average)



Quesnel Maple Drive monitoring station

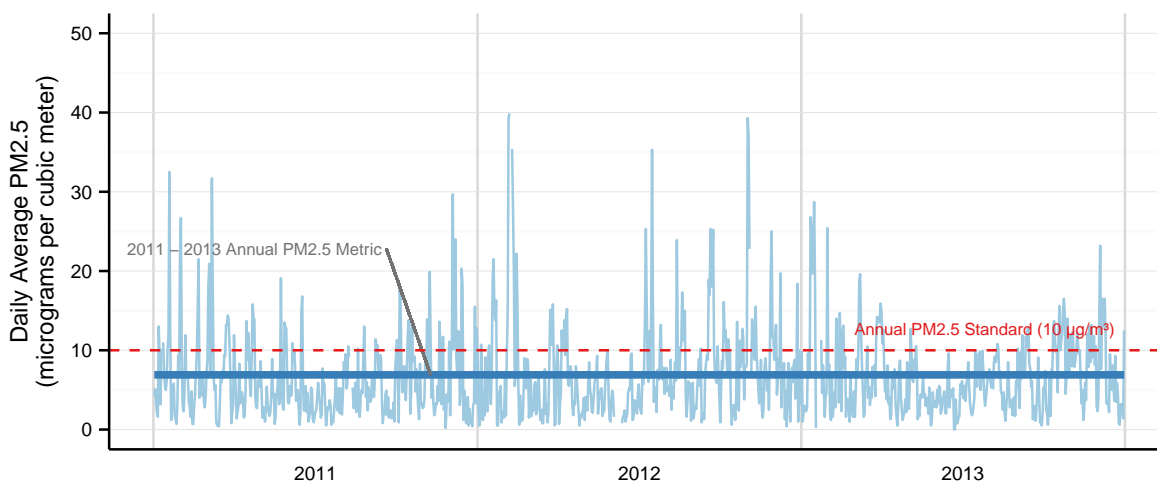
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 25 $\mu\text{g}/\text{m}^3$ (3 year average)



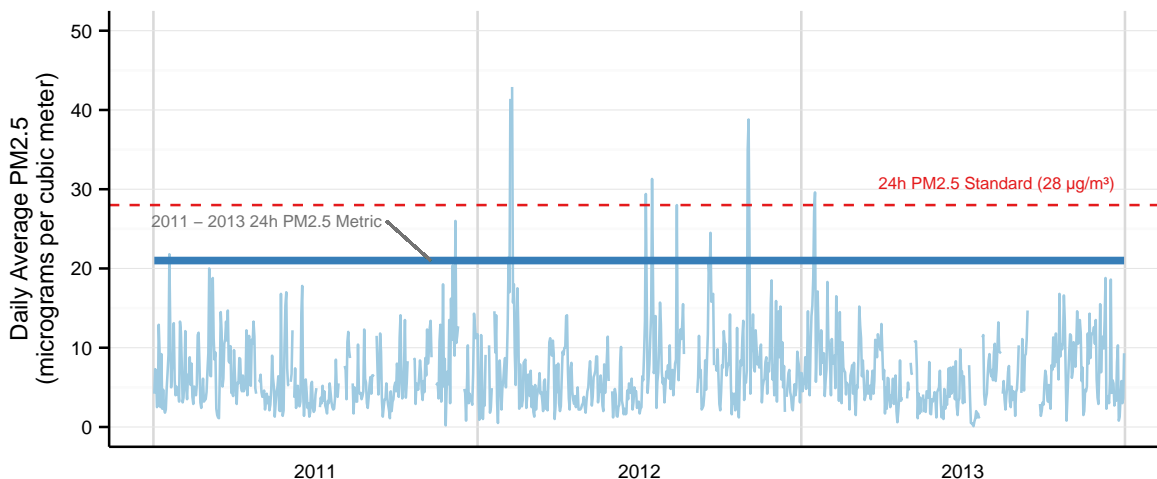
PM2.5 Annual Air Quality Standard: Achieved

PM2.5 Annual Metric: 6.9 $\mu\text{g}/\text{m}^3$ (3 year average)

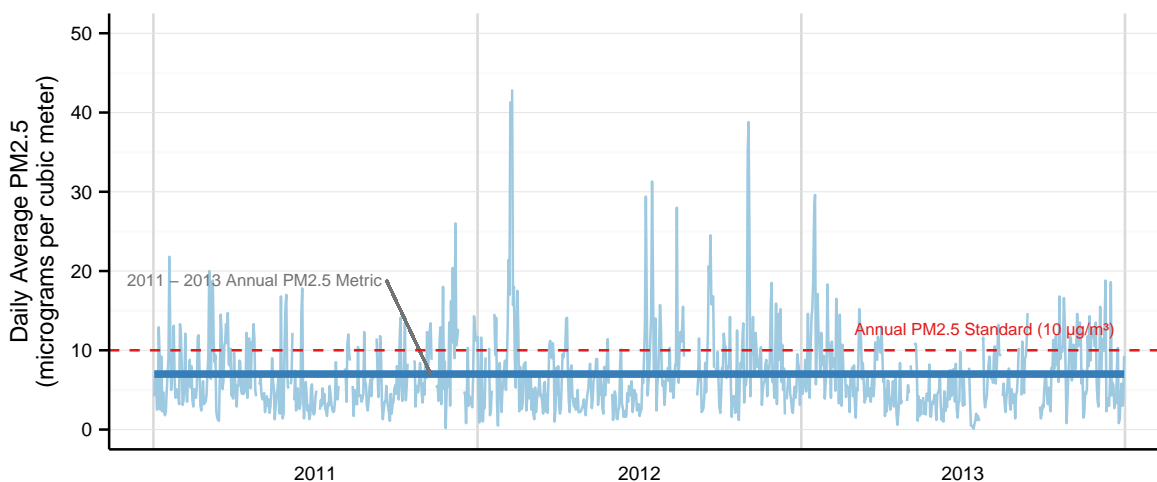


Quesnel Senior Secondary monitoring station

PM2.5 24-hour Air Quality Standard: Achieved
PM2.5 24-hour Metric: 21 $\mu\text{g}/\text{m}^3$ (3 year average)



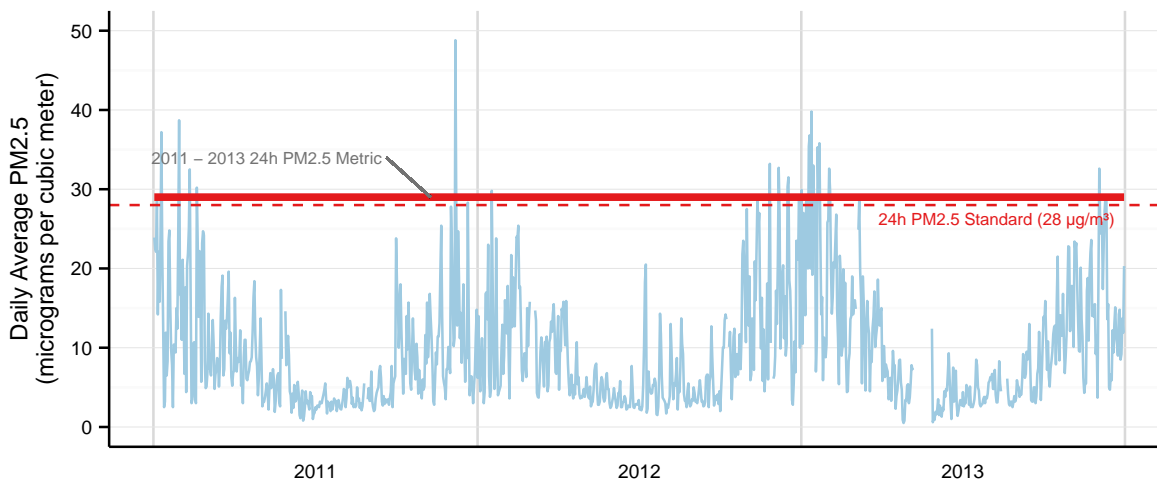
PM2.5 Annual Air Quality Standard: Achieved
PM2.5 Annual Metric: 7 $\mu\text{g}/\text{m}^3$ (3 year average)



Smithers St Josephs monitoring station

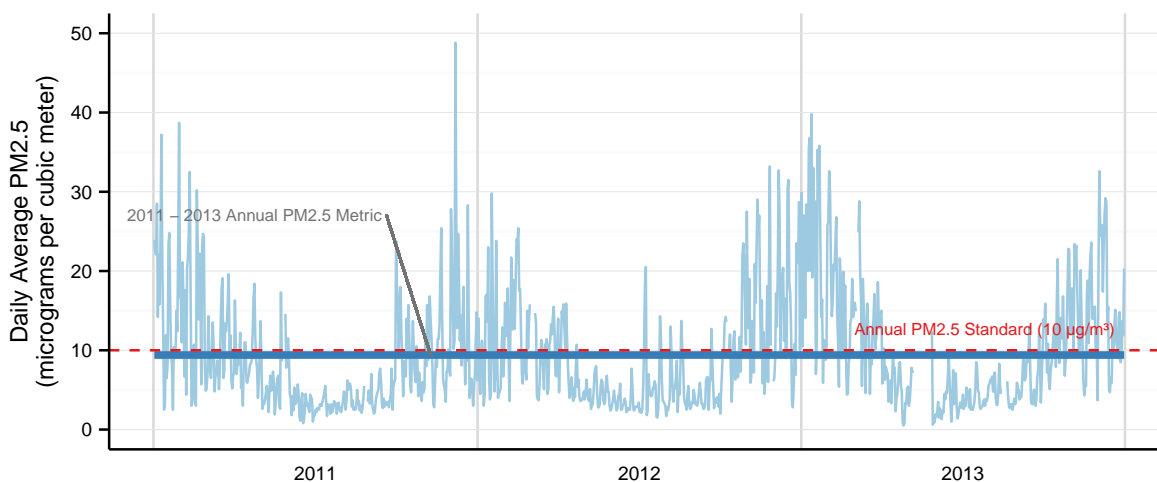
PM2.5 24-hour Air Quality Standard: Not Achieved

PM2.5 24-hour Metric: 29 $\mu\text{g}/\text{m}^3$ (3 year average)



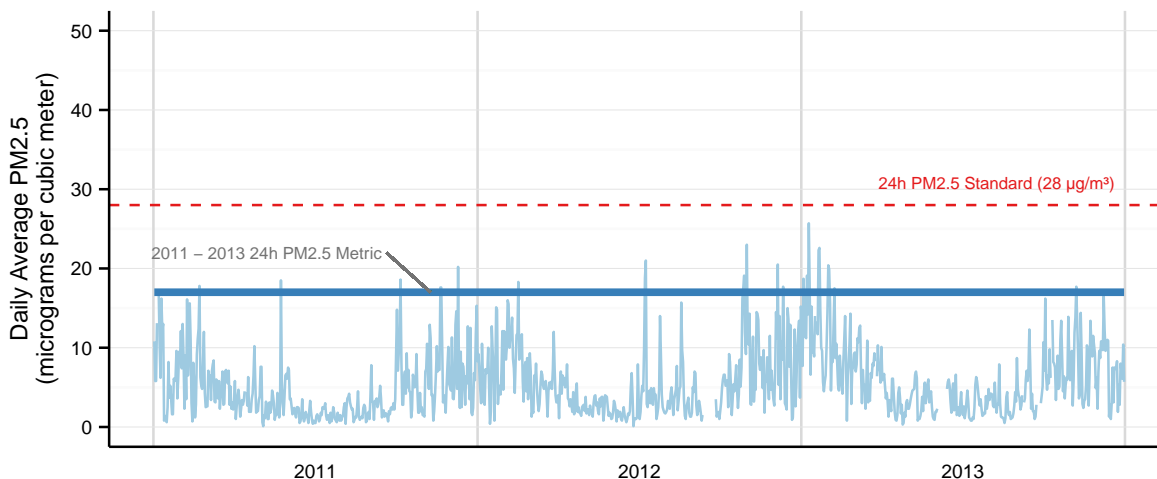
PM2.5 Annual Air Quality Standard: Achieved

PM2.5 Annual Metric: 9.4 $\mu\text{g}/\text{m}^3$ (3 year average)

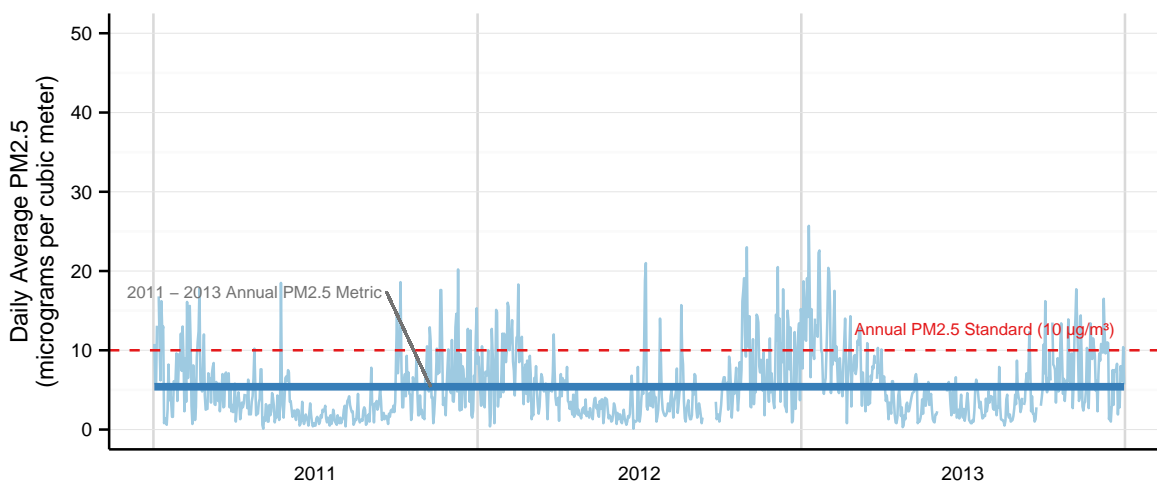


Telkwa monitoring station

PM2.5 24-hour Air Quality Standard: Achieved
PM2.5 24-hour Metric: 17 $\mu\text{g}/\text{m}^3$ (3 year average)



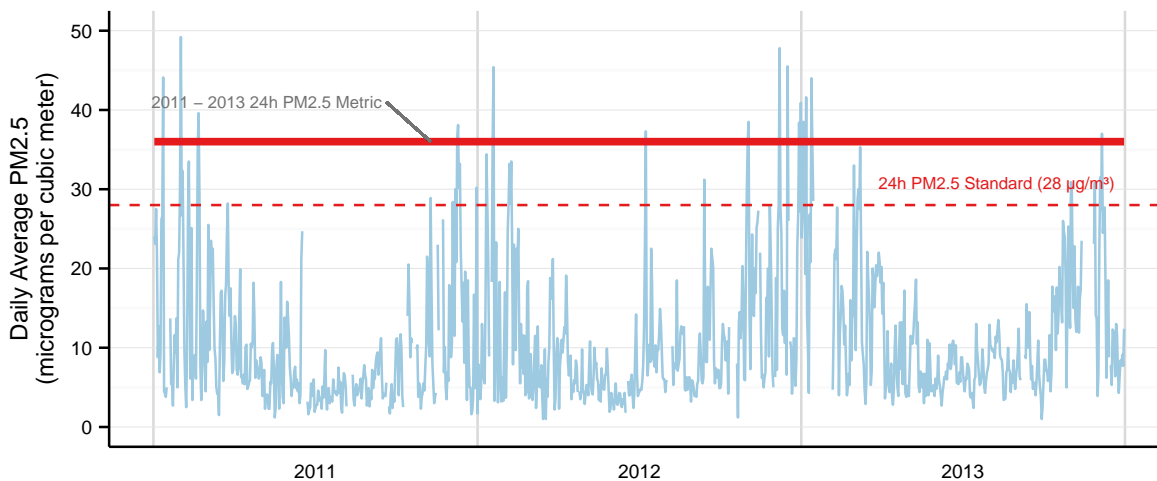
PM2.5 Annual Air Quality Standard: Achieved
PM2.5 Annual Metric: 5.4 $\mu\text{g}/\text{m}^3$ (3 year average)



Vanderhoof Courthouse monitoring station

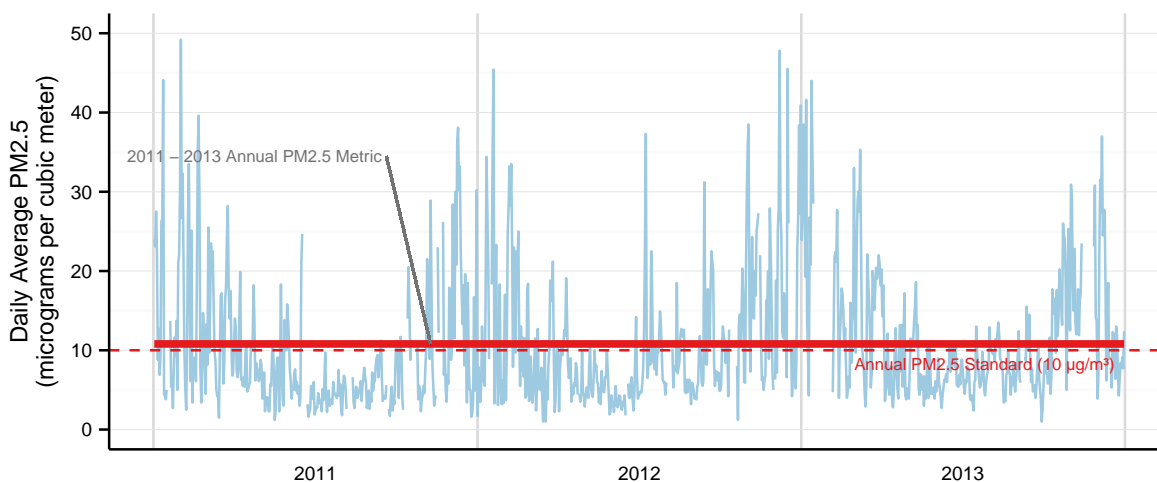
PM2.5 24-hour Air Quality Standard: Not Achieved

PM2.5 24-hour Metric: 36 $\mu\text{g}/\text{m}^3$ (3 year average)



PM2.5 Annual Air Quality Standard: Not Achieved

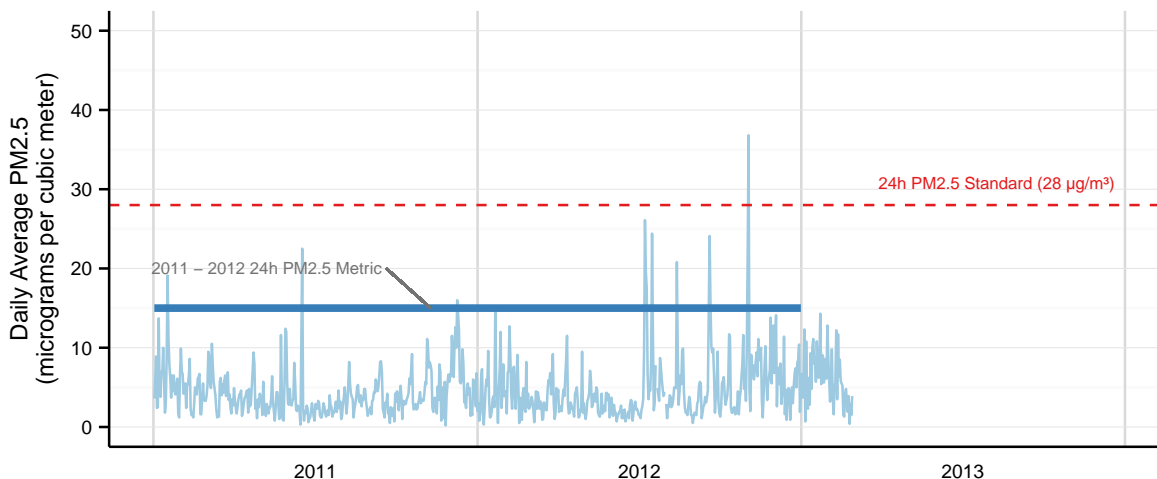
PM2.5 Annual Metric: 10.8 $\mu\text{g}/\text{m}^3$ (3 year average)



Williams Lake CRD Library monitoring station

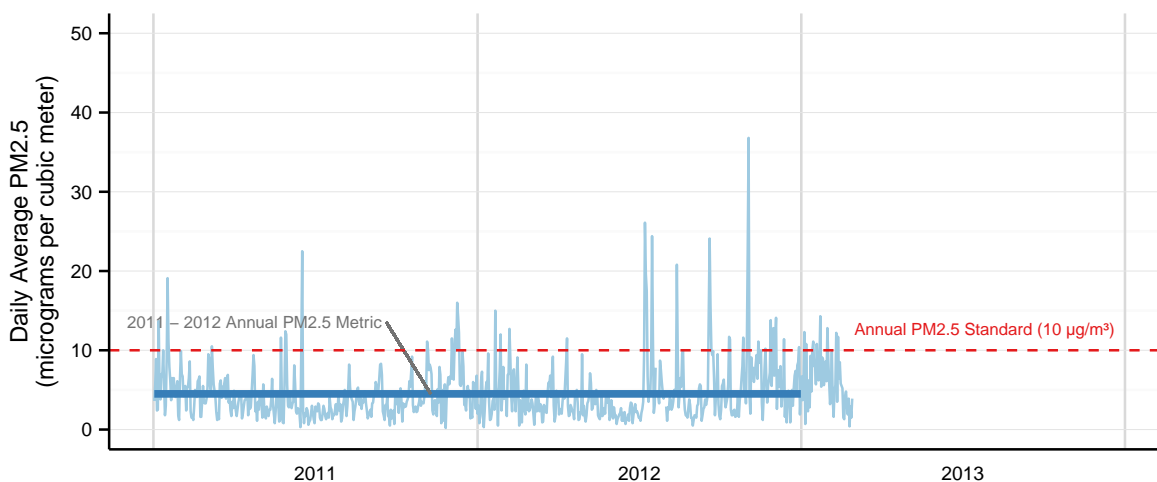
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 15 $\mu\text{g}/\text{m}^3$ (2 year average)



PM2.5 Annual Air Quality Standard: Achieved

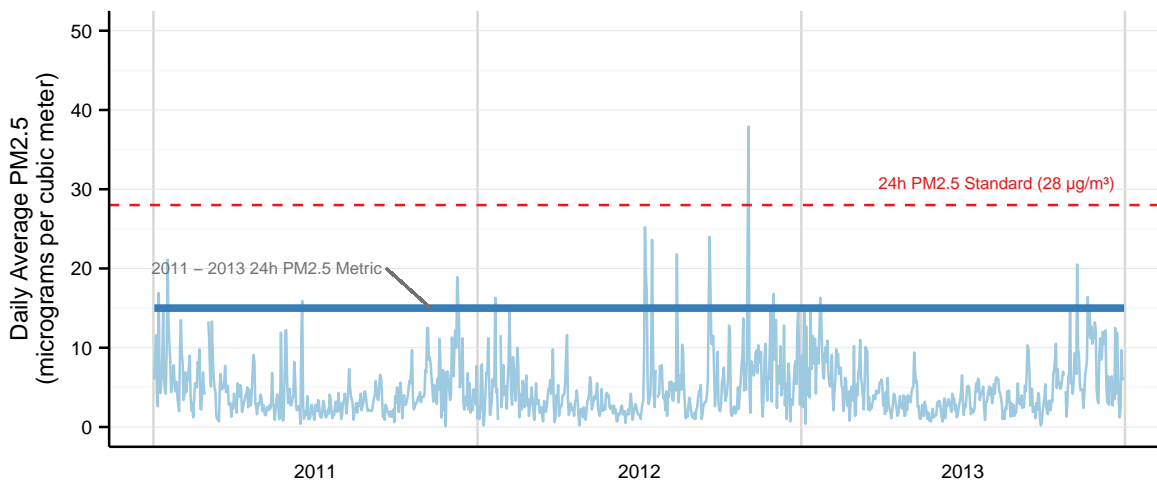
PM2.5 Annual Metric: 4.5 $\mu\text{g}/\text{m}^3$ (2 year average)



Williams Lake Columneetza School monitoring station

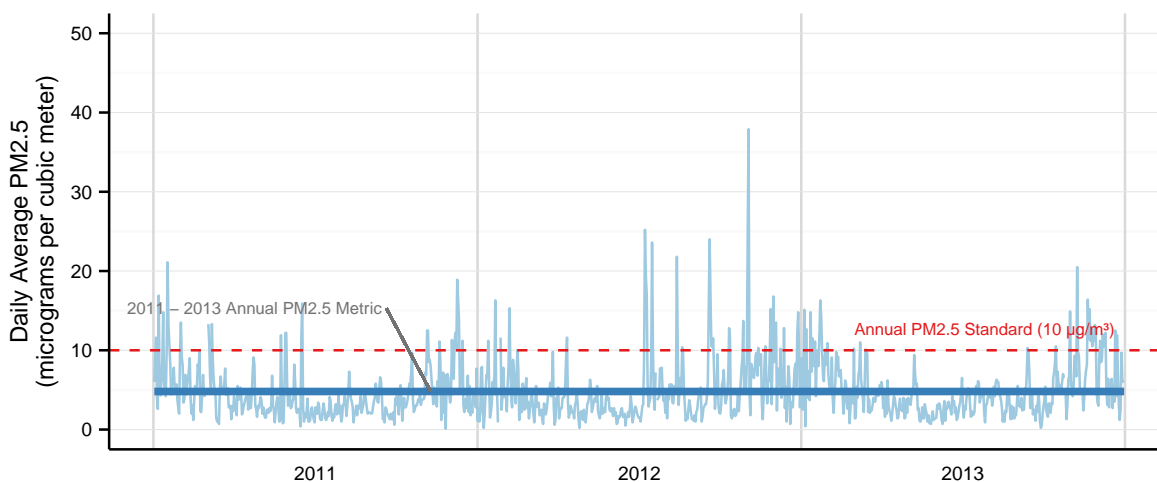
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 15 $\mu\text{g}/\text{m}^3$ (3 year average)



PM2.5 Annual Air Quality Standard: Achieved

PM2.5 Annual Metric: 4.8 $\mu\text{g}/\text{m}^3$ (3 year average)

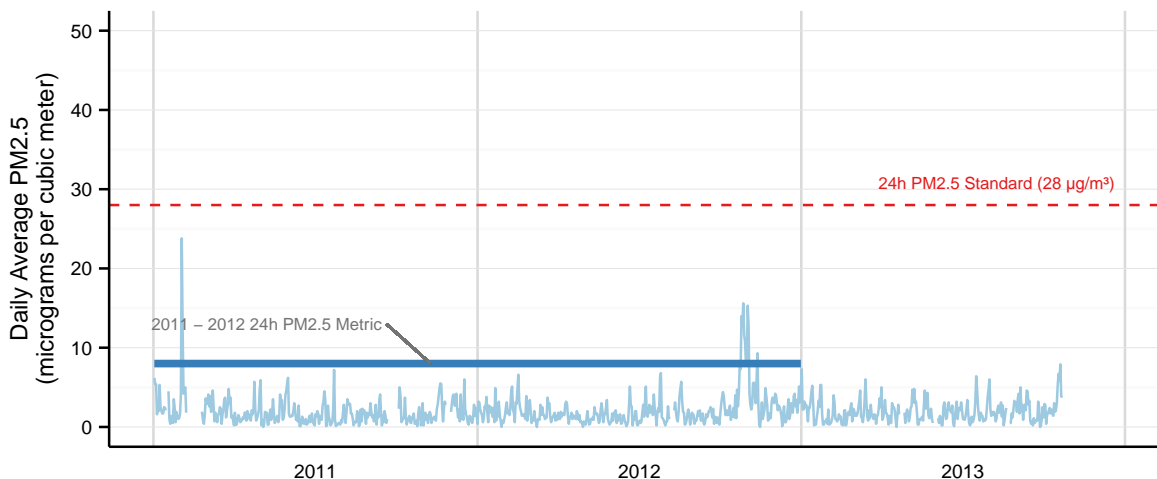


Coastal Air Zone

Kitimat Haisla Village monitoring station

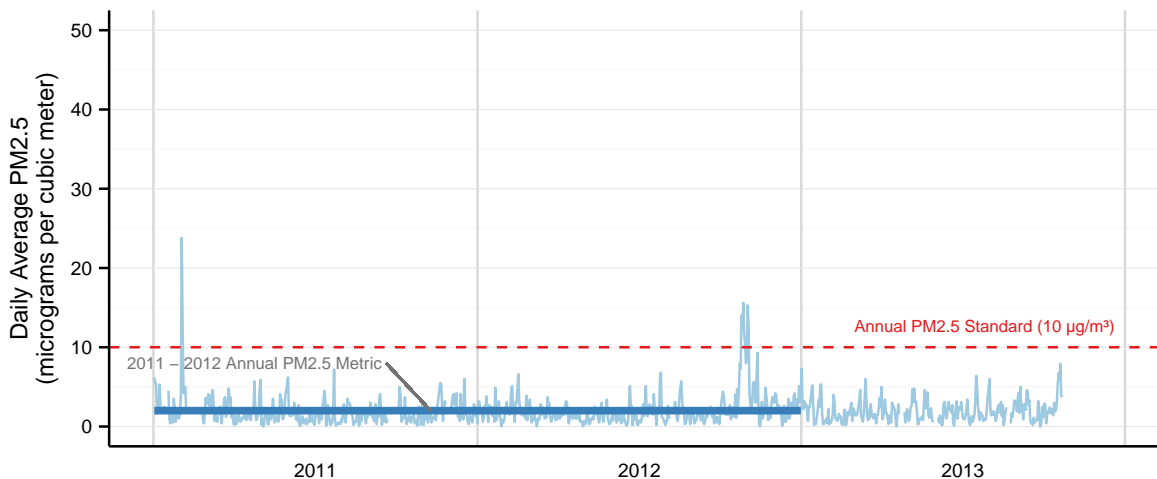
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: $8 \mu\text{g}/\text{m}^3$ (2 year average)



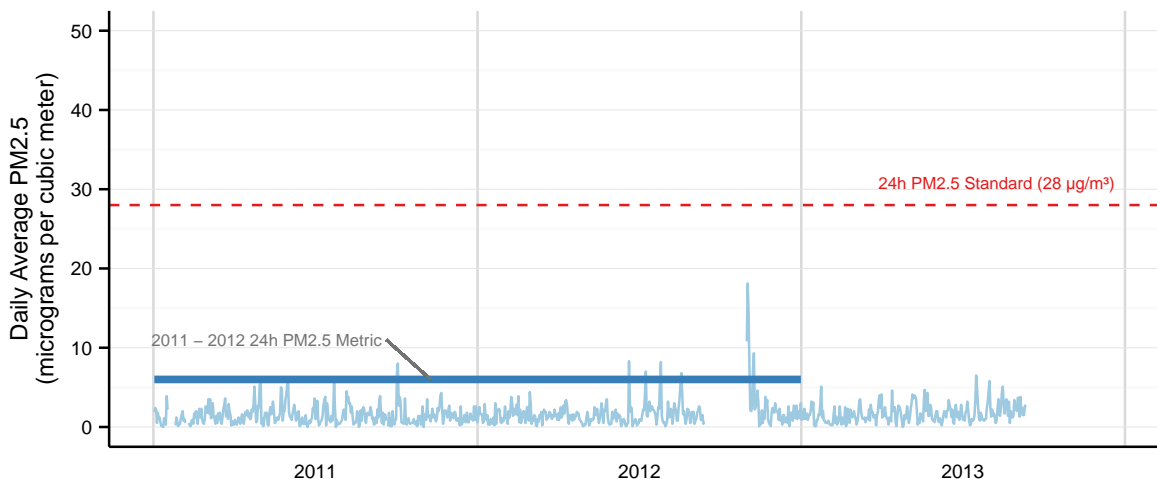
PM2.5 Annual Air Quality Standard: Achieved

PM2.5 Annual Metric: $2 \mu\text{g}/\text{m}^3$ (2 year average)

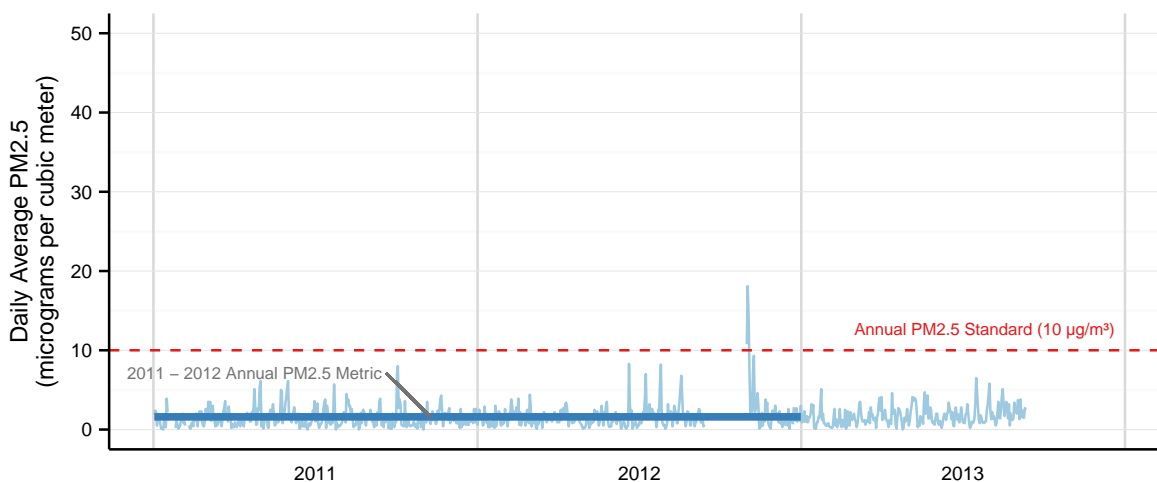


Kitimat Whitesail monitoring station

PM2.5 24-hour Air Quality Standard: Achieved
PM2.5 24-hour Metric: $6 \mu\text{g}/\text{m}^3$ (2 year average)

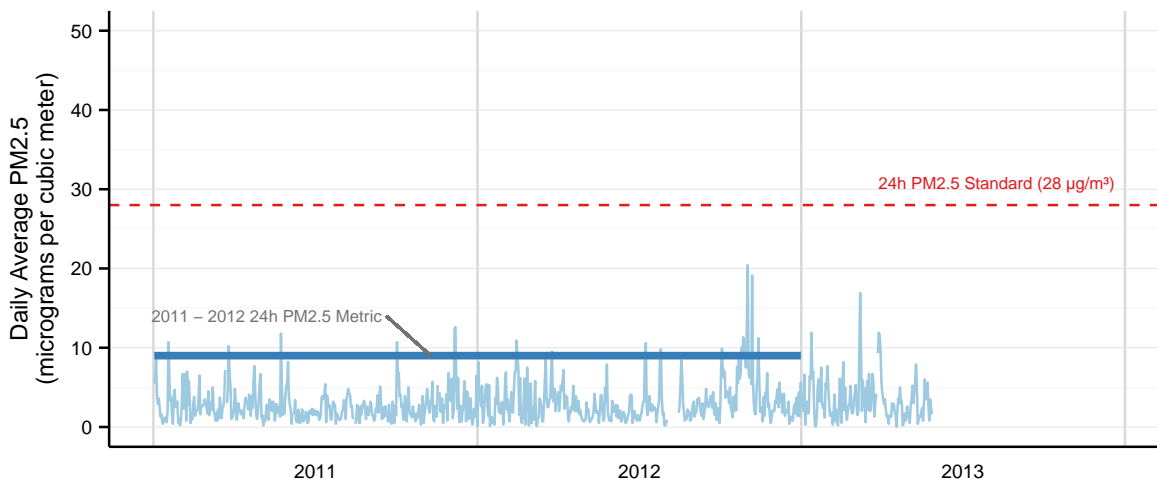


PM2.5 Annual Air Quality Standard: Achieved
PM2.5 Annual Metric: $1.6 \mu\text{g}/\text{m}^3$ (2 year average)

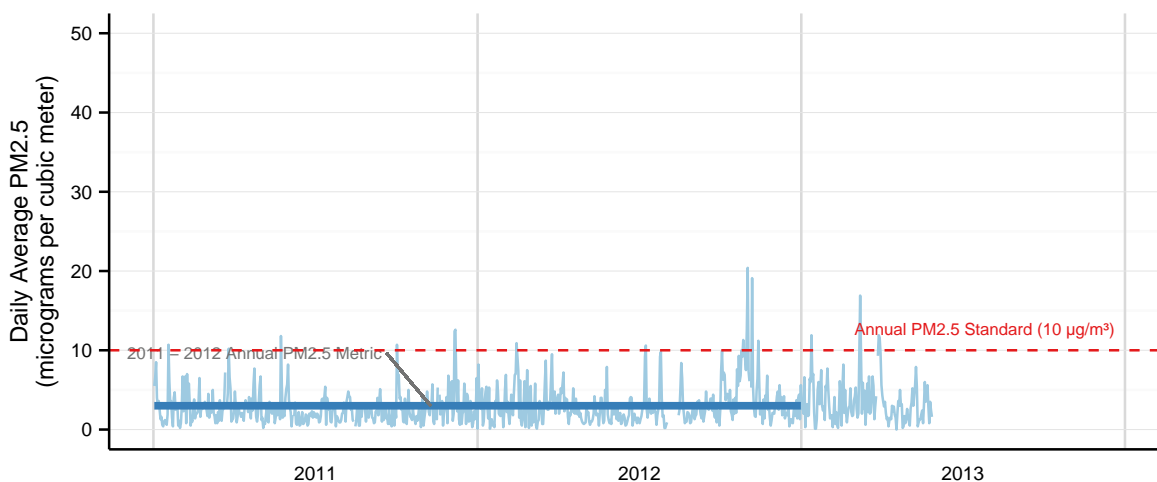


Terrace BC Access Centre monitoring station

PM2.5 24-hour Air Quality Standard: Achieved
PM2.5 24-hour Metric: 9 $\mu\text{g}/\text{m}^3$ (2 year average)



PM2.5 Annual Air Quality Standard: Achieved
PM2.5 Annual Metric: 3 $\mu\text{g}/\text{m}^3$ (2 year average)

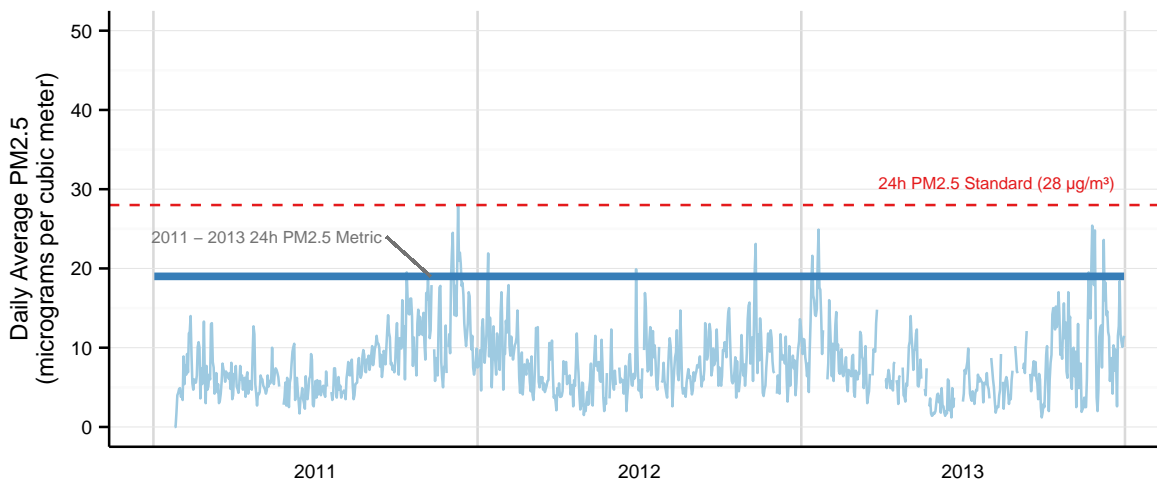


Georgia Strait Air Zone

Colwood City Hall monitoring station

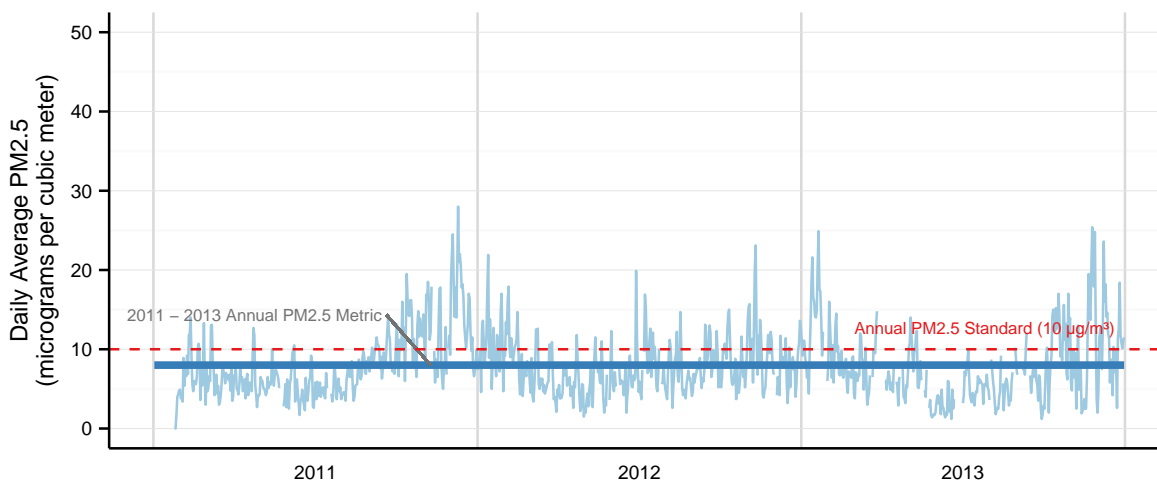
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 19 $\mu\text{g}/\text{m}^3$ (3 year average)



PM2.5 Annual Air Quality Standard: Achieved

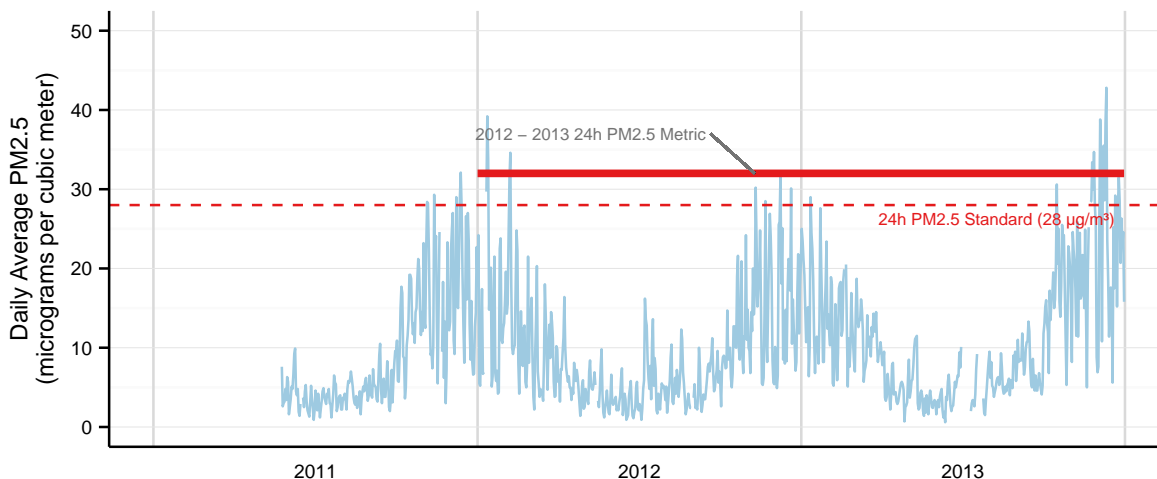
PM2.5 Annual Metric: 8 $\mu\text{g}/\text{m}^3$ (3 year average)



Courtenay Elementary School monitoring station

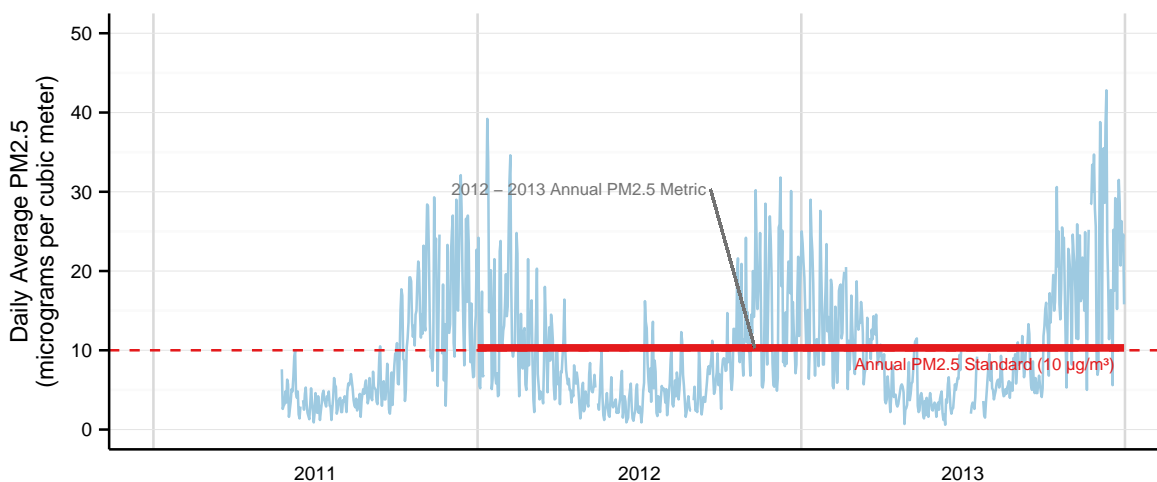
PM2.5 24-hour Air Quality Standard: Not Achieved

PM2.5 24-hour Metric: 32 $\mu\text{g}/\text{m}^3$ (2 year average)



PM2.5 Annual Air Quality Standard: Not Achieved

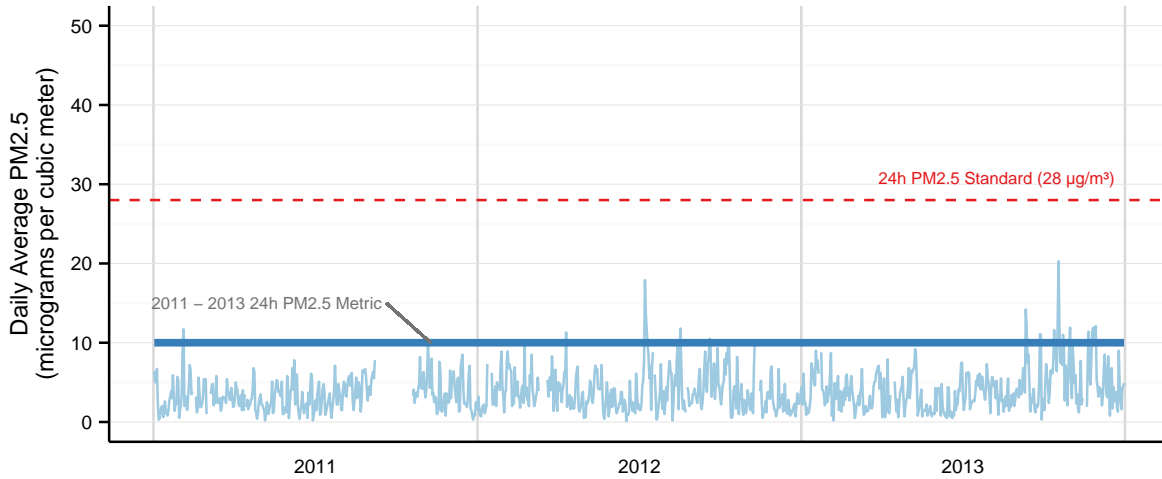
PM2.5 Annual Metric: 10.3 $\mu\text{g}/\text{m}^3$ (2 year average)



Crofton Escarpment Way monitoring station

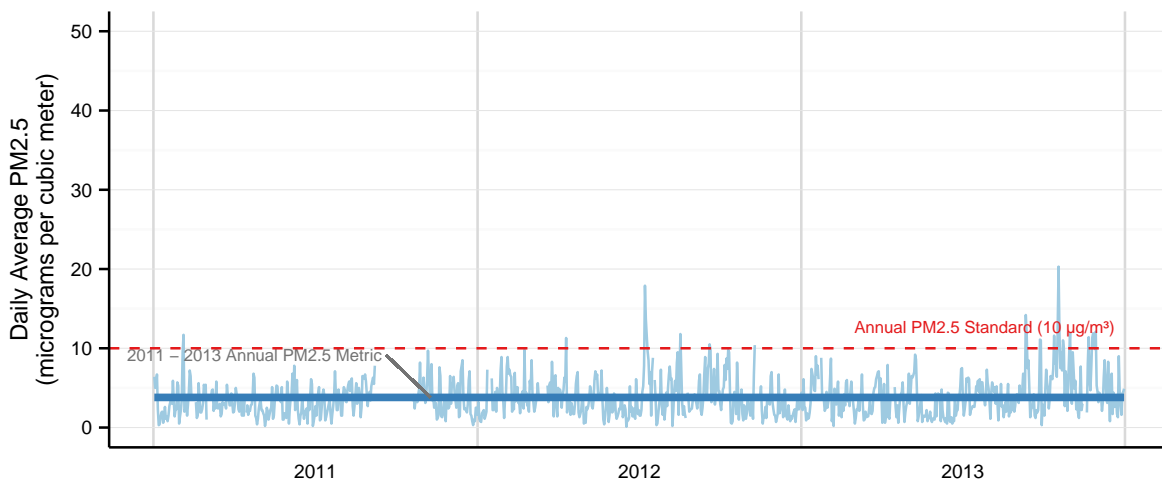
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 10 $\mu\text{g}/\text{m}^3$ (3 year average)



PM2.5 Annual Air Quality Standard: Achieved

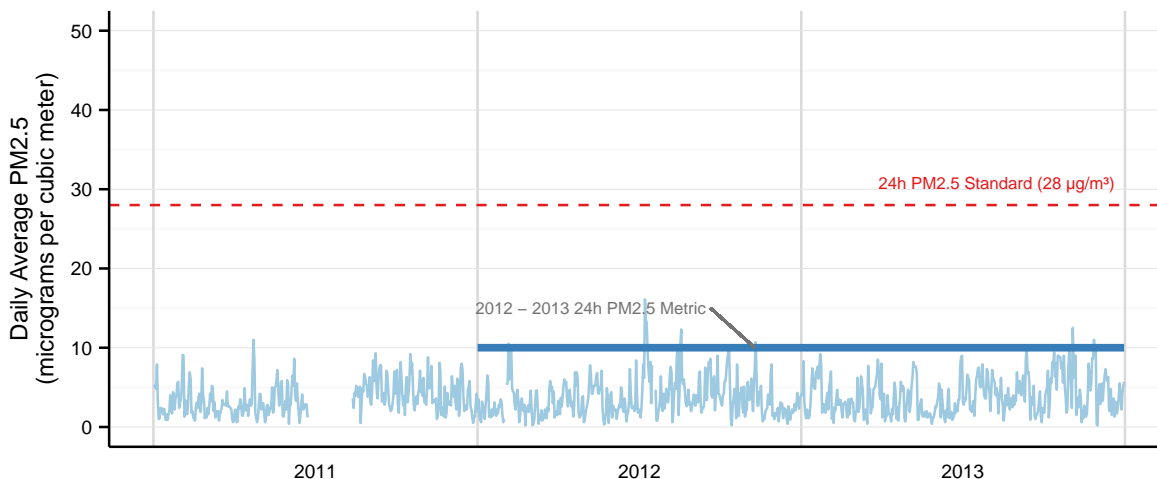
PM2.5 Annual Metric: 3.8 $\mu\text{g}/\text{m}^3$ (3 year average)



Crofton Substation monitoring station

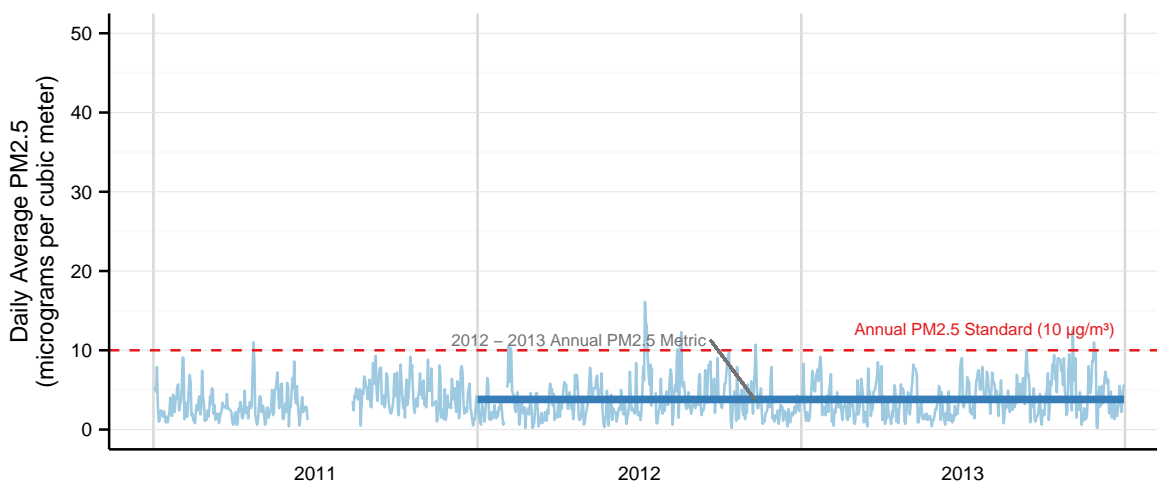
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 10 $\mu\text{g}/\text{m}^3$ (2 year average)



PM2.5 Annual Air Quality Standard: Achieved

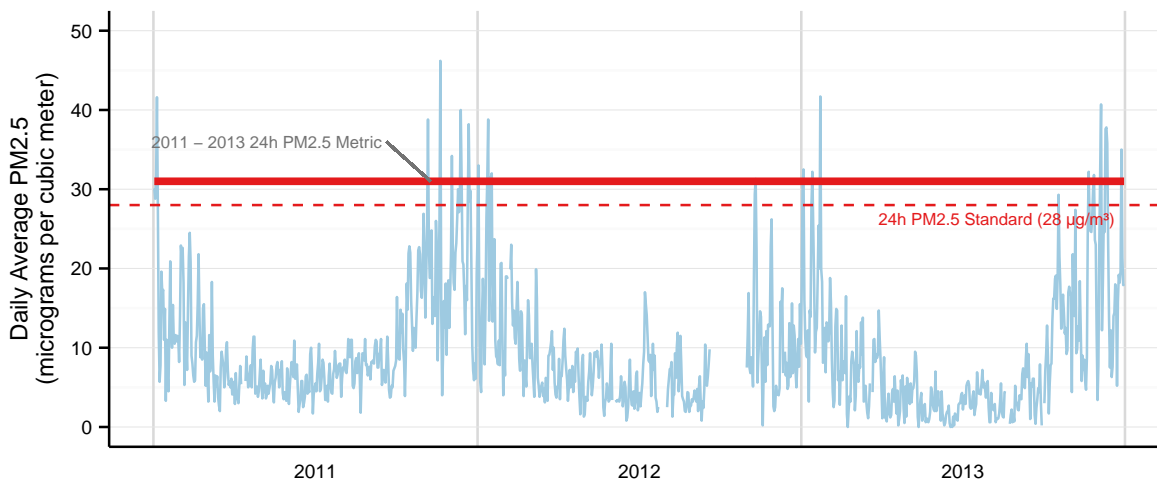
PM2.5 Annual Metric: 3.8 $\mu\text{g}/\text{m}^3$ (2 year average)



Duncan Cairnsmore monitoring station

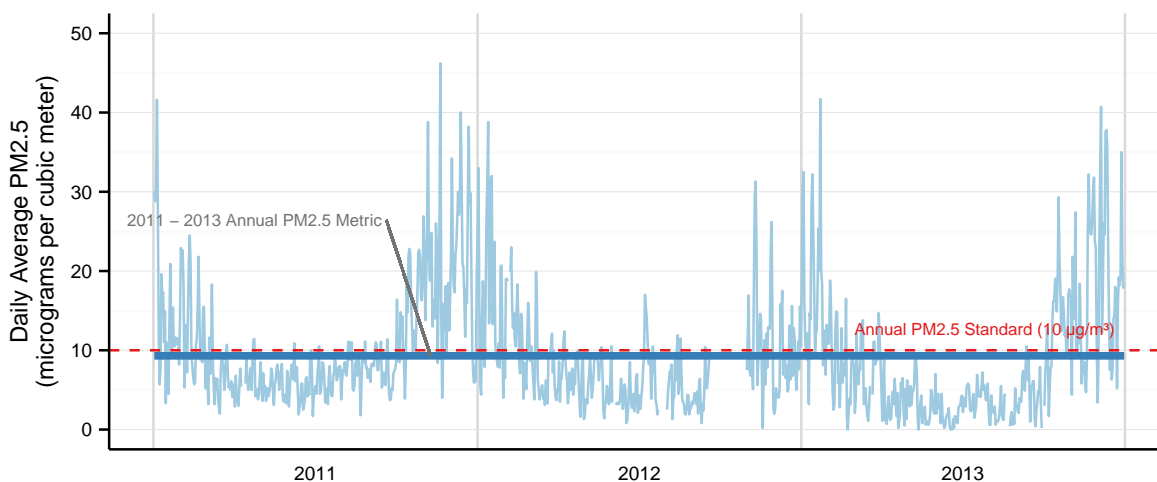
PM2.5 24-hour Air Quality Standard: Not Achieved

PM2.5 24-hour Metric: 31 $\mu\text{g}/\text{m}^3$ (3 year average)



PM2.5 Annual Air Quality Standard: Achieved

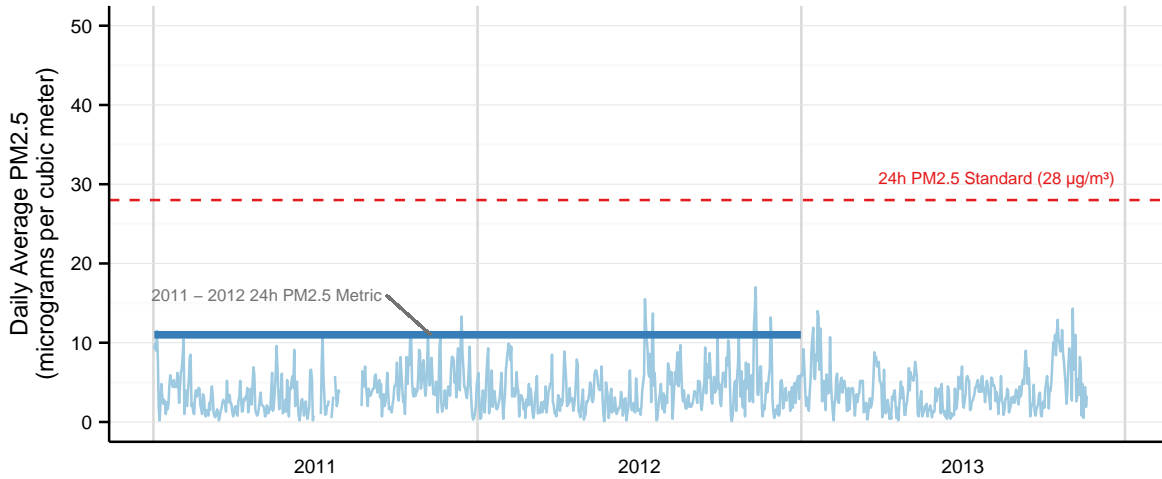
PM2.5 Annual Metric: 9.3 $\mu\text{g}/\text{m}^3$ (3 year average)



Duncan Deykin Avenue monitoring station

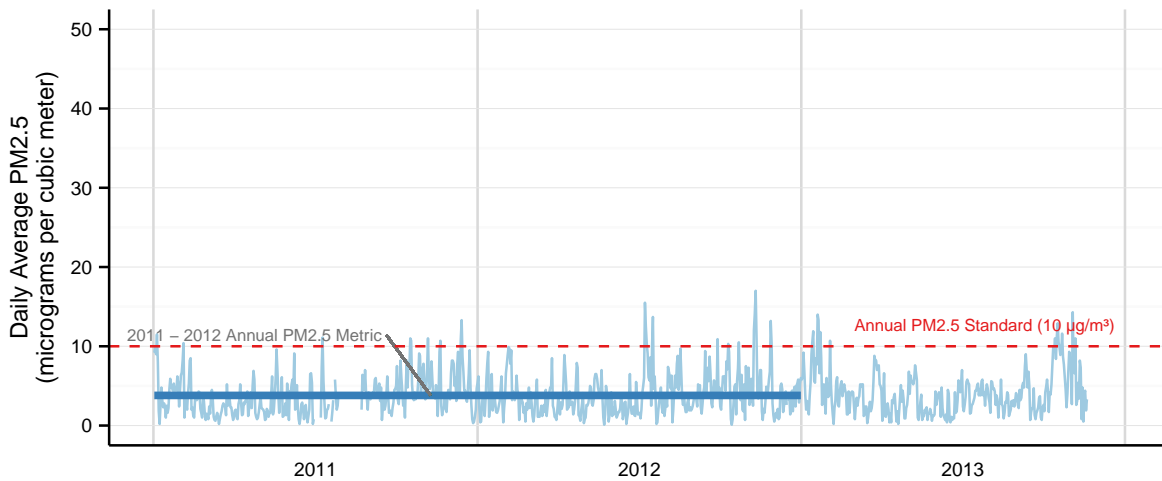
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 11 $\mu\text{g}/\text{m}^3$ (2 year average)



PM2.5 Annual Air Quality Standard: Achieved

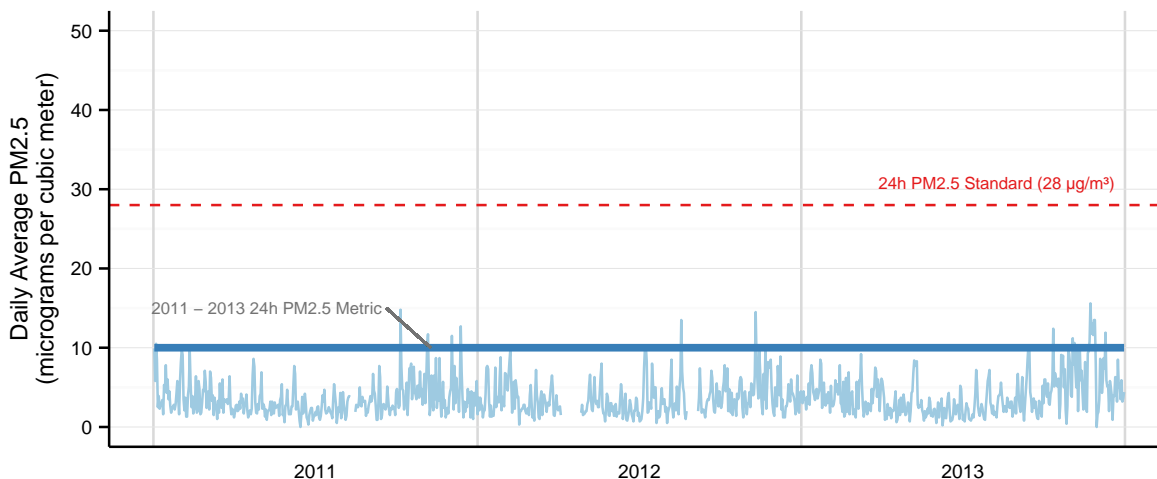
PM2.5 Annual Metric: 3.8 $\mu\text{g}/\text{m}^3$ (2 year average)



Elk Falls Dogwood monitoring station

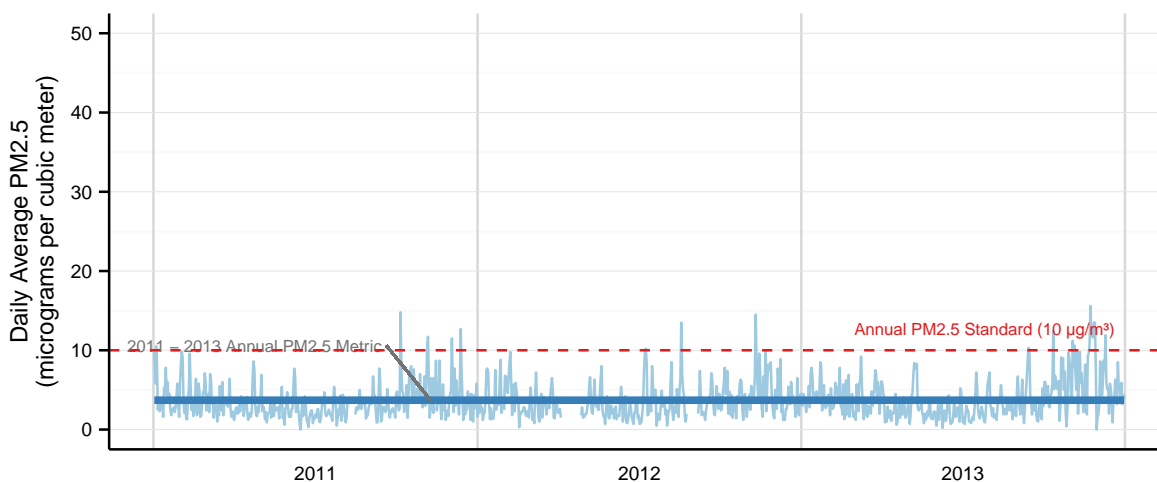
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 10 $\mu\text{g}/\text{m}^3$ (3 year average)



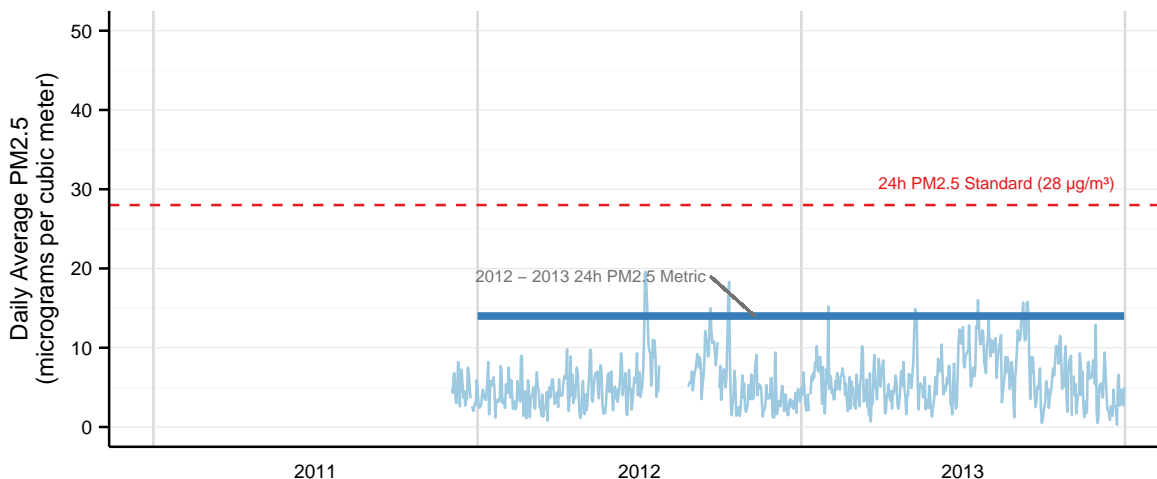
PM2.5 Annual Air Quality Standard: Achieved

PM2.5 Annual Metric: 3.7 $\mu\text{g}/\text{m}^3$ (3 year average)

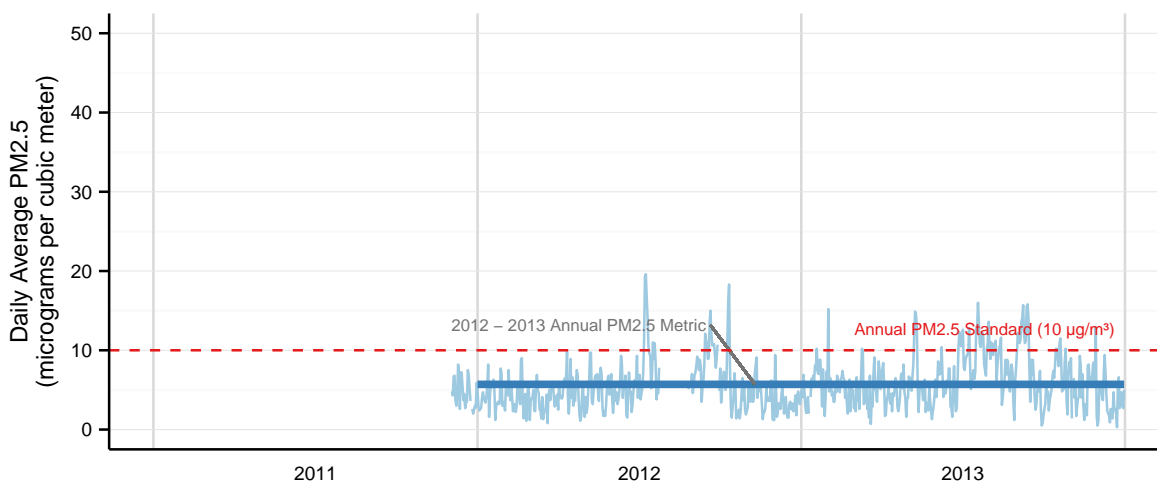


Langdale Elementary monitoring station

PM2.5 24-hour Air Quality Standard: Achieved
PM2.5 24-hour Metric: 14 $\mu\text{g}/\text{m}^3$ (2 year average)

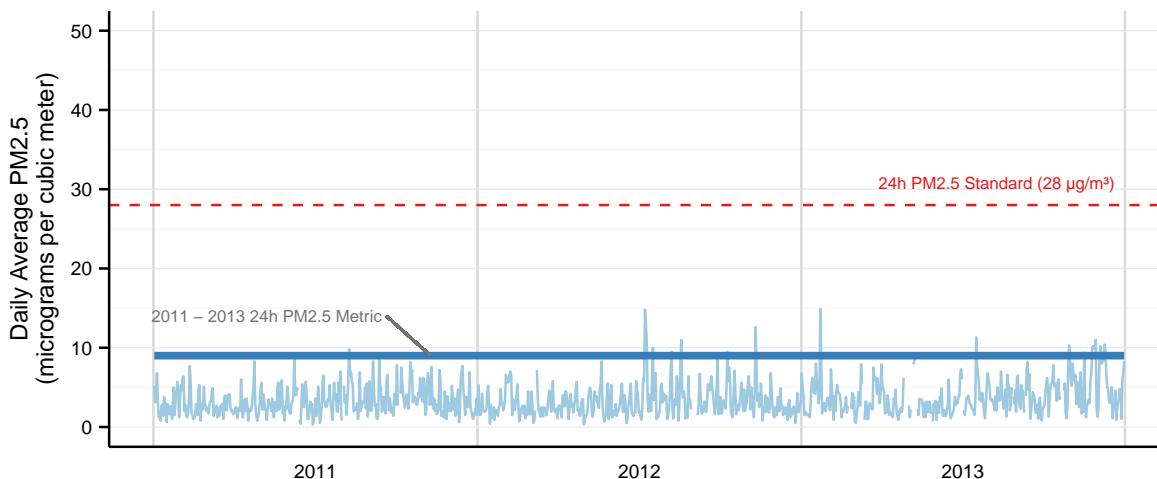


PM2.5 Annual Air Quality Standard: Achieved
PM2.5 Annual Metric: 5.7 $\mu\text{g}/\text{m}^3$ (2 year average)

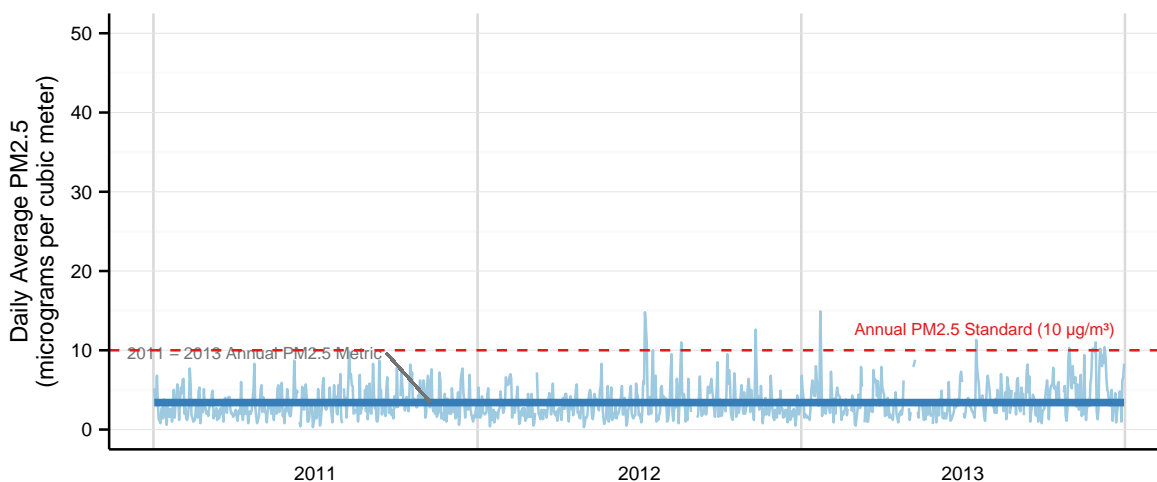


Nanaimo Labieux monitoring station

PM2.5 24-hour Air Quality Standard: Achieved
PM2.5 24-hour Metric: 9 $\mu\text{g}/\text{m}^3$ (3 year average)



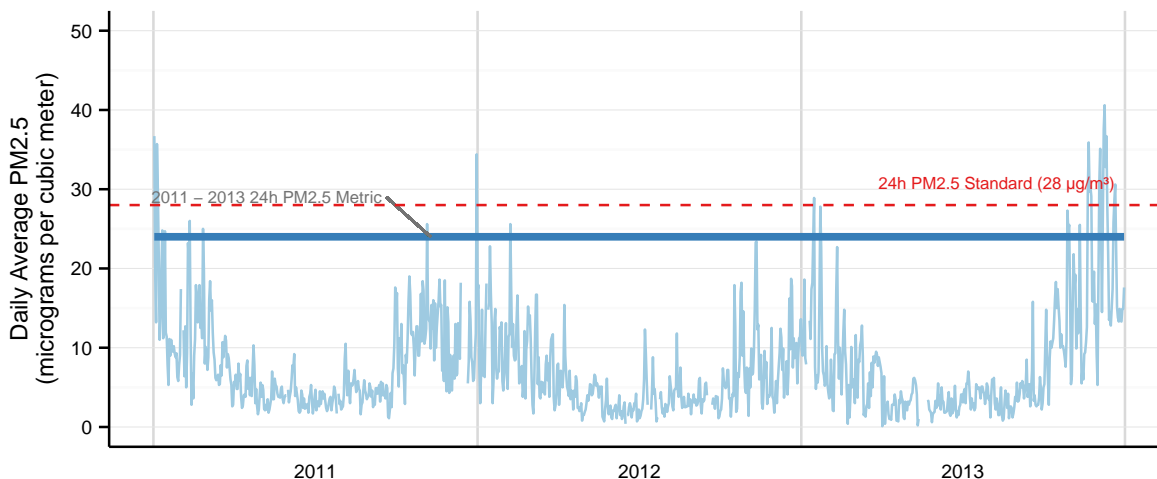
PM2.5 Annual Air Quality Standard: Achieved
PM2.5 Annual Metric: 3.4 $\mu\text{g}/\text{m}^3$ (3 year average)



Port Alberni Elementary monitoring station

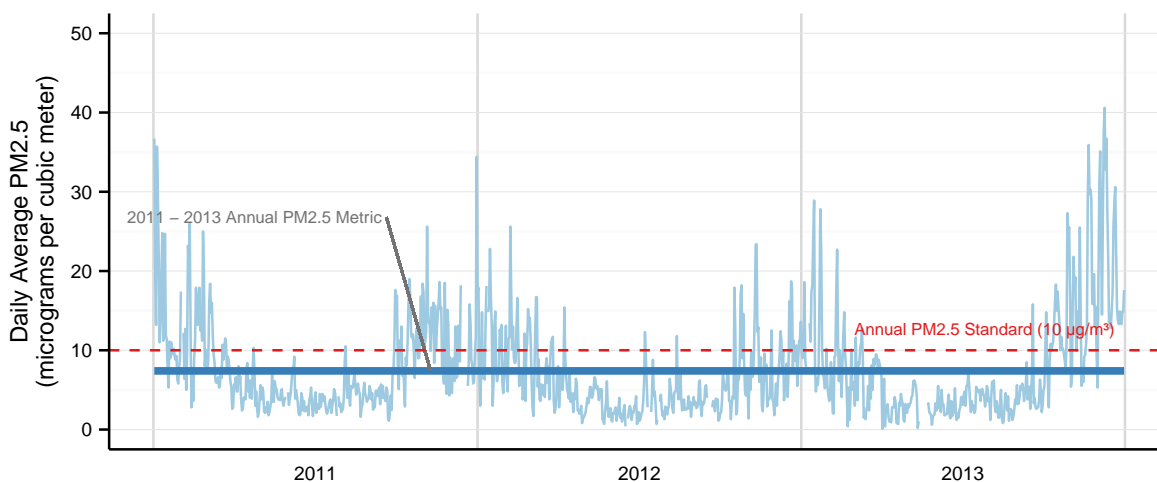
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 24 $\mu\text{g}/\text{m}^3$ (3 year average)



PM2.5 Annual Air Quality Standard: Achieved

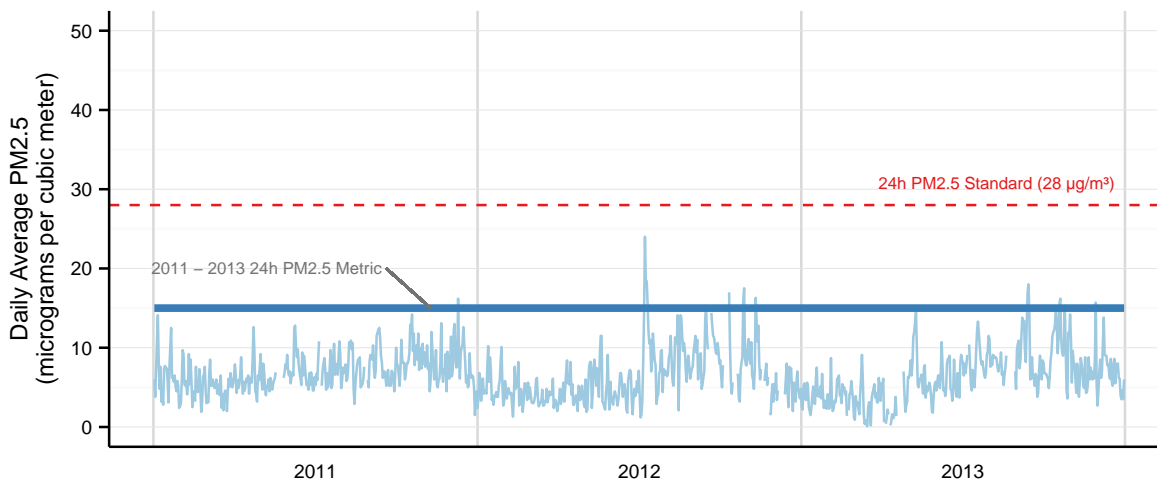
PM2.5 Annual Metric: 7.4 $\mu\text{g}/\text{m}^3$ (3 year average)



Squamish monitoring station

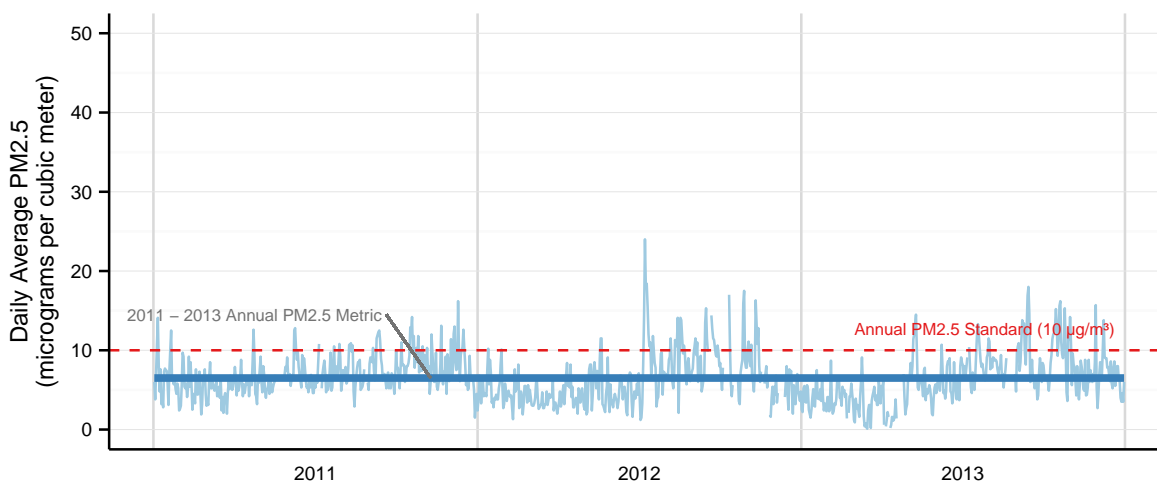
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 15 $\mu\text{g}/\text{m}^3$ (3 year average)



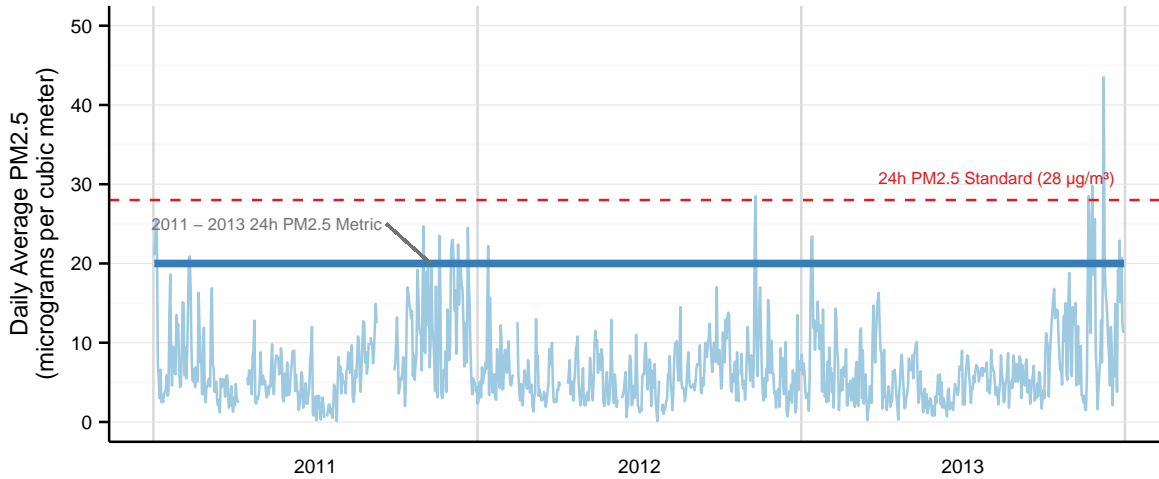
PM2.5 Annual Air Quality Standard: Achieved

PM2.5 Annual Metric: 6.5 $\mu\text{g}/\text{m}^3$ (3 year average)

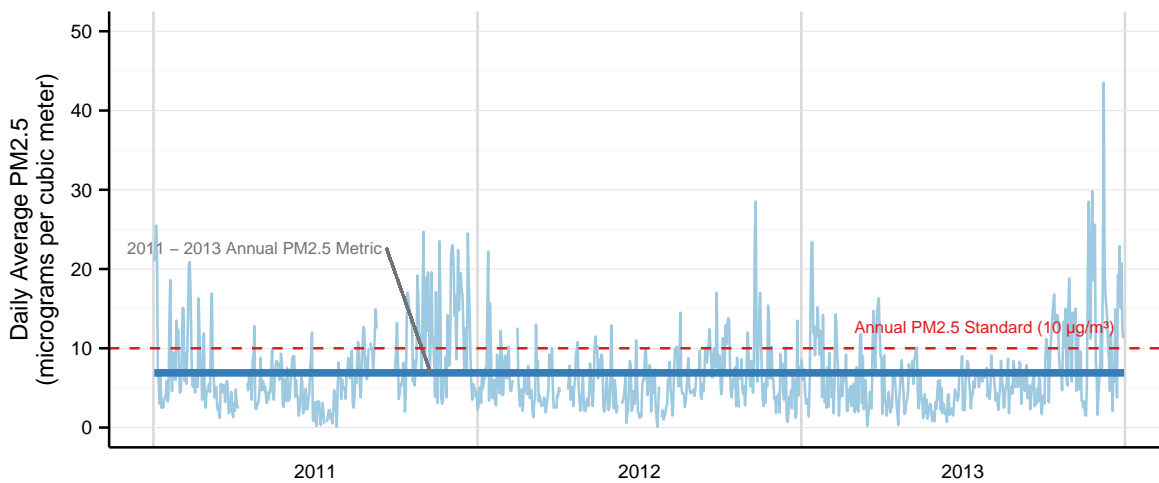


Victoria Topaz monitoring station

PM2.5 24-hour Air Quality Standard: Achieved
PM2.5 24-hour Metric: 20 $\mu\text{g}/\text{m}^3$ (3 year average)



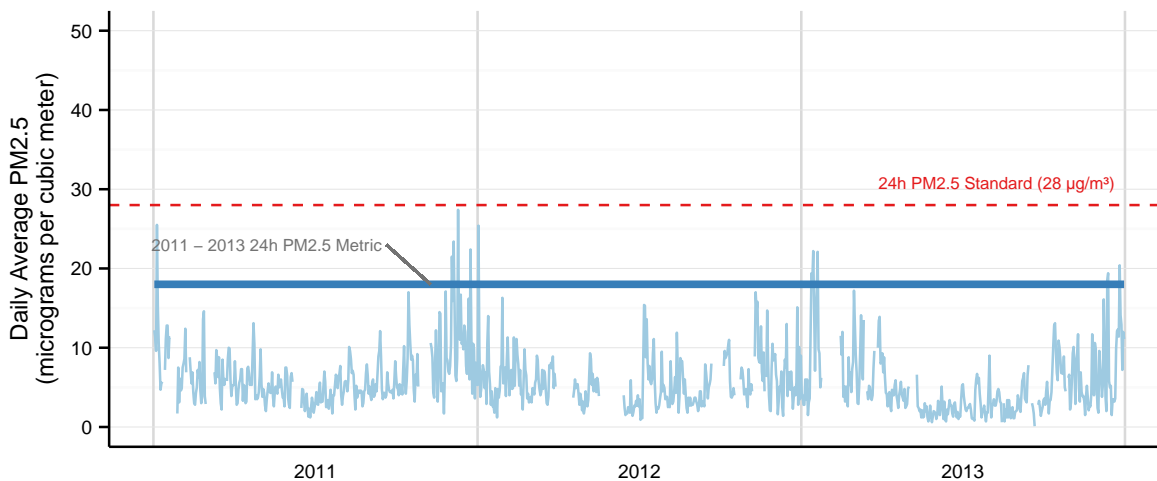
PM2.5 Annual Air Quality Standard: Achieved
PM2.5 Annual Metric: 6.9 $\mu\text{g}/\text{m}^3$ (3 year average)



Whistler Meadow Park monitoring station

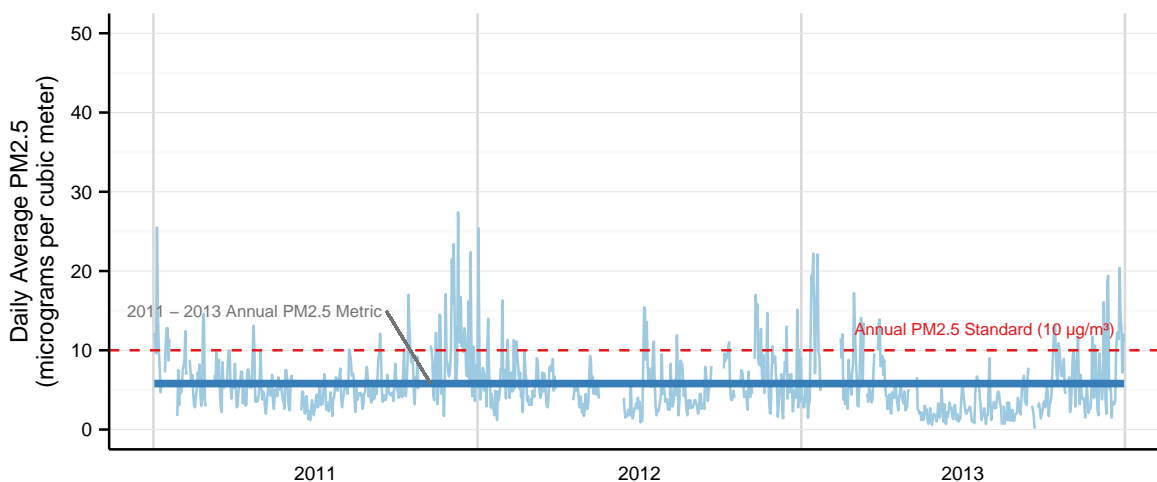
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 18 $\mu\text{g}/\text{m}^3$ (2 year average)



PM2.5 Annual Air Quality Standard: Achieved

PM2.5 Annual Metric: 5.8 $\mu\text{g}/\text{m}^3$ (2 year average)

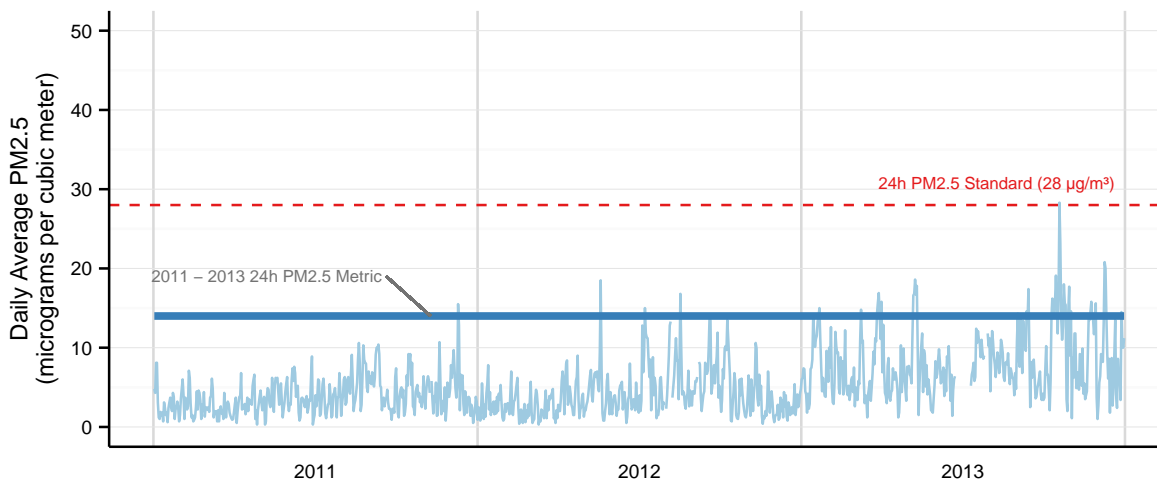


Lower Fraser Valley Air Zone

Abbotsford-Mill Lake monitoring station

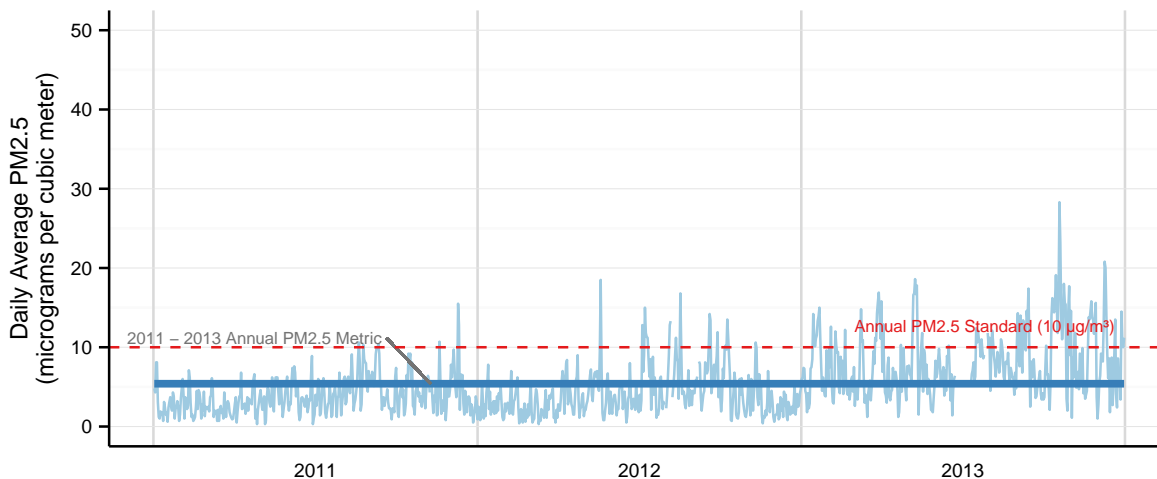
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 14 $\mu\text{g}/\text{m}^3$ (3 year average)



PM2.5 Annual Air Quality Standard: Achieved

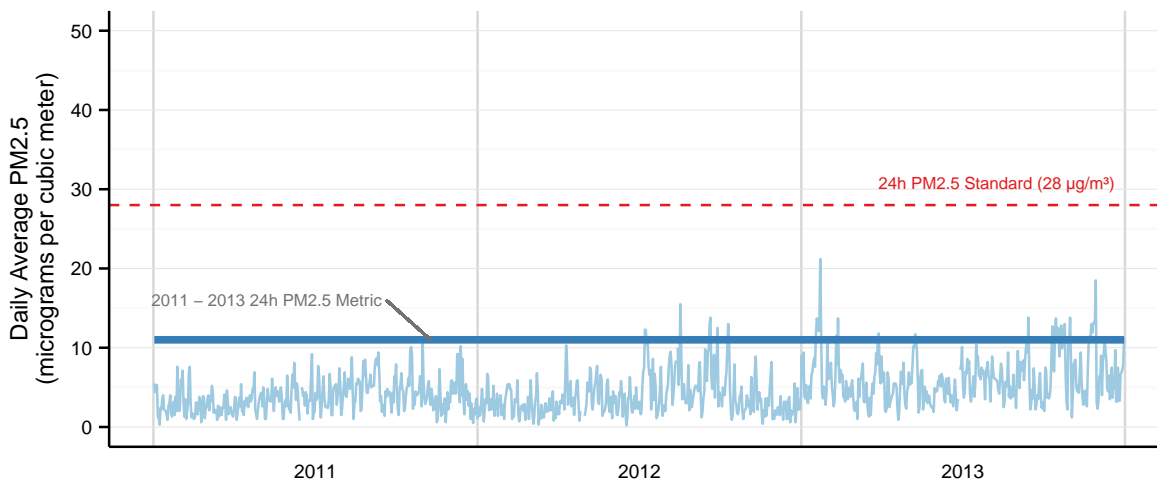
PM2.5 Annual Metric: 5.4 $\mu\text{g}/\text{m}^3$ (3 year average)



Burnaby South monitoring station

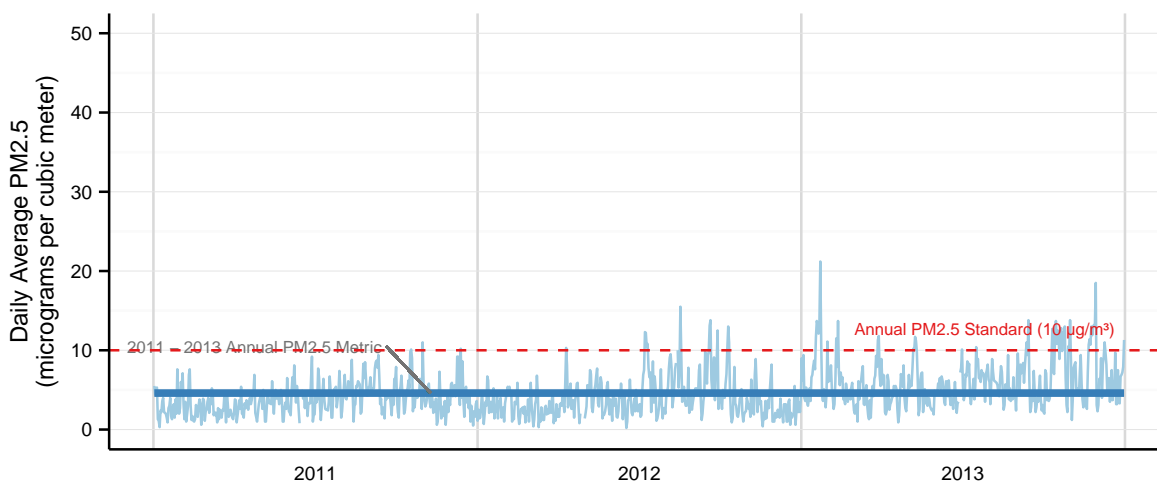
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 11 $\mu\text{g}/\text{m}^3$ (3 year average)



PM2.5 Annual Air Quality Standard: Achieved

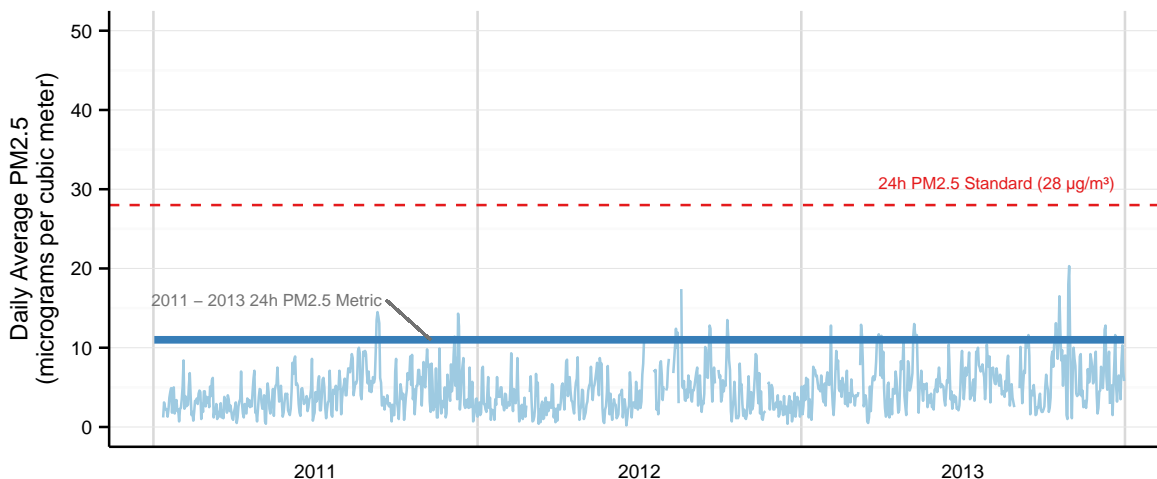
PM2.5 Annual Metric: 4.6 $\mu\text{g}/\text{m}^3$ (3 year average)



Chilliwack monitoring station

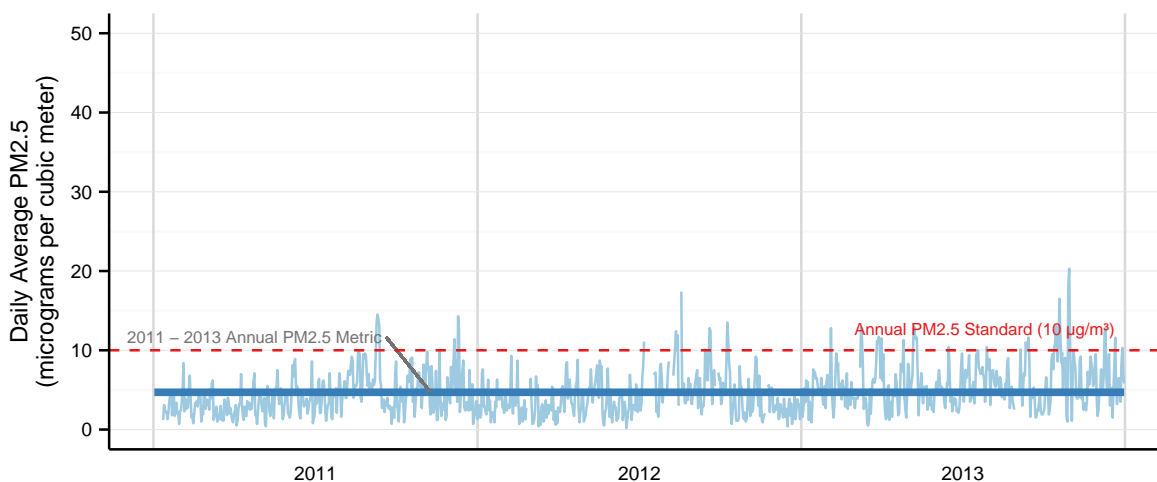
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 11 $\mu\text{g}/\text{m}^3$ (3 year average)



PM2.5 Annual Air Quality Standard: Achieved

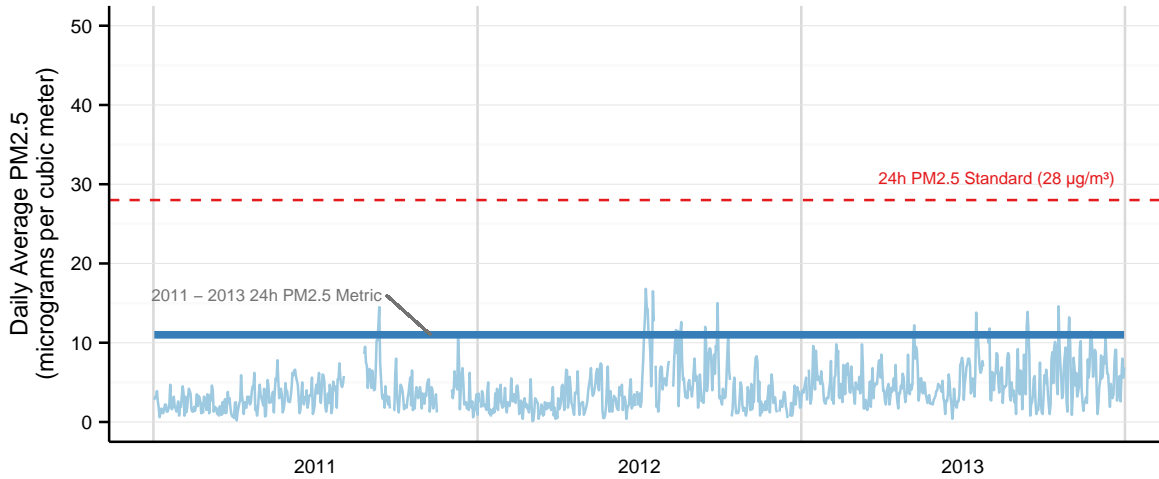
PM2.5 Annual Metric: 4.7 $\mu\text{g}/\text{m}^3$ (3 year average)



Hope monitoring station

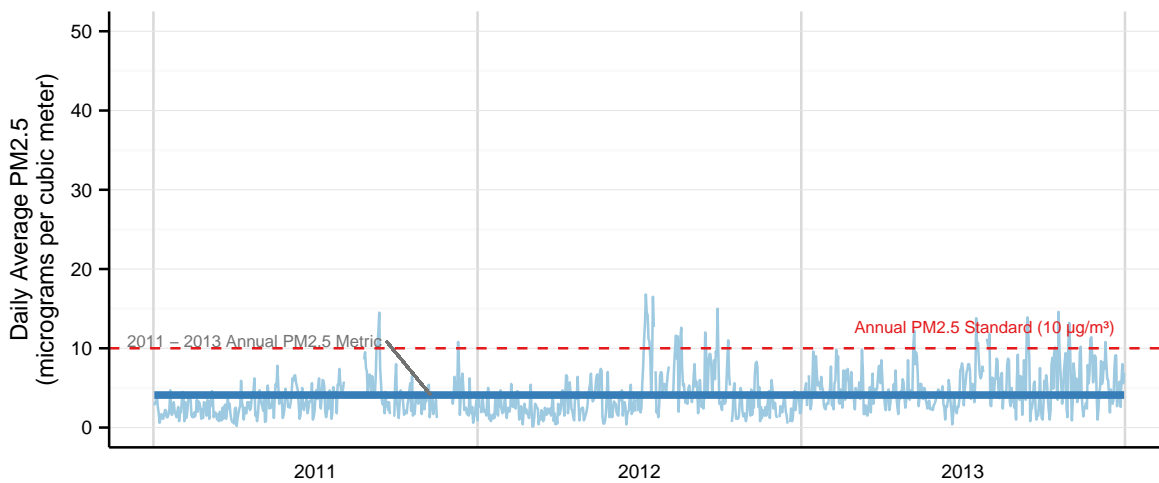
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 11 $\mu\text{g}/\text{m}^3$ (3 year average)



PM2.5 Annual Air Quality Standard: Achieved

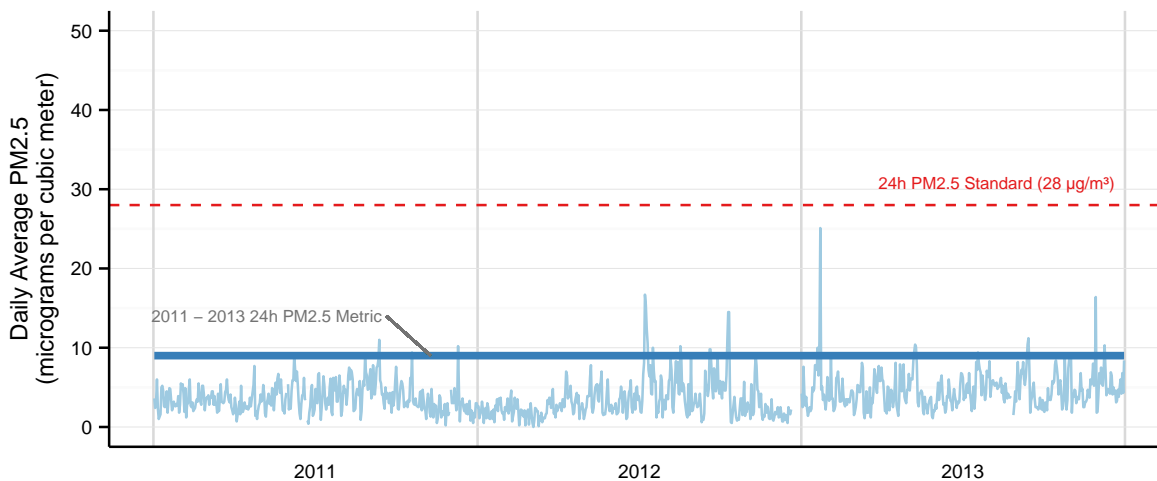
PM2.5 Annual Metric: 4.1 $\mu\text{g}/\text{m}^3$ (3 year average)



Horseshoe Bay monitoring station

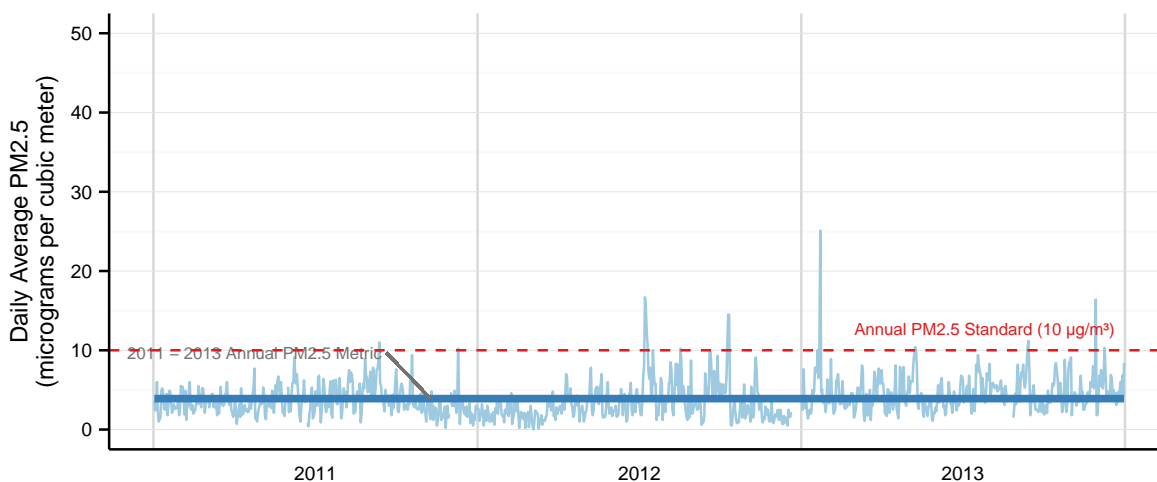
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 9 $\mu\text{g}/\text{m}^3$ (3 year average)



PM2.5 Annual Air Quality Standard: Achieved

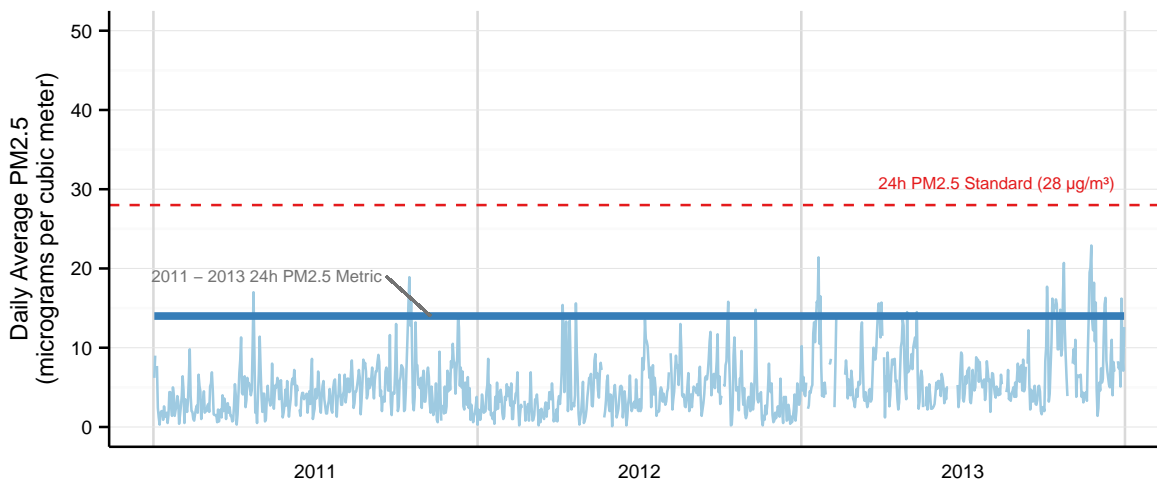
PM2.5 Annual Metric: 3.9 $\mu\text{g}/\text{m}^3$ (3 year average)



Langley monitoring station

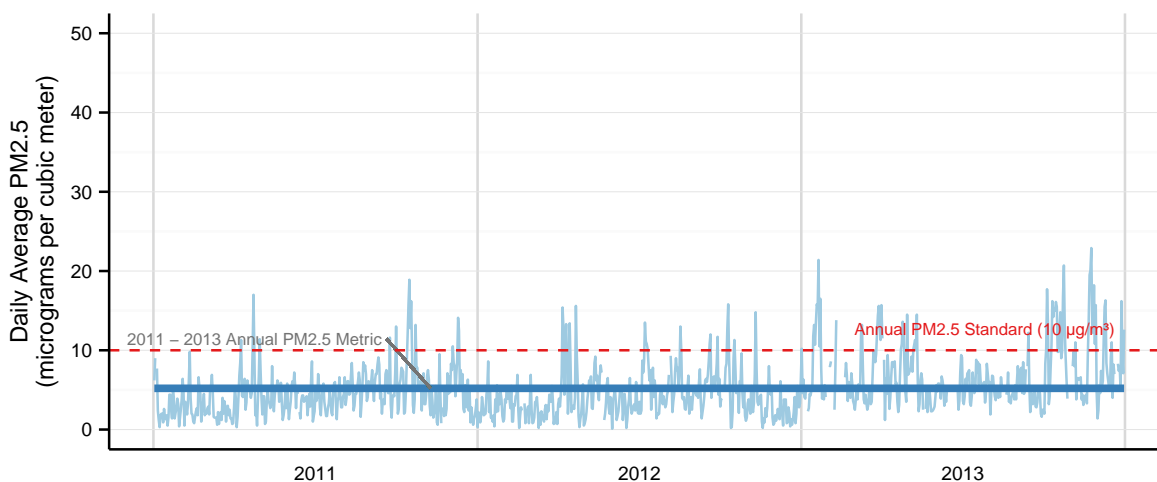
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 14 $\mu\text{g}/\text{m}^3$ (3 year average)



PM2.5 Annual Air Quality Standard: Achieved

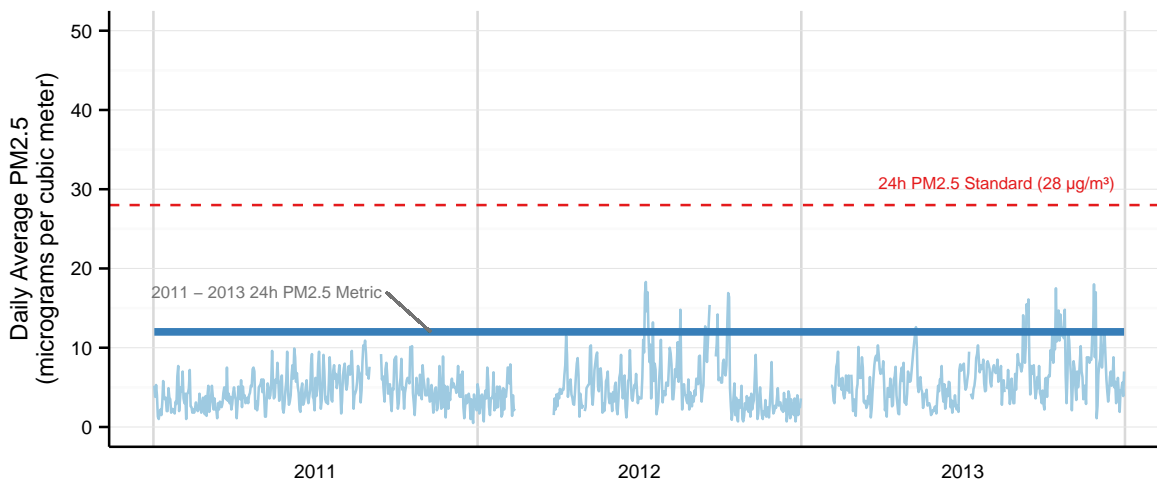
PM2.5 Annual Metric: 5.2 $\mu\text{g}/\text{m}^3$ (3 year average)



N. Vancouver-2nd Narrows monitoring station

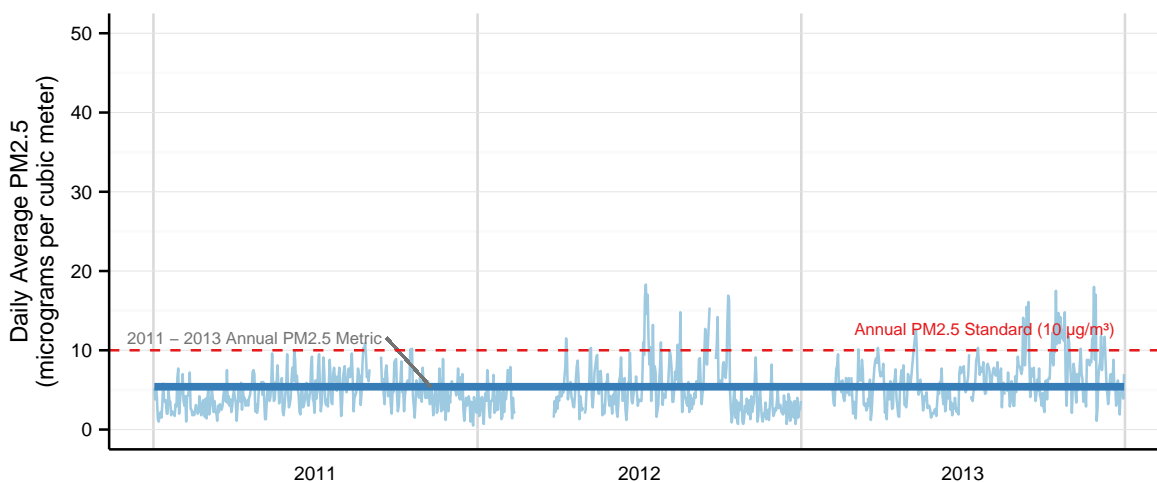
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 12 $\mu\text{g}/\text{m}^3$ (2 year average)



PM2.5 Annual Air Quality Standard: Achieved

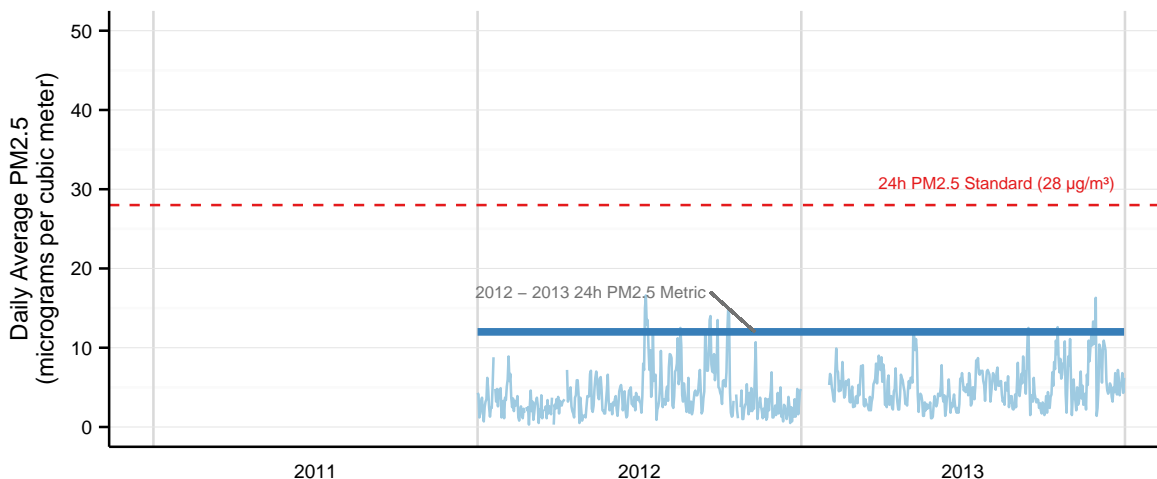
PM2.5 Annual Metric: 5.4 $\mu\text{g}/\text{m}^3$ (2 year average)



N. Vancouver-Mahon Park monitoring station

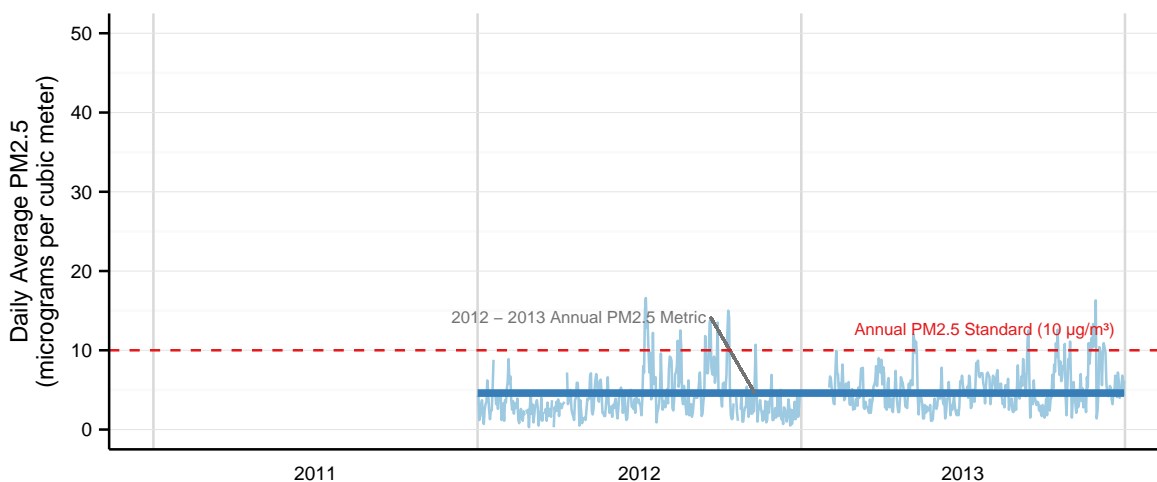
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 12 $\mu\text{g}/\text{m}^3$ (2 year average)



PM2.5 Annual Air Quality Standard: Achieved

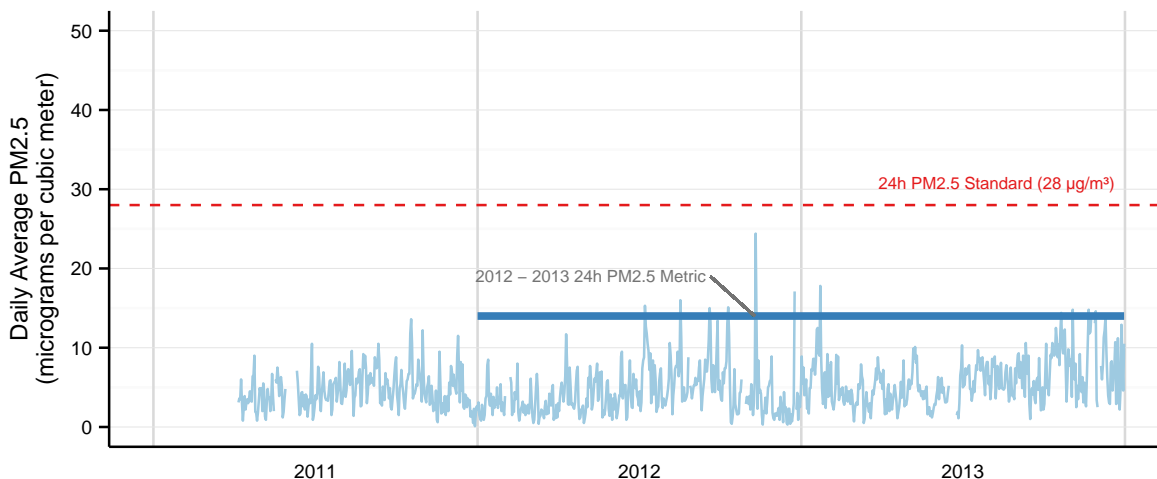
PM2.5 Annual Metric: 4.6 $\mu\text{g}/\text{m}^3$ (2 year average)



North Delta monitoring station

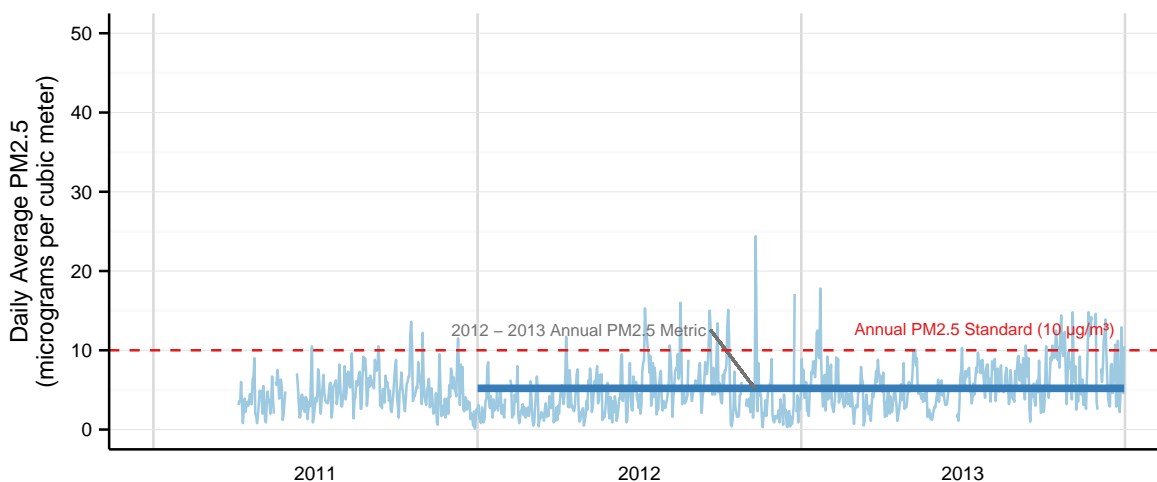
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 14 $\mu\text{g}/\text{m}^3$ (2 year average)



PM2.5 Annual Air Quality Standard: Achieved

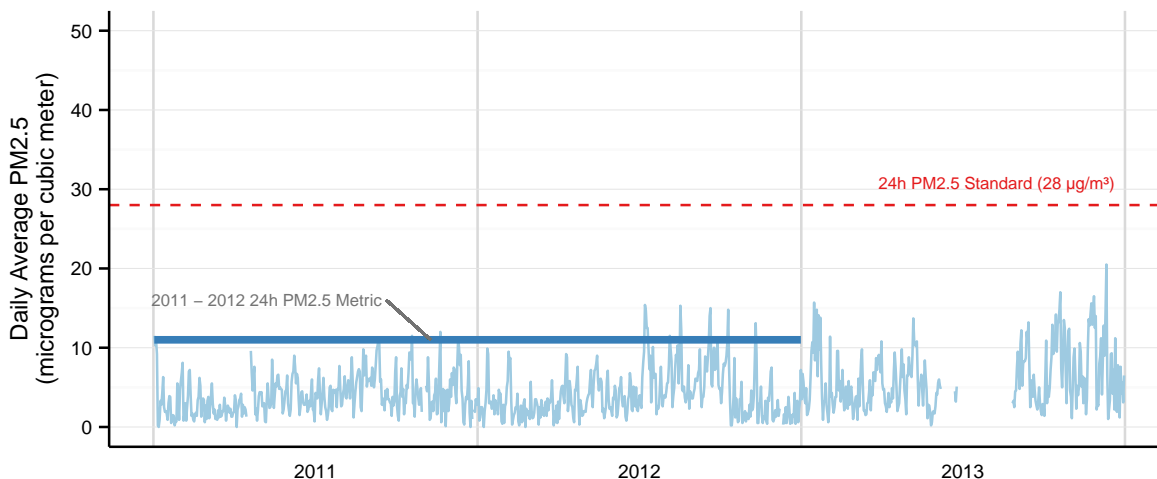
PM2.5 Annual Metric: 5.2 $\mu\text{g}/\text{m}^3$ (2 year average)



Pitt Meadows monitoring station

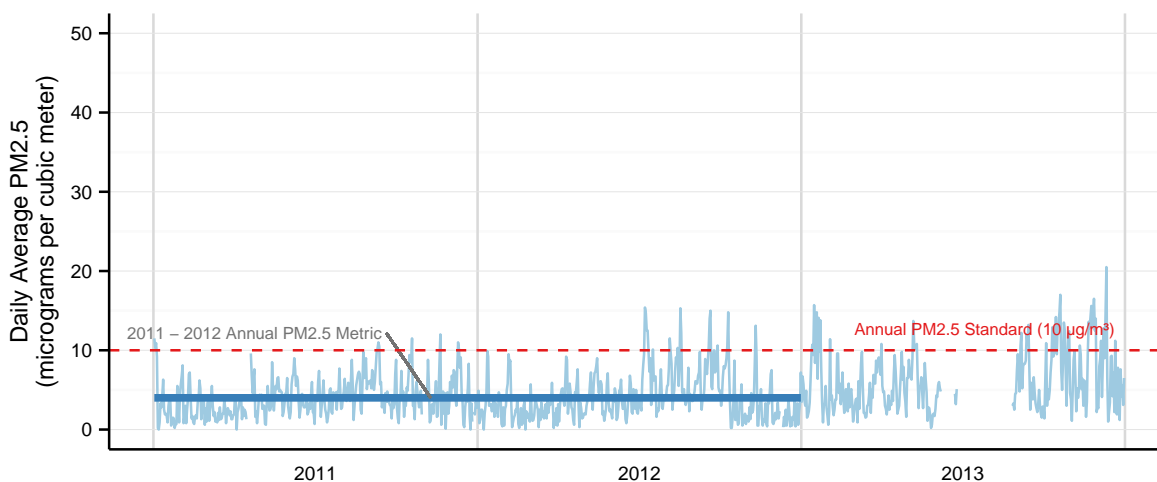
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 11 $\mu\text{g}/\text{m}^3$ (2 year average)



PM2.5 Annual Air Quality Standard: Achieved

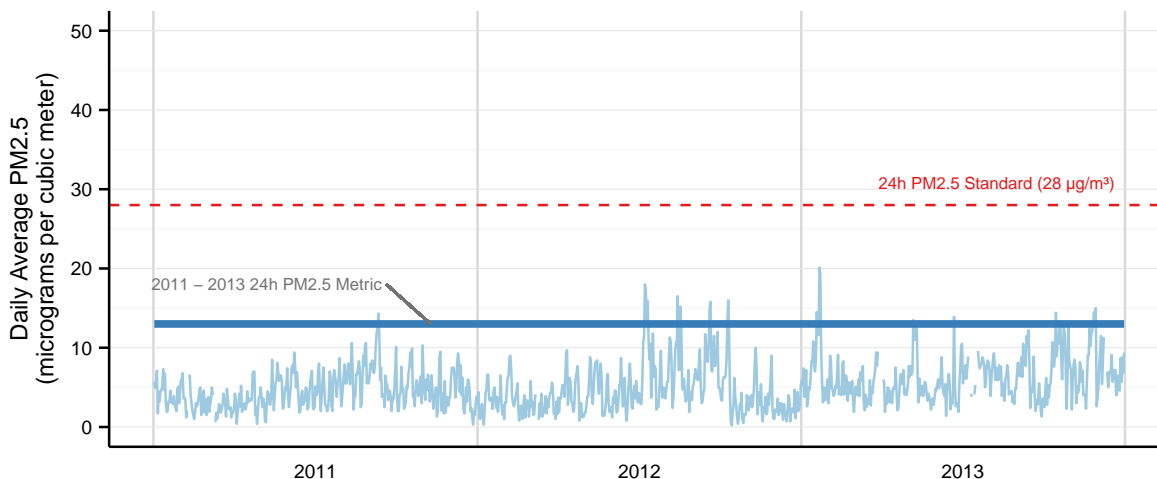
PM2.5 Annual Metric: 4 $\mu\text{g}/\text{m}^3$ (2 year average)



Port Moody monitoring station

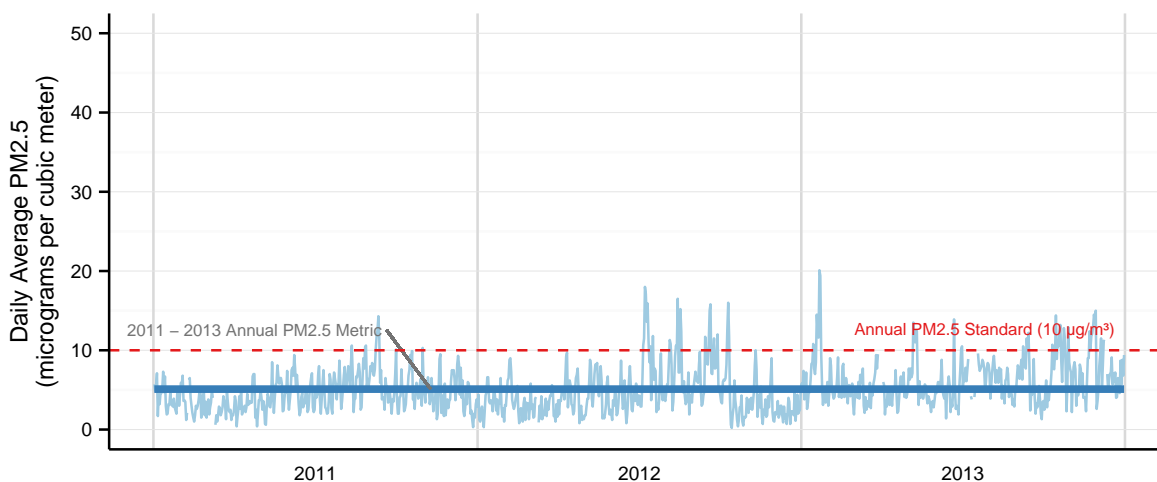
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 13 $\mu\text{g}/\text{m}^3$ (3 year average)



PM2.5 Annual Air Quality Standard: Achieved

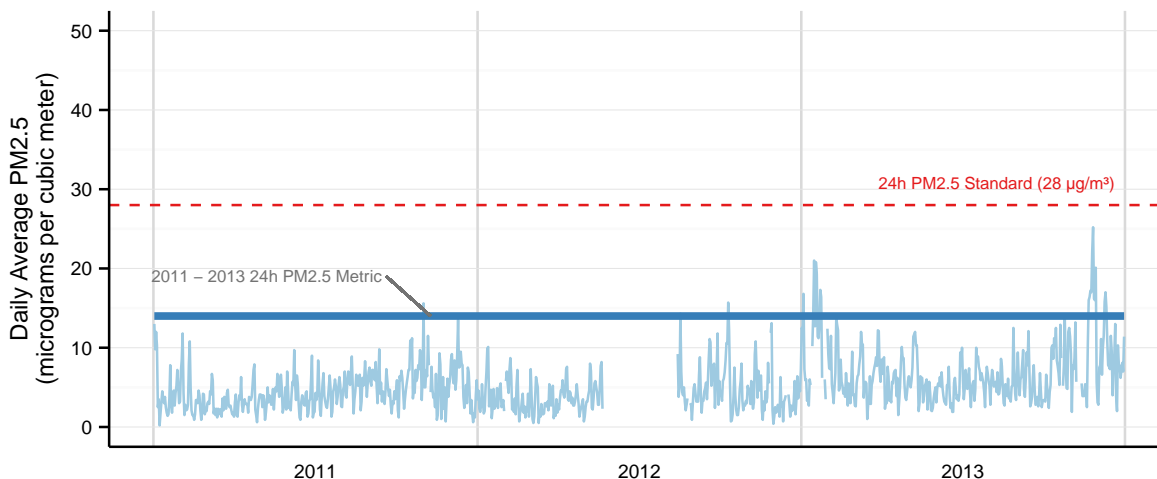
PM2.5 Annual Metric: 5.1 $\mu\text{g}/\text{m}^3$ (3 year average)



Richmond South monitoring station

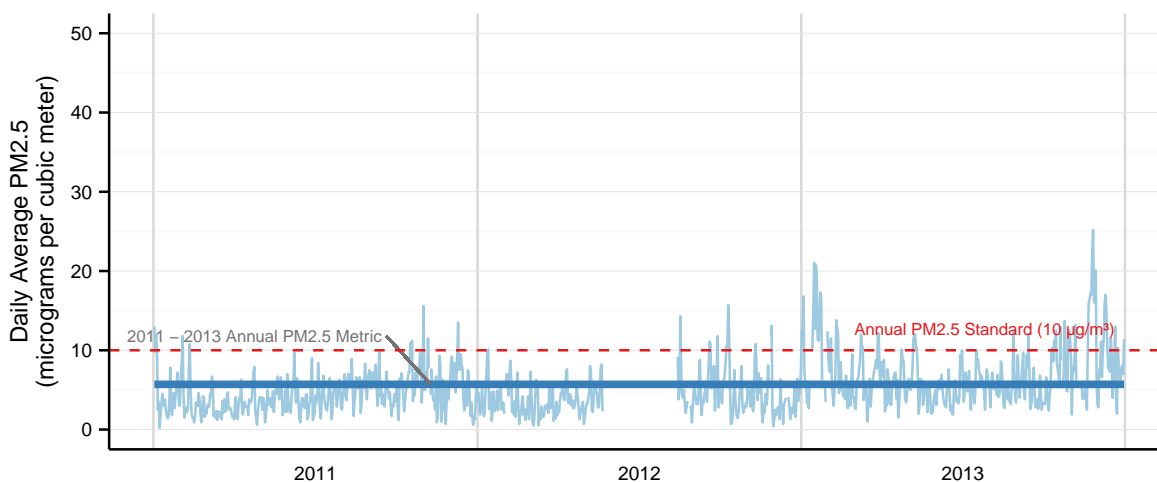
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 14 $\mu\text{g}/\text{m}^3$ (2 year average)



PM2.5 Annual Air Quality Standard: Achieved

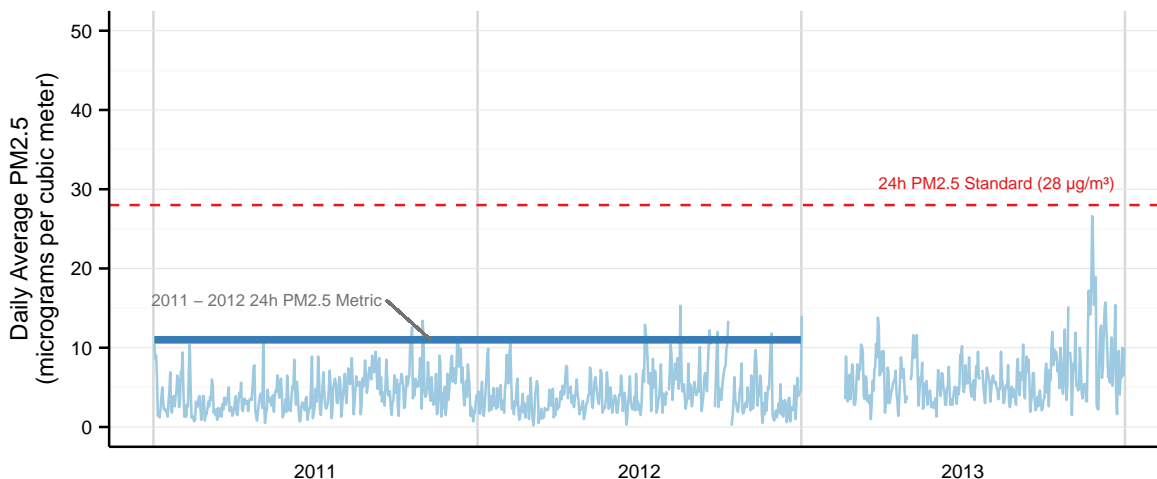
PM2.5 Annual Metric: 5.7 $\mu\text{g}/\text{m}^3$ (2 year average)



Richmond-Airport monitoring station

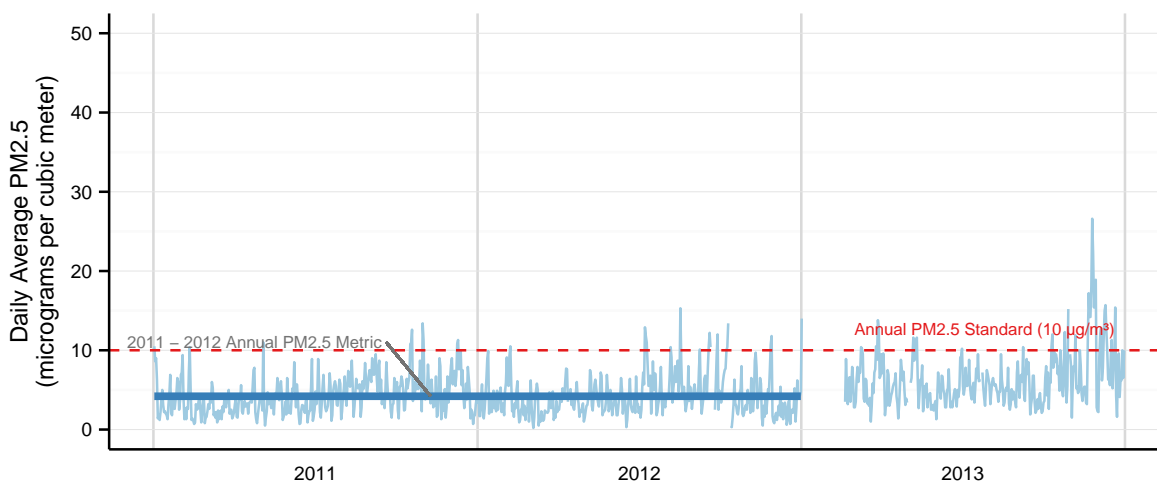
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 11 $\mu\text{g}/\text{m}^3$ (2 year average)



PM2.5 Annual Air Quality Standard: Achieved

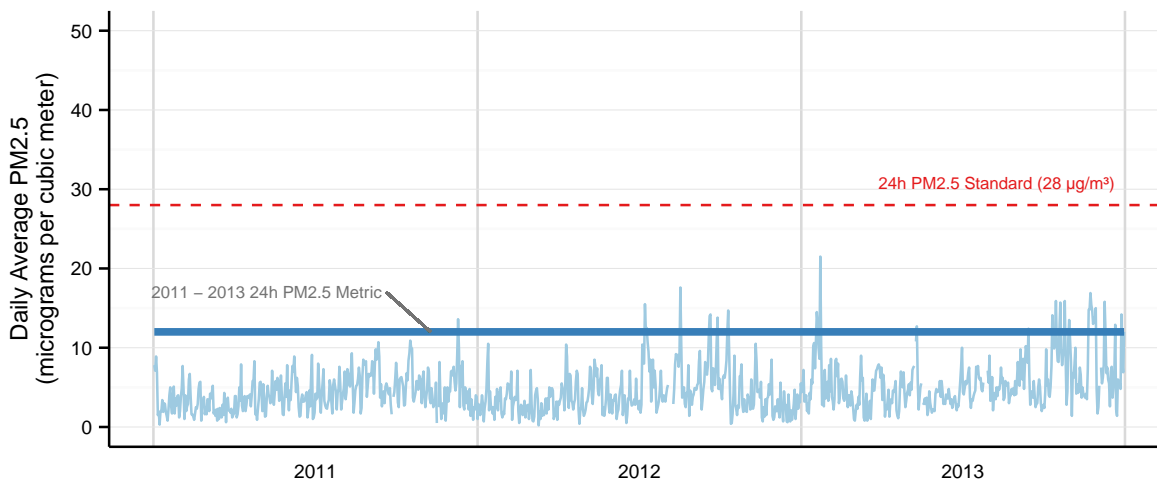
PM2.5 Annual Metric: 4.2 $\mu\text{g}/\text{m}^3$ (2 year average)



Surrey East monitoring station

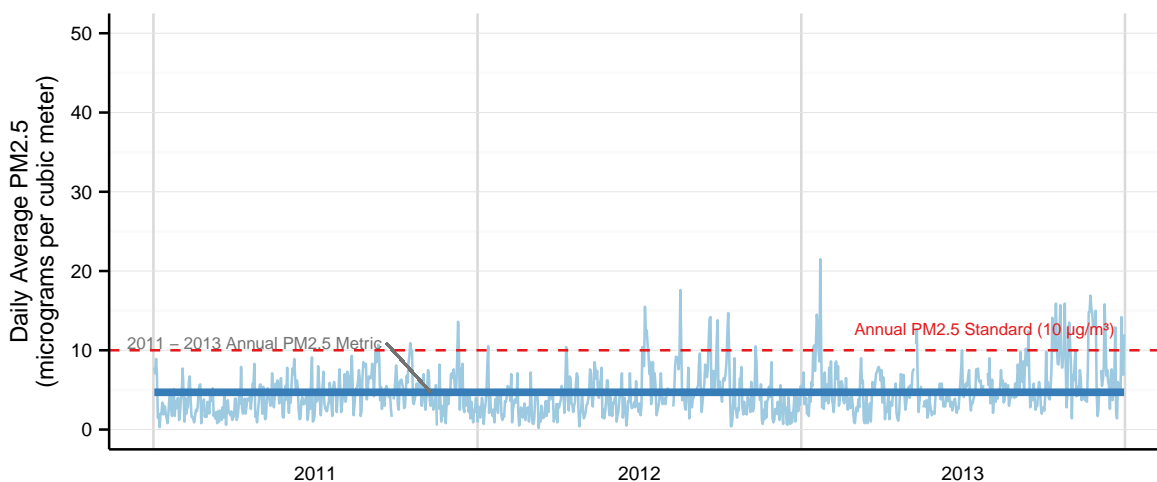
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 12 $\mu\text{g}/\text{m}^3$ (3 year average)



PM2.5 Annual Air Quality Standard: Achieved

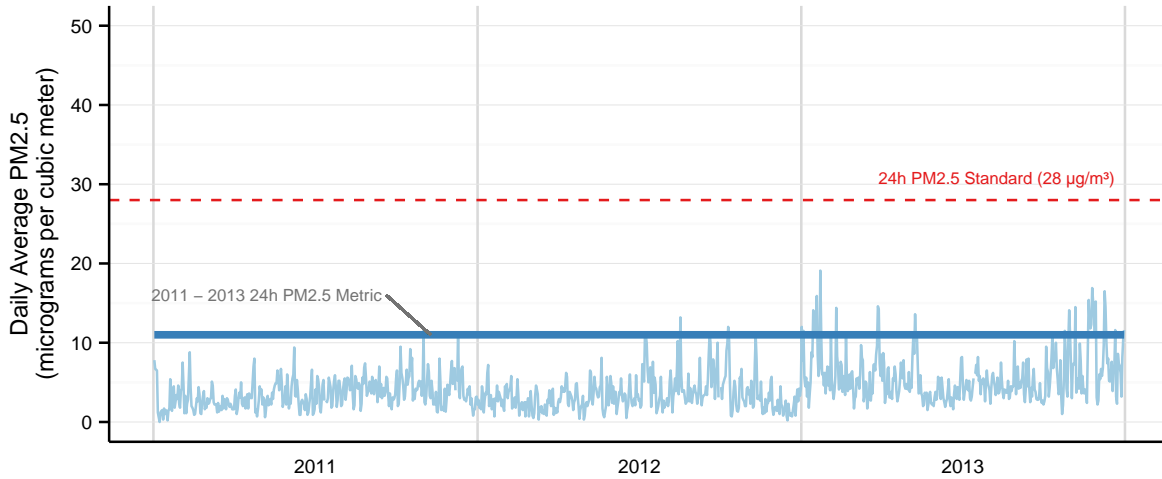
PM2.5 Annual Metric: 4.7 $\mu\text{g}/\text{m}^3$ (3 year average)



Tsawwassen monitoring station

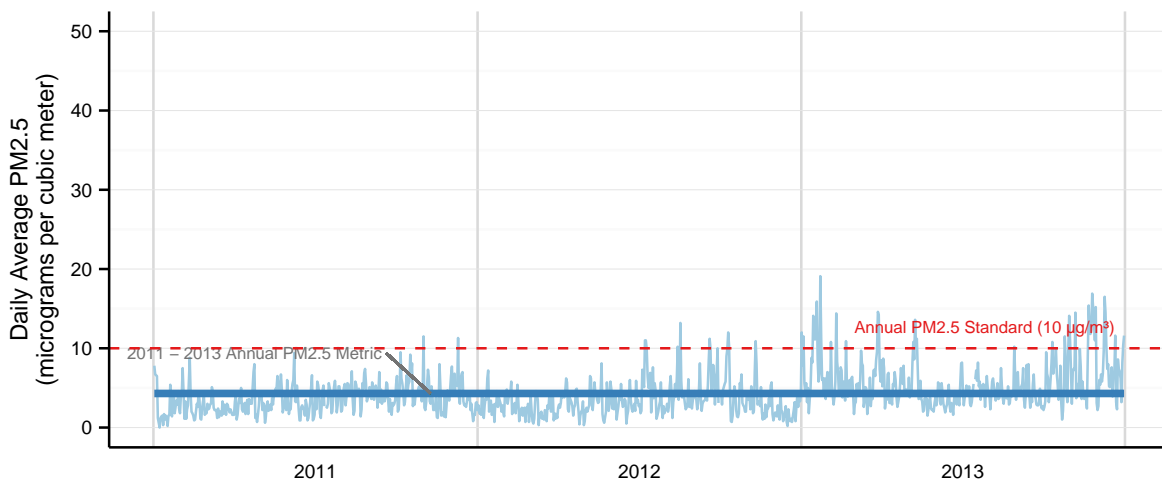
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 11 $\mu\text{g}/\text{m}^3$ (3 year average)



PM2.5 Annual Air Quality Standard: Achieved

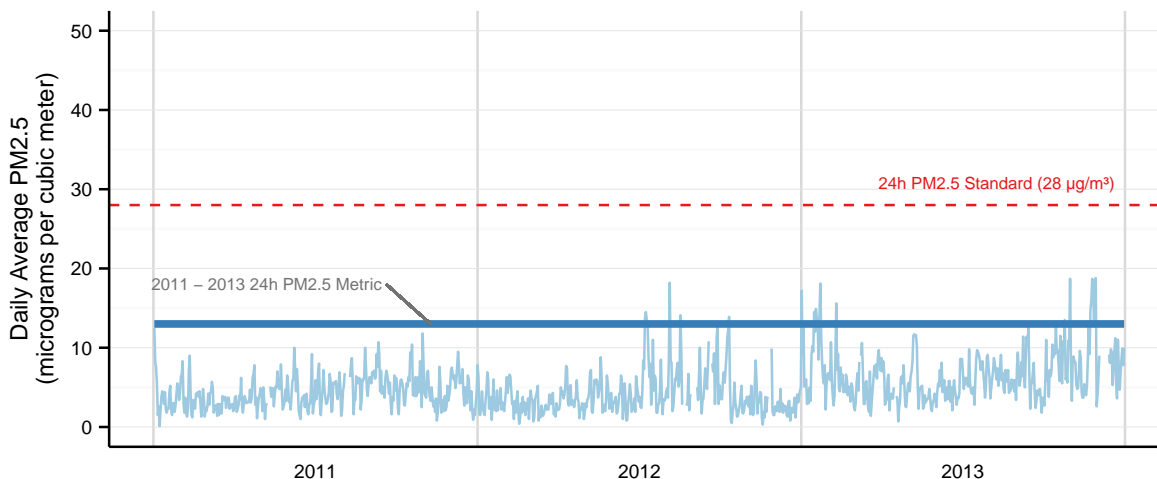
PM2.5 Annual Metric: 4.3 $\mu\text{g}/\text{m}^3$ (3 year average)



Vancouver-Kitsilano monitoring station

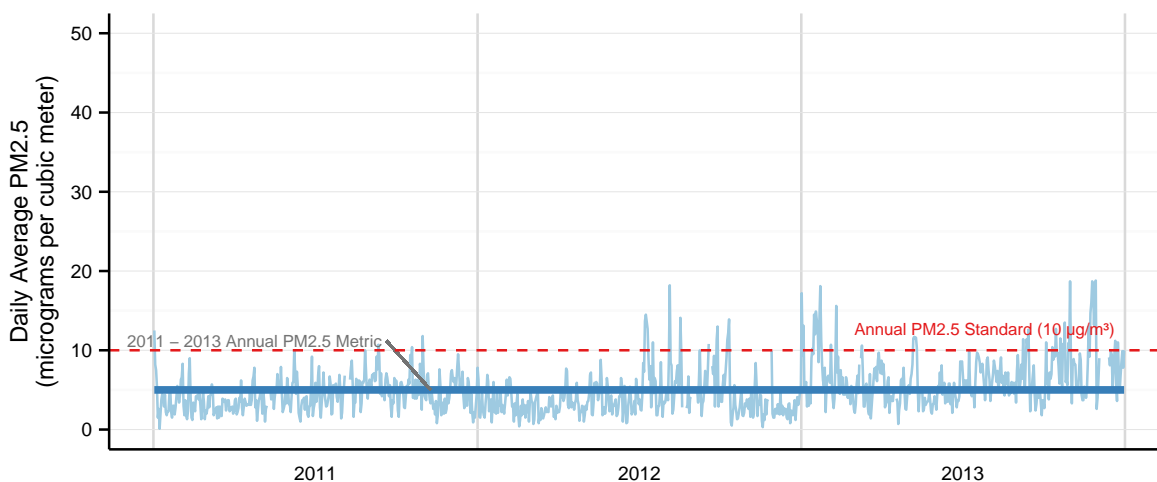
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 13 $\mu\text{g}/\text{m}^3$ (3 year average)



PM2.5 Annual Air Quality Standard: Achieved

PM2.5 Annual Metric: 5 $\mu\text{g}/\text{m}^3$ (3 year average)

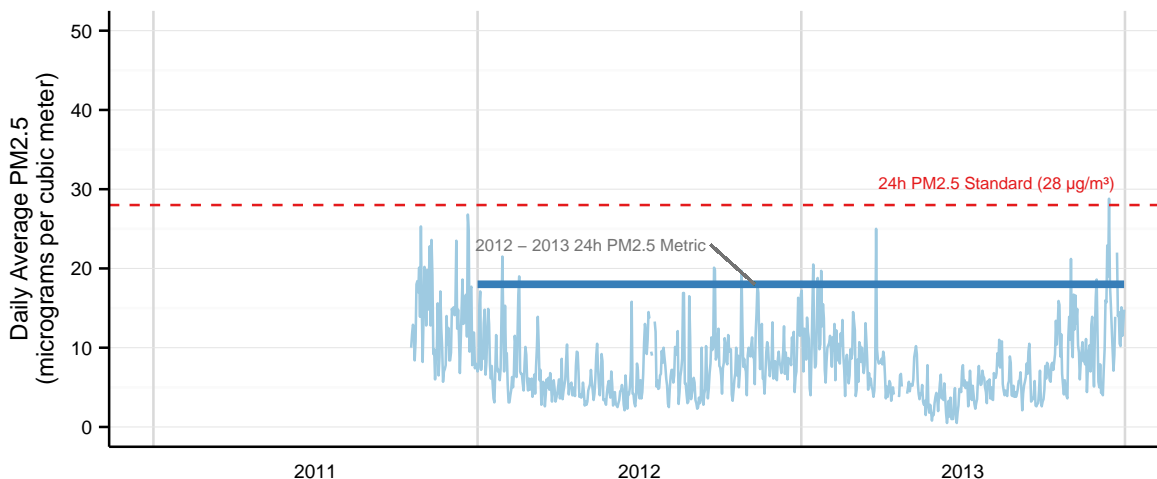


Southern Interior Air Zone

Castlegar Zinio Park monitoring station

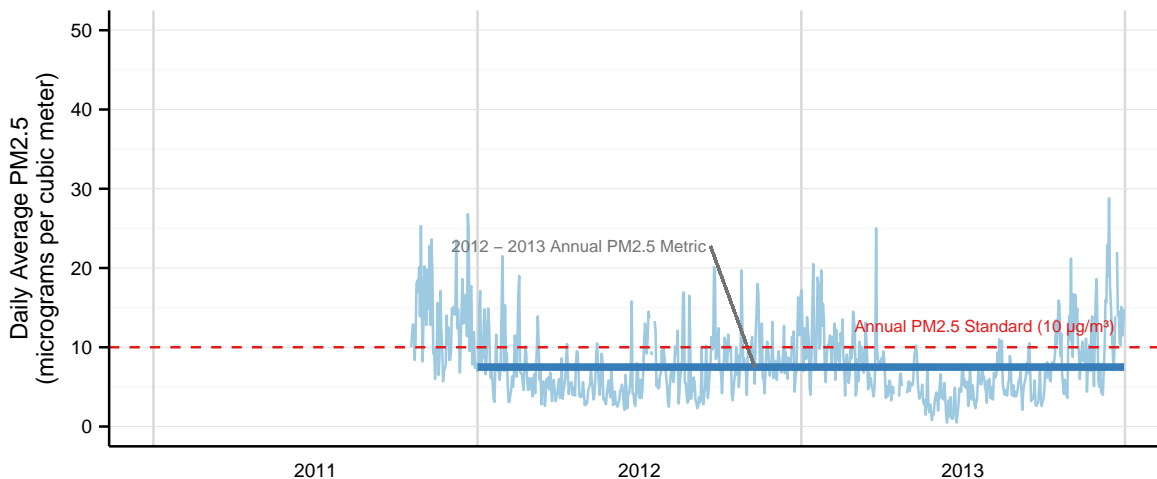
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 18 $\mu\text{g}/\text{m}^3$ (2 year average)



PM2.5 Annual Air Quality Standard: Achieved

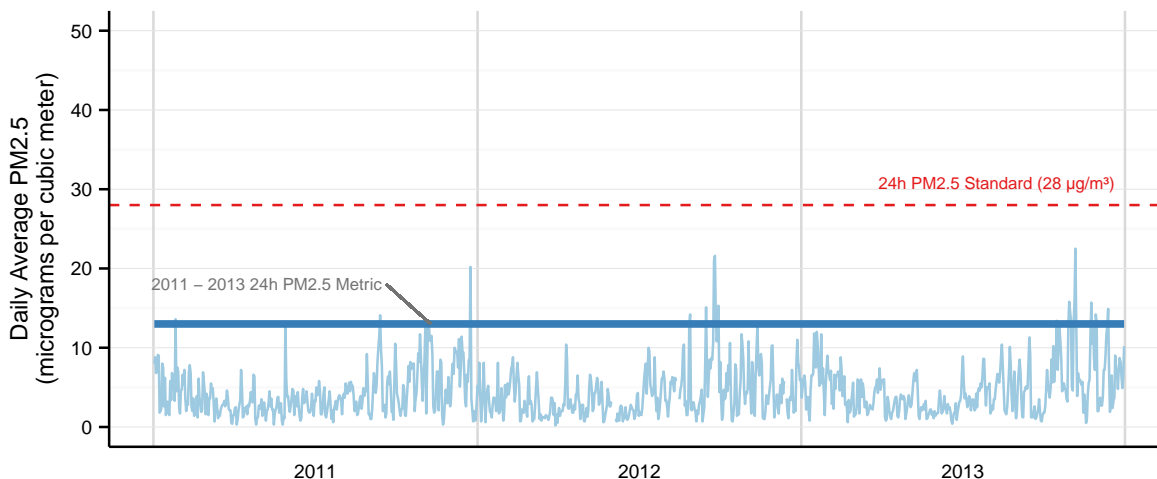
PM2.5 Annual Metric: 7.5 $\mu\text{g}/\text{m}^3$ (2 year average)



Creston PC School monitoring station

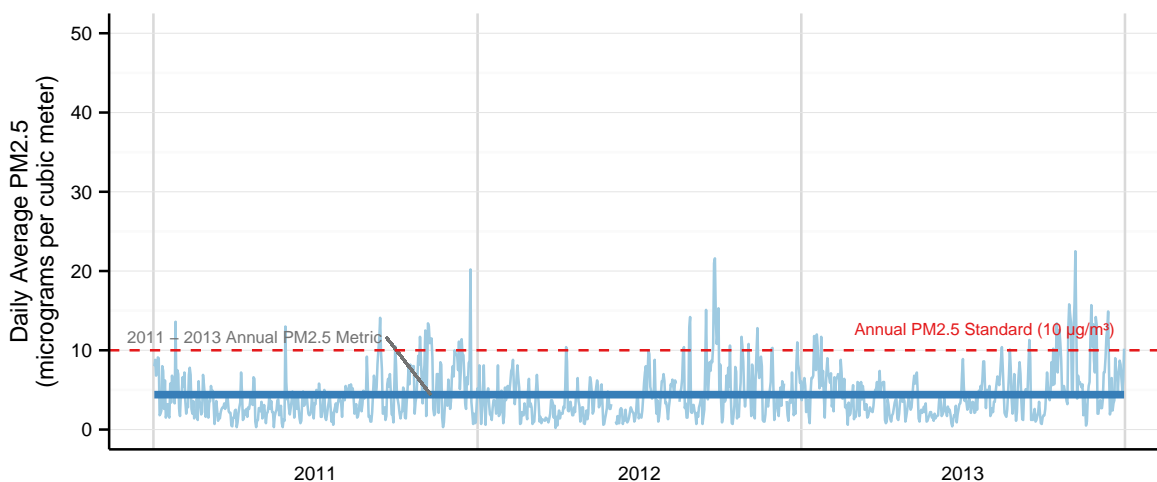
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 13 $\mu\text{g}/\text{m}^3$ (3 year average)



PM2.5 Annual Air Quality Standard: Achieved

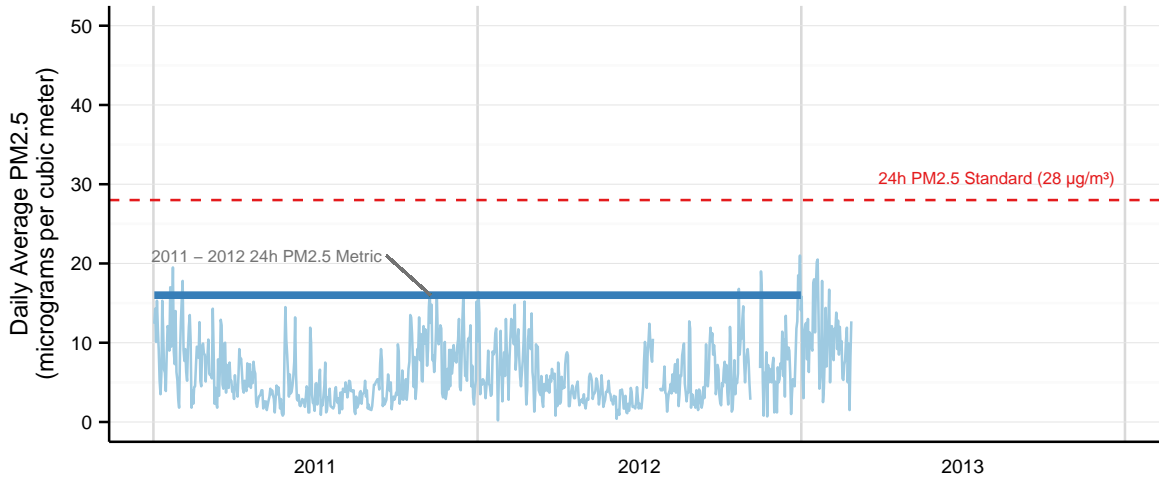
PM2.5 Annual Metric: 4.4 $\mu\text{g}/\text{m}^3$ (3 year average)



Golden Hospital monitoring station

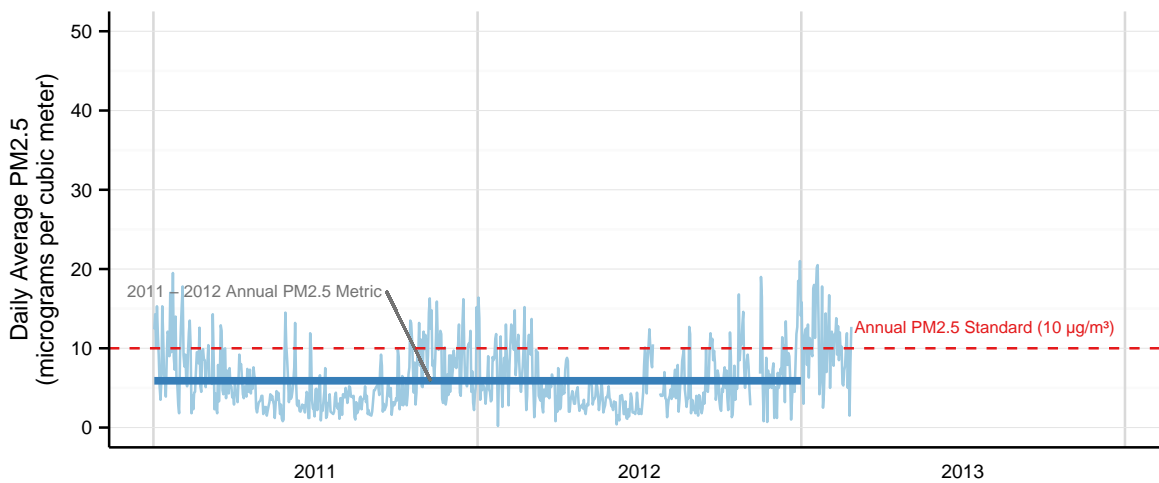
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 16 $\mu\text{g}/\text{m}^3$ (2 year average)



PM2.5 Annual Air Quality Standard: Achieved

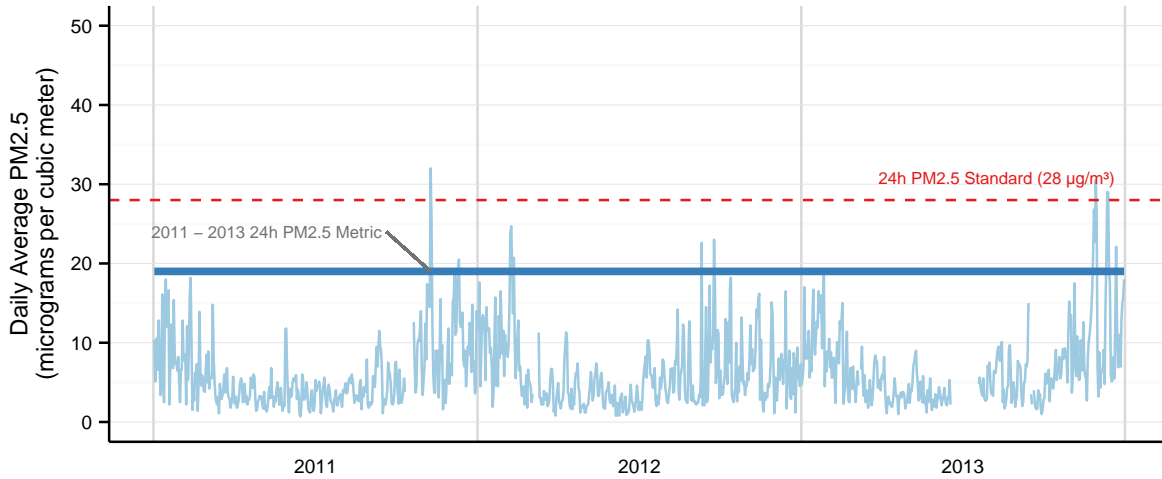
PM2.5 Annual Metric: 5.9 $\mu\text{g}/\text{m}^3$ (2 year average)



Grand Forks City Hall monitoring station

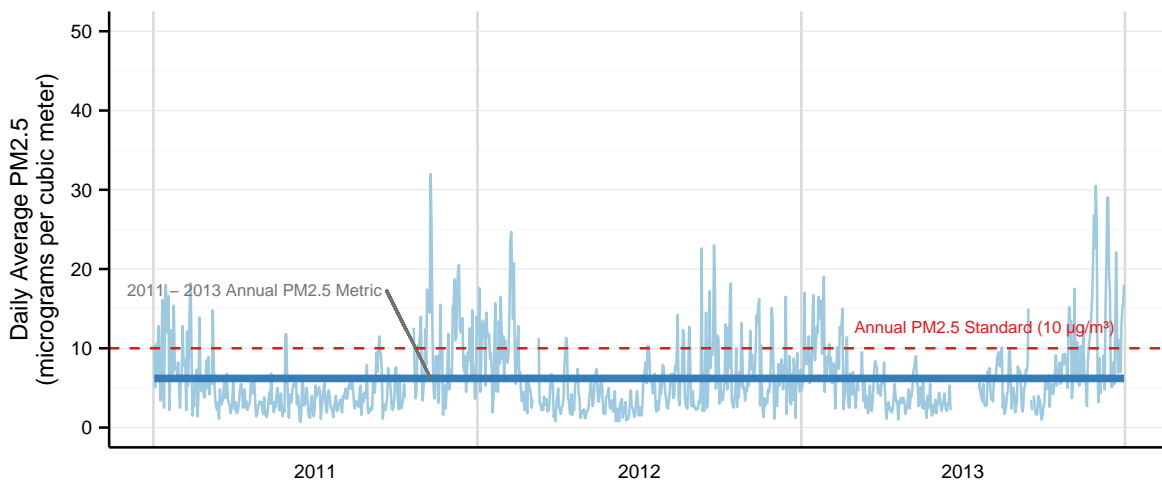
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 19 $\mu\text{g}/\text{m}^3$ (3 year average)



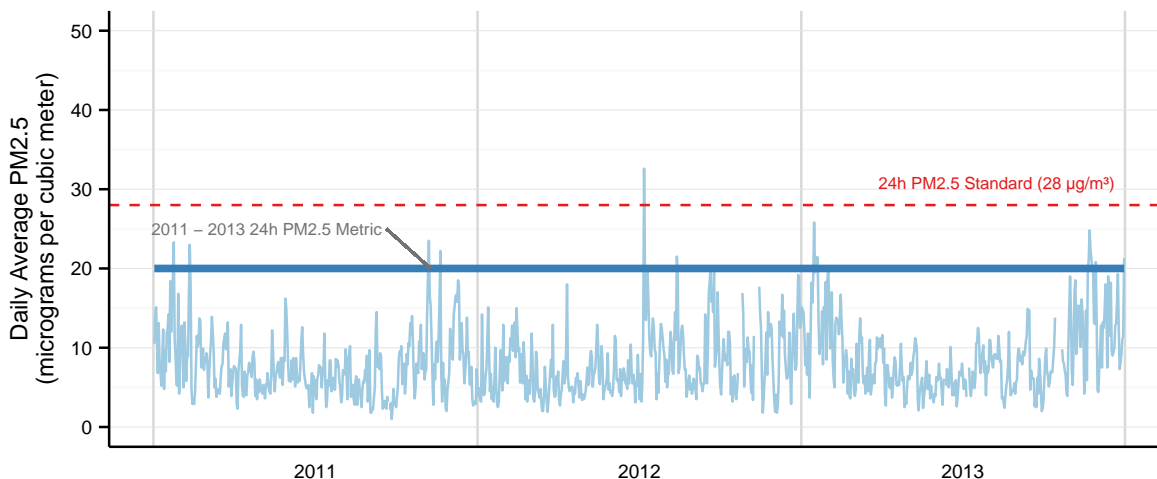
PM2.5 Annual Air Quality Standard: Achieved

PM2.5 Annual Metric: 6.2 $\mu\text{g}/\text{m}^3$ (3 year average)

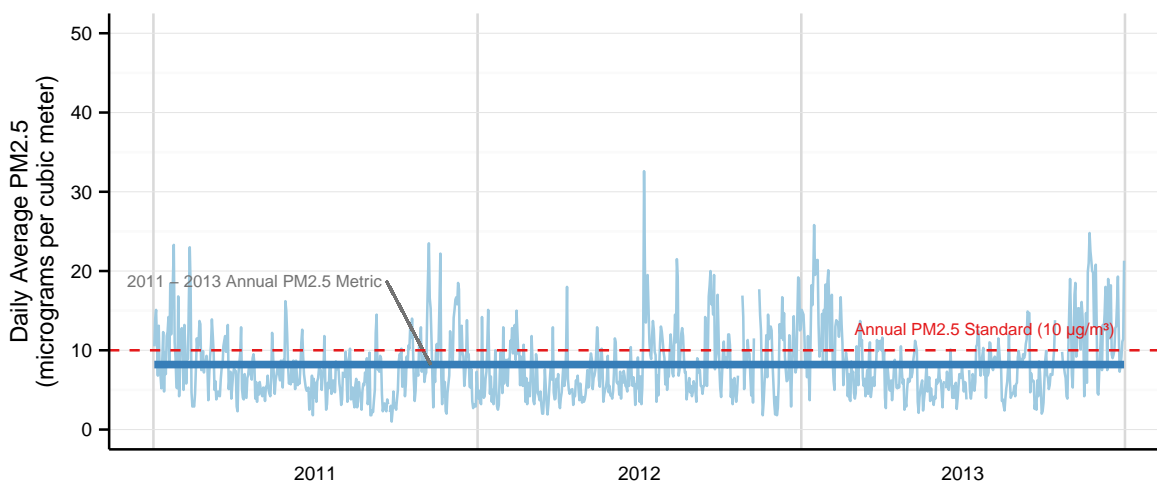


Kamloops Federal Building monitoring station

PM2.5 24-hour Air Quality Standard: Achieved
PM2.5 24-hour Metric: 20 $\mu\text{g}/\text{m}^3$ (3 year average)



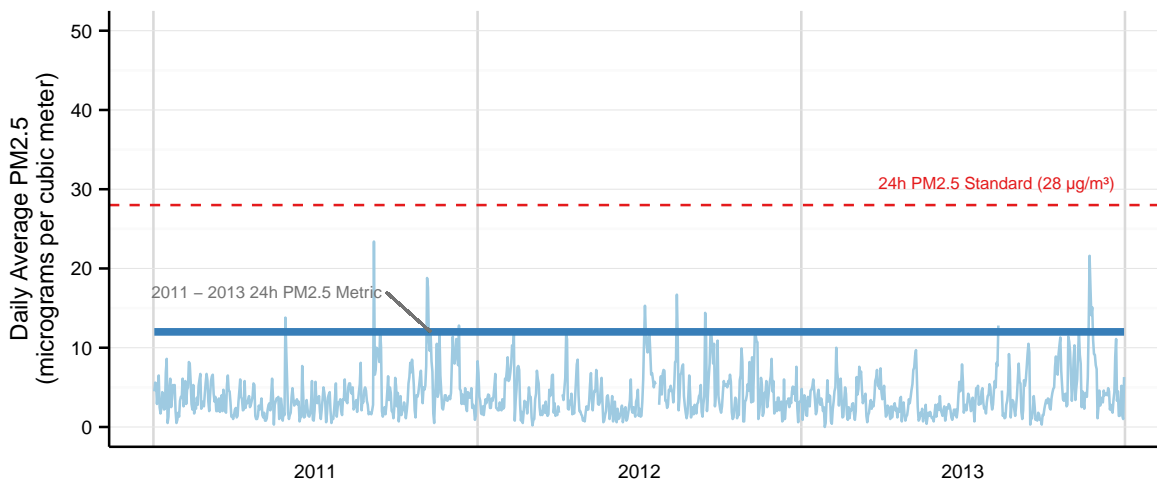
PM2.5 Annual Air Quality Standard: Achieved
PM2.5 Annual Metric: 8.2 $\mu\text{g}/\text{m}^3$ (3 year average)



Kelowna College monitoring station

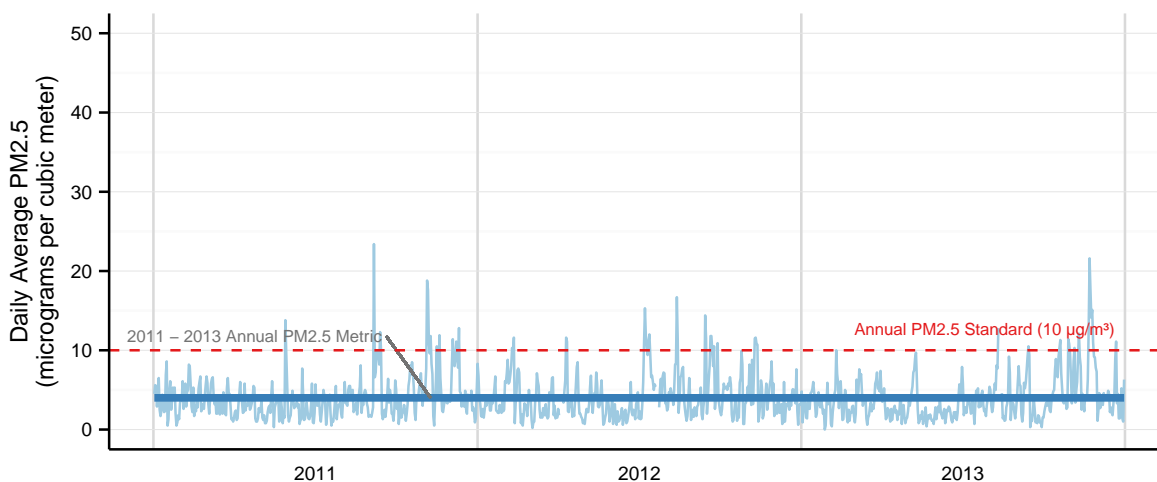
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 12 $\mu\text{g}/\text{m}^3$ (3 year average)



PM2.5 Annual Air Quality Standard: Achieved

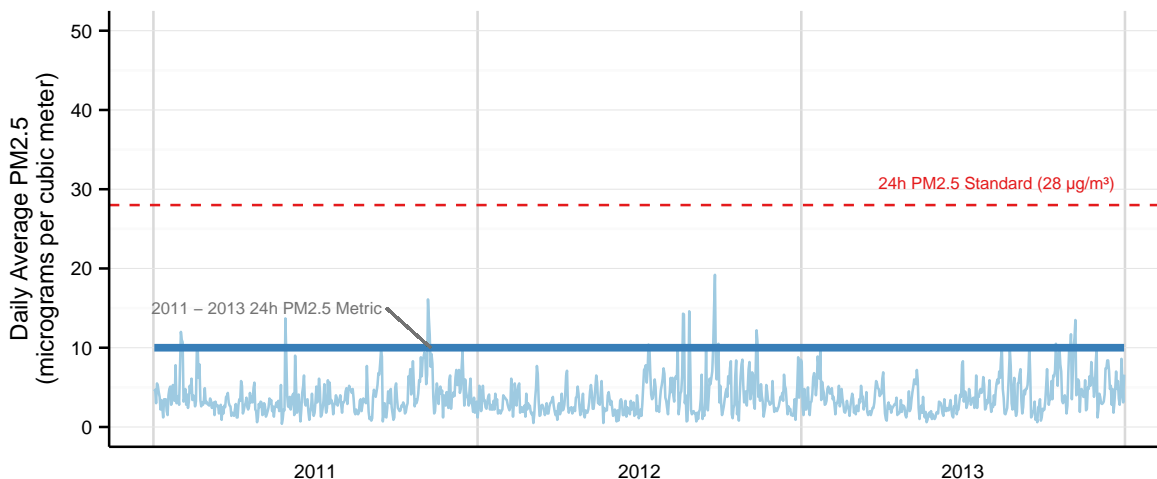
PM2.5 Annual Metric: 4 $\mu\text{g}/\text{m}^3$ (3 year average)



Nelson Kutenai Place monitoring station

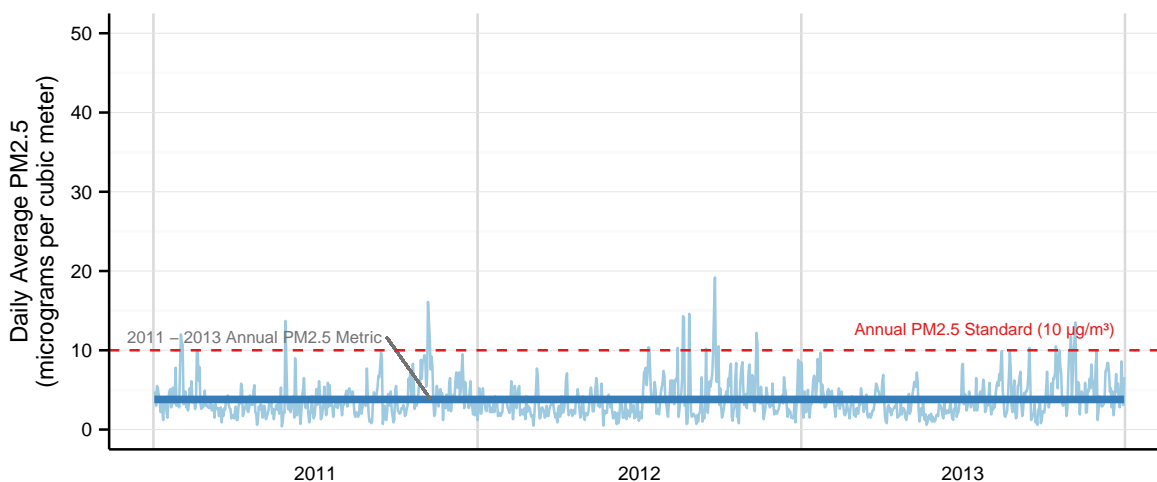
PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 10 $\mu\text{g}/\text{m}^3$ (3 year average)



PM2.5 Annual Air Quality Standard: Achieved

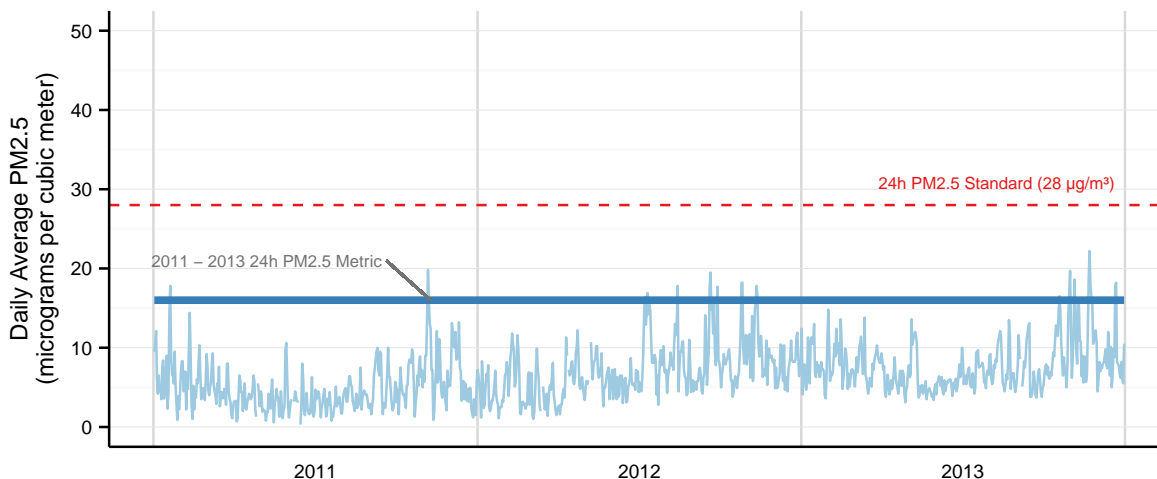
PM2.5 Annual Metric: 3.8 $\mu\text{g}/\text{m}^3$ (3 year average)



Vernon Science Centre monitoring station

PM2.5 24-hour Air Quality Standard: Achieved

PM2.5 24-hour Metric: 16 $\mu\text{g}/\text{m}^3$ (3 year average)



PM2.5 Annual Air Quality Standard: Achieved

PM2.5 Annual Metric: 6.6 $\mu\text{g}/\text{m}^3$ (3 year average)

