



Air

Status of Fine Particulate Matter in B.C. (2021-2023 & 2022-2024)

British Columbia has a network of air quality monitoring stations that measure fine particulate matter and other air contaminants. This indicator reports on the concentration of fine particulate matter from two reporting periods, 2021-2023 and 2022-2024. The data are reported as two metrics: an annual metric and a 24-hour metric, both based on three consecutive years of data. These metrics are compared against the [Canadian Ambient Air Quality Standards](#) to determine achievement and to define colour-based management levels. CAAQS were established by the [Canadian Council of Ministers of the Environment](#) in 2012 as a key element of the Air Quality Management System that collaboratively and comprehensively manages air quality in Canada.

Fine Particulate Matter (PM_{2.5}): Canadian Ambient Air Quality Standard

PM_{2.5} levels are calculated using **two** statistical forms called the annual metric and the 24-hour metric. The Canadian Ambient Air Quality Standard (CAAQS) for PM_{2.5} annual is **8.8 micrograms per cubic metre or lower**, and the standard value for PM_{2.5} 24-hour is **27 micrograms per cubic metre (µg/m³) or lower**.

PM_{2.5} standards are achieved when annual levels are $\leq 8.8 \mu\text{g}/\text{m}^3$ and 24-hour levels are $\leq 27 \mu\text{g}/\text{m}^3$. More stringent 2030 CAAQS for PM_{2.5} apply in the 2027-2030 reporting period, with an annual metric of $8.0 \mu\text{g}/\text{m}^3$ and 24-hour metric of $23 \mu\text{g}/\text{m}^3$.

What is an Air Zone?

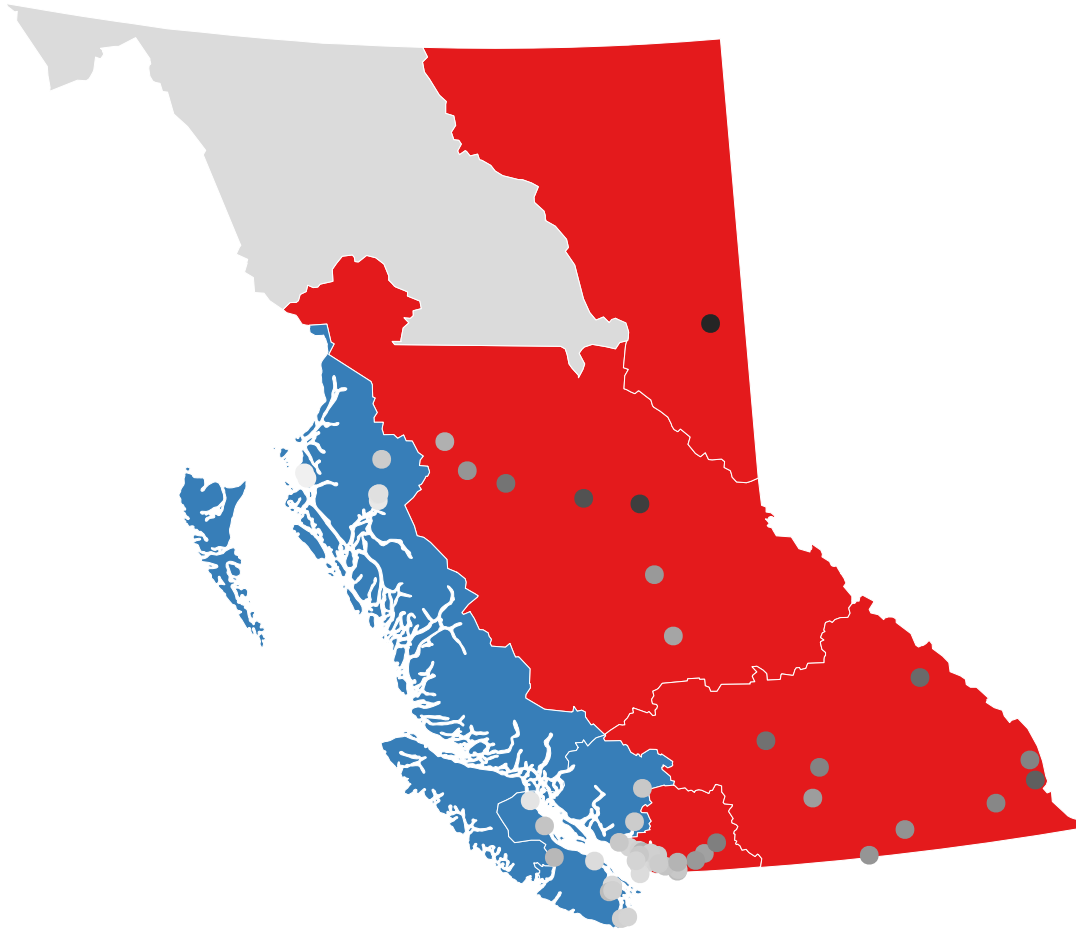
British Columbia is divided up into seven air zones, which are areas that typically exhibit similar air quality characteristics, issues, and trends.

- **Fine particulate matter is a type of air contaminant.** Fine particulate matter (PM_{2.5}) refers to solid or liquid particles floating in air that are less than 2.5 microns in diameter, or less than 1/20th the width of a human hair. Major sources include wildfire smoke, residential woodburning, open burning, mining, vehicular emissions, and industrial operations ([Air Pollutant Emissions Inventory Report 2026](#)).
- **Fine particulate matter can be harmful to humans.** Exposure to fine particulate matter has been associated with severe public health impacts including heart and lung diseases ([Health Canada, 2022](#)). Both short-term and long-term exposures to fine particulate matter can have negative effects on human health even at low concentrations.
- **2021-2023: fine particulate matter levels met the Canadian Ambient Air Quality Standards at 66 percent of assessed monitoring stations in B.C.** There are two metrics for PM_{2.5}—an annual standard metric and a 24-hour metric (see sidebar). The annual standard was met at 44 of the 56 stations (79%) for which valid data were obtained, while the 24-hour standard was met at 37 of the 56 stations (66%) with sufficient data for analysis.

- **2022-2024: fine particulate matter levels met the Canadian Ambient Air Quality Standards at 70 percent of assessed monitoring stations in B.C.** The annual standard was met at 47 of the 57 stations (82%) for which valid data were obtained, while the 24-hour standard was met at 40 of the 57 stations (70%) with sufficient data for analysis.
- **During both periods, fine particulate matter levels achieved the annual Canadian Ambient Air Quality Standards in three of B.C.'s seven air zones, and met the 24-hour standard in two air zones.** The Coastal and Georgia Strait air zones met both the PM_{2.5} annual and 24-hour standards. The Central Interior air zone exceeded the PM_{2.5} 24-hour standard at Houston, and the PM_{2.5} annual standard at Vanderhoof. The Southern Interior air zone exceeded the PM_{2.5} annual standard at Grand Forks in 2023 and Golden Helipad in 2024. There are currently no [air quality monitoring stations](#) in the Northwest air zone.
- **Fine particulate matter levels are used to set management levels for each air zone.** The four management levels and the recommended actions are: (1) green (actions for keeping clean areas clean); (2) yellow (actions for preventing air quality deterioration); (3) orange (actions for preventing Canadian Ambient Air Quality Standard exceedance); and (4) red (actions for achieving air zone Canadian Ambient Air Quality Standard). Each management level corresponds to actions that become more rigorous as the level of fine particulate matter approaches CAAQS.

The map and charts below show the levels of PM_{2.5} at individual monitoring stations, and the assigned management levels for each of B.C.'s air zones. Each point shown on the map represents an air quality monitoring station with colours that describe the management level after removing the effects of wildfires and transboundary flows. The colour of each region is the management level assigned for the entire air zone, with values based on the station with the highest level of PM_{2.5}. The results shown here are based on the 2022-2024 and 2021-2023 reporting periods.

Status of 24-hour PM_{2.5} Levels in B.C. Air Zones (2022-2024)



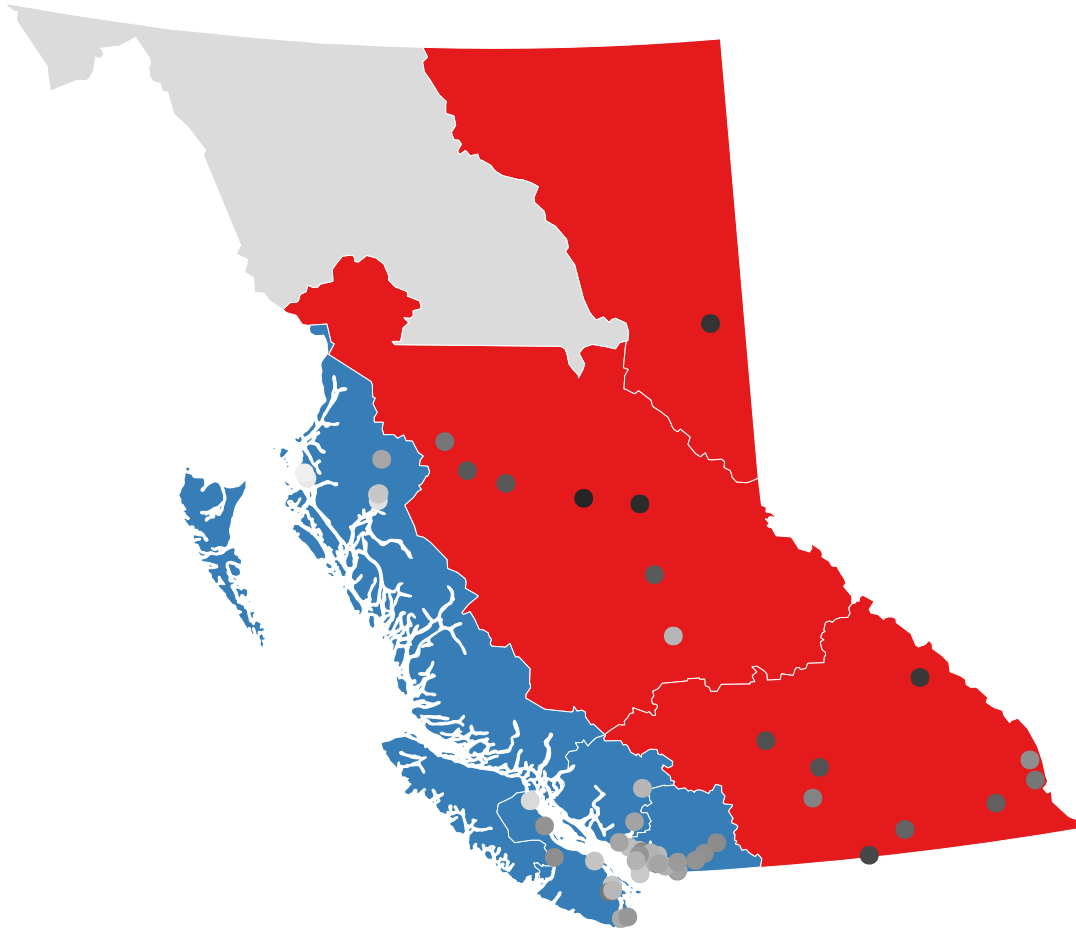
Airzones:
PM_{2.5} 24h Air Quality Standard

Insufficient Data
 Achieved
 Not Achieved

Monitoring Stations:
PM_{2.5} 24h Metric (µg/m³)



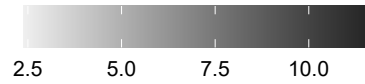
Status of Annual PM_{2.5} Levels in B.C. Air Zones (2022-2024)



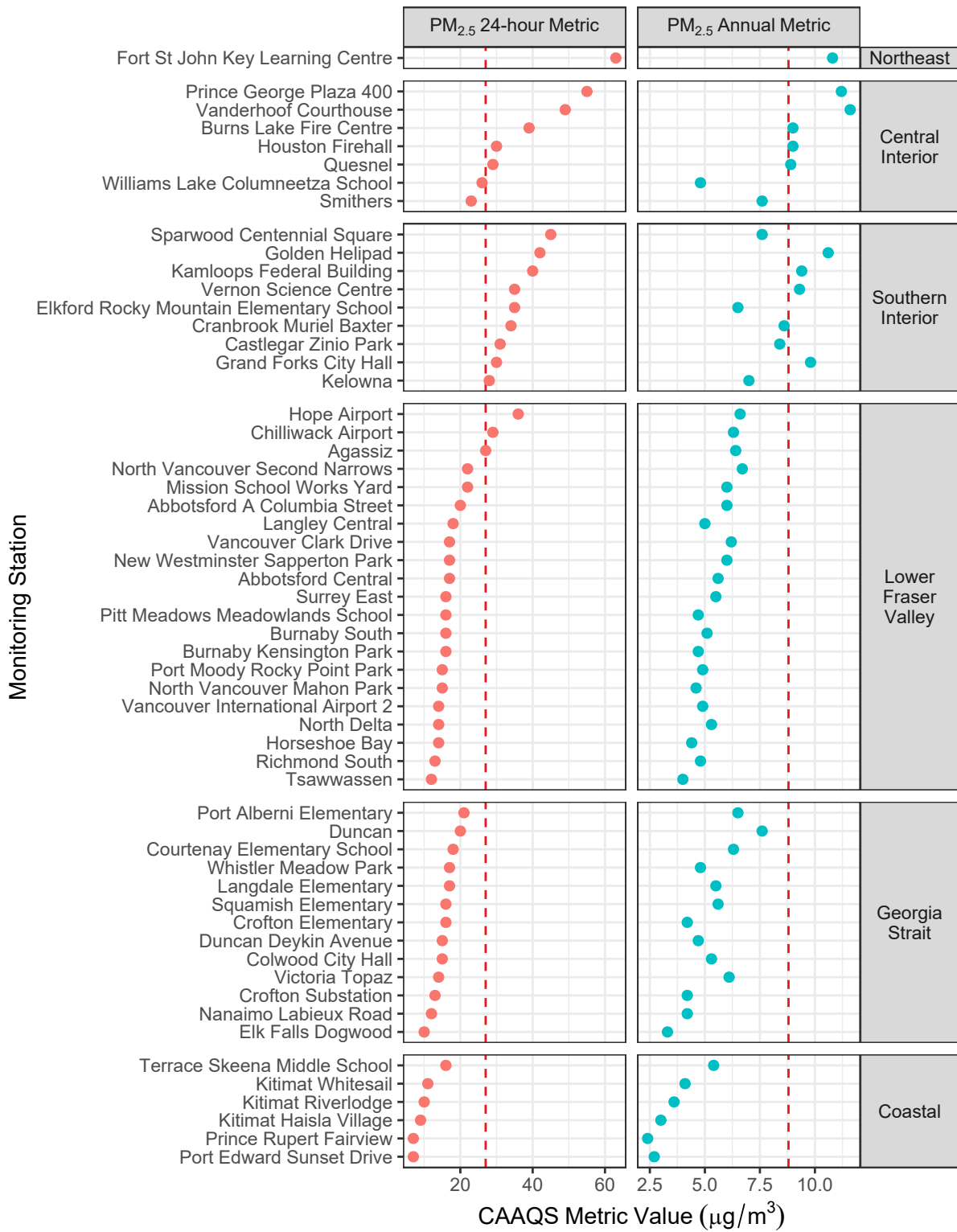
Airzones:
PM_{2.5} Annual Air Quality Standard

Insufficient Data Achieved Not Achieved

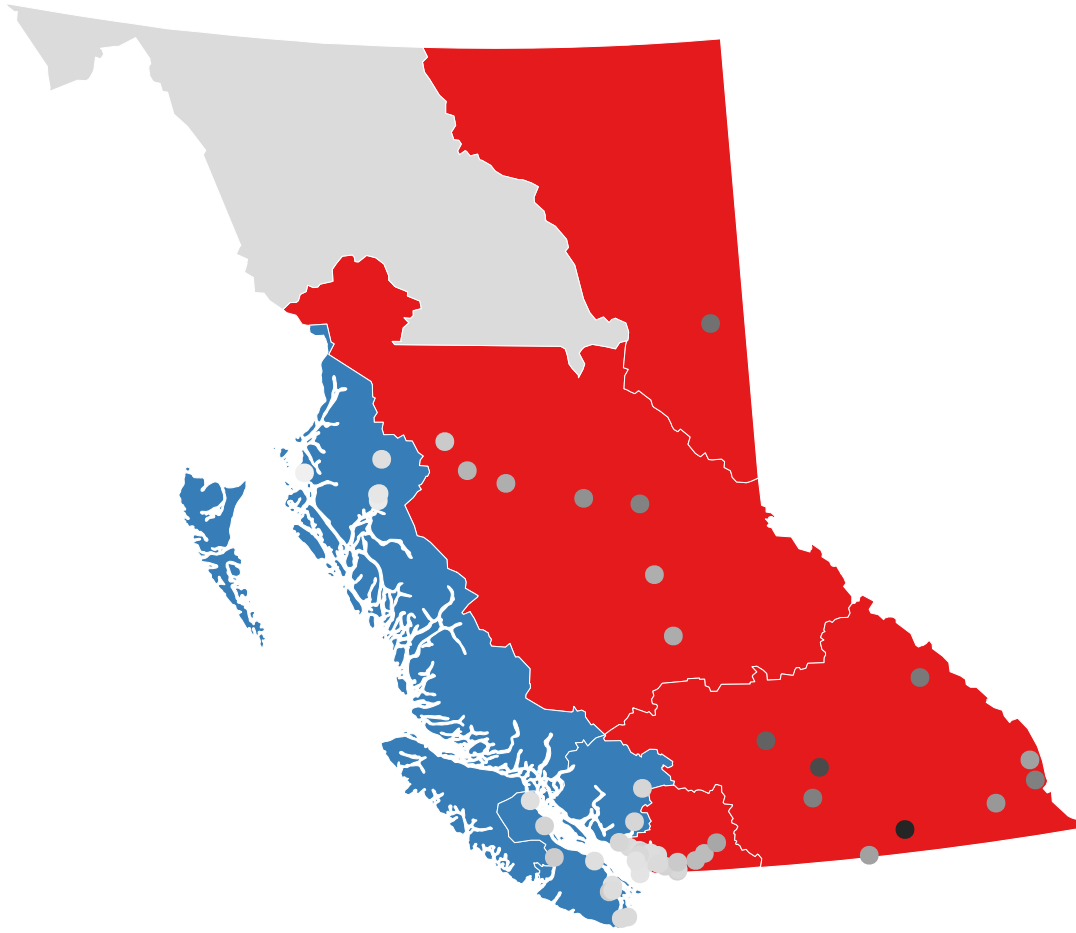
Monitoring Stations:
PM_{2.5} Annual Metric (µg/m³)



PM_{2.5} Metrics for Air Monitoring Stations within B.C. Air Zones (2022-2024)



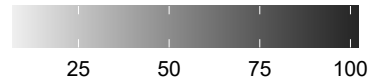
Status of 24-hour PM_{2.5} Levels in B.C. Air Zones (2021-2023)



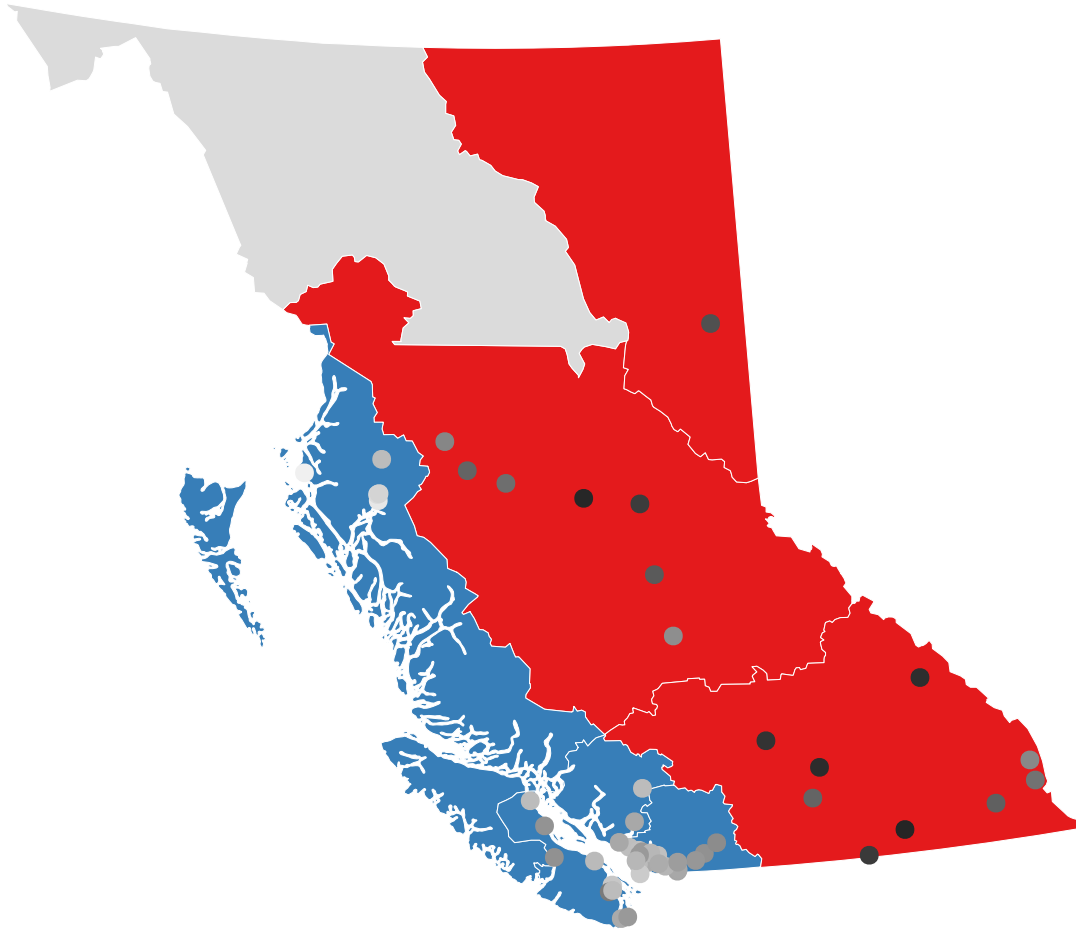
Airzones:
PM_{2.5} 24h Air Quality Standard

Insufficient Data
 Achieved
 Not Achieved

Monitoring Stations:
PM_{2.5} 24h Metric (µg/m³)



Status of Annual PM_{2.5} Levels in B.C. Air Zones (2021-2023)



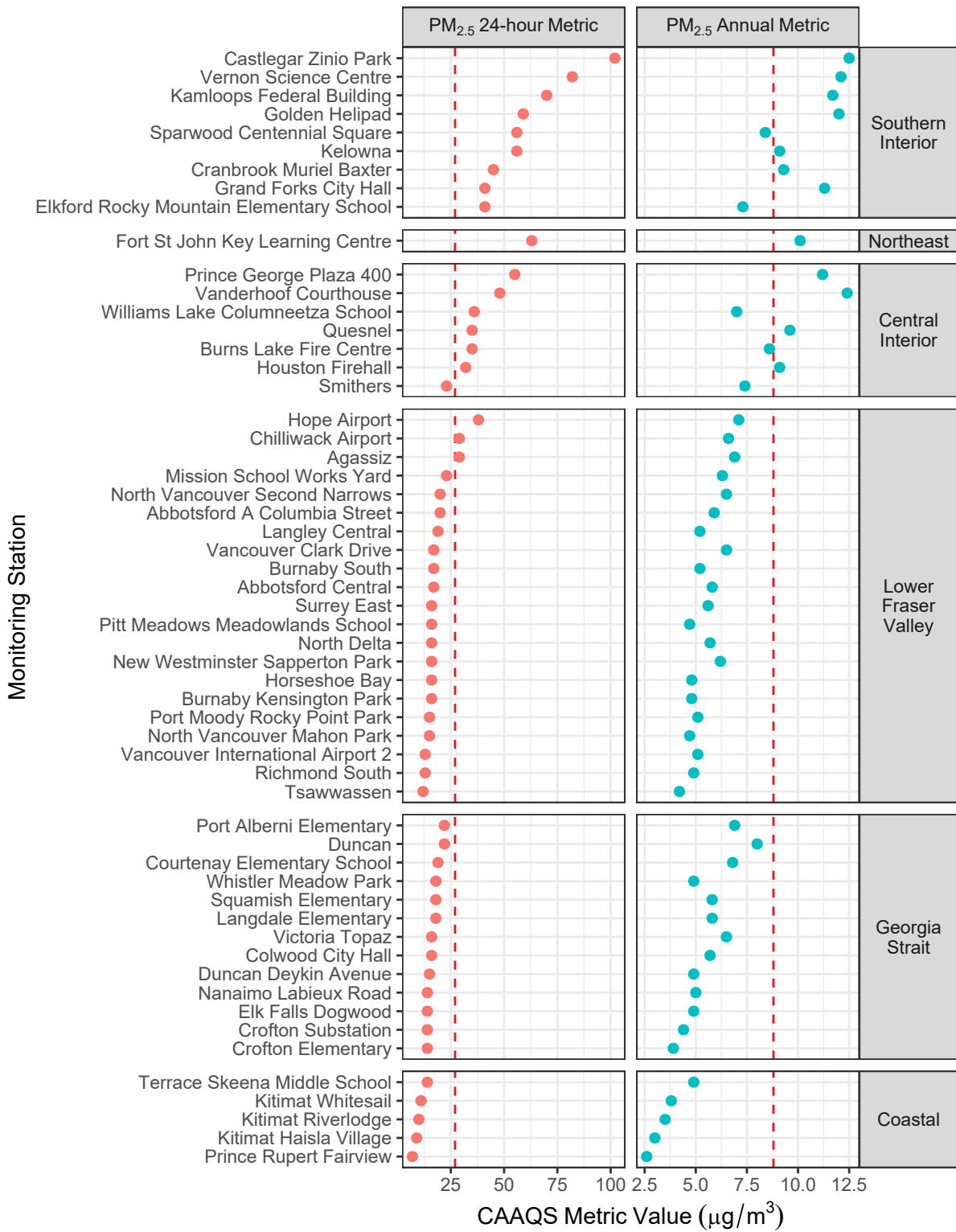
Airzones:
PM_{2.5} Annual Air Quality Standard

Insufficient Data
 Achieved
 Not Achieved

Monitoring Stations:
PM_{2.5} Annual Metric (µg/m³)

5.0 7.5 10.0 12.5

PM_{2.5} Metrics for Air Monitoring Stations within B.C. Air Zones (2021-2023)



More about the Canadian Ambient Air Quality Standard fine particulate matter metrics:

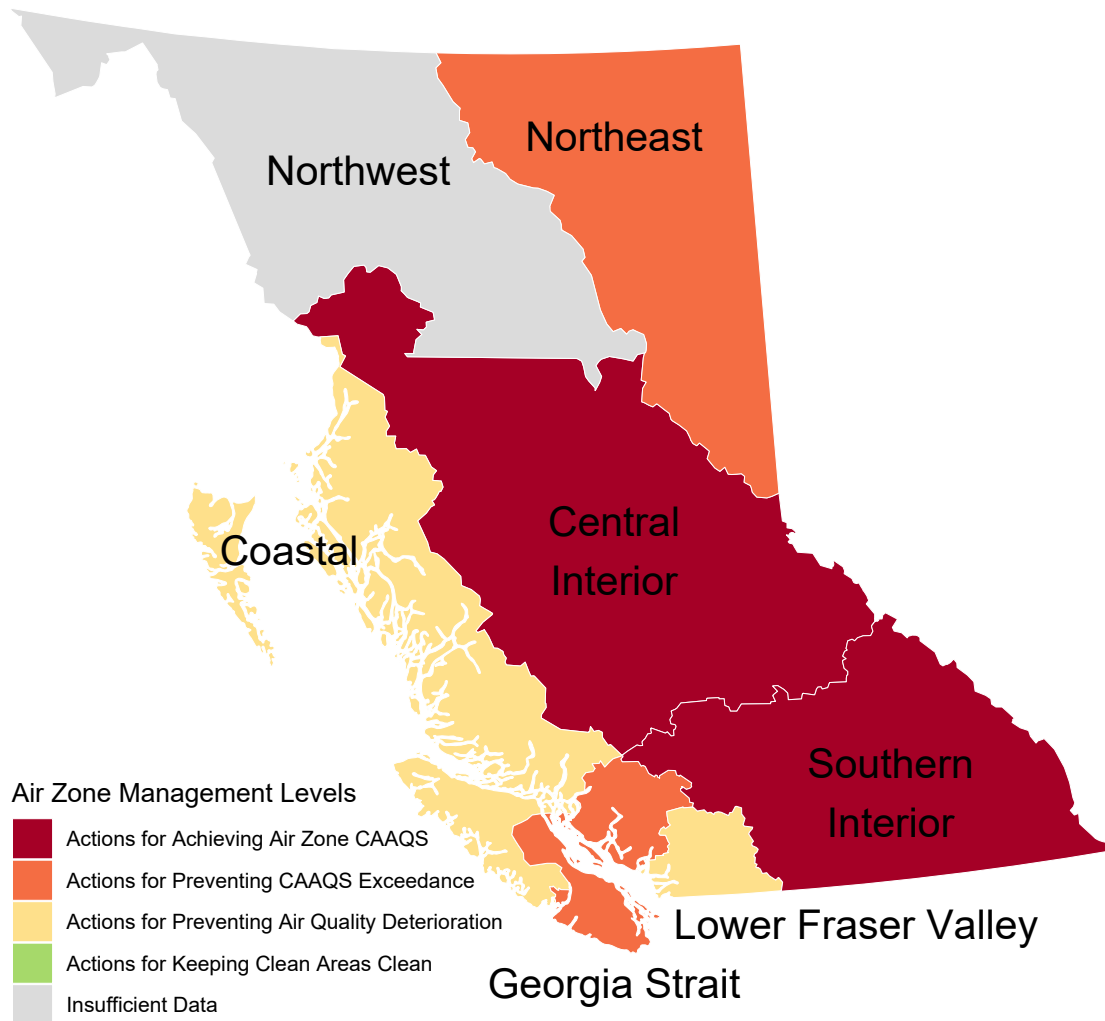
- There are two Canadian Ambient Air Quality Standards for fine particulate matter (PM_{2.5}). The statistical form of the PM_{2.5} annual metric is the 3-year average of the annual average concentration of PM_{2.5}. The statistical form of the PM_{2.5} 24-hour metric is the 3-year average of the annual 98th percentile of the daily average concentrations of PM_{2.5}.
- The PM_{2.5} metric for an air zone is the highest PM_{2.5} metric value reported from monitoring stations within the air zone.
- Criteria for data completeness and sufficiency of the PM_{2.5} annual and 24-hour metrics are described in the [Guidance Document on Achievement Determination: Canadian Ambient Air Quality Standards for Fine Particulate Matter and Ozone \(2012\)](#).
- Air quality monitoring stations with at least two years of valid data from 2022-2024 were included in this indicator. Visit [Current Air Quality Data](#) for a list of currently active air quality monitoring stations across B.C.

Canada-wide Air Quality Management System

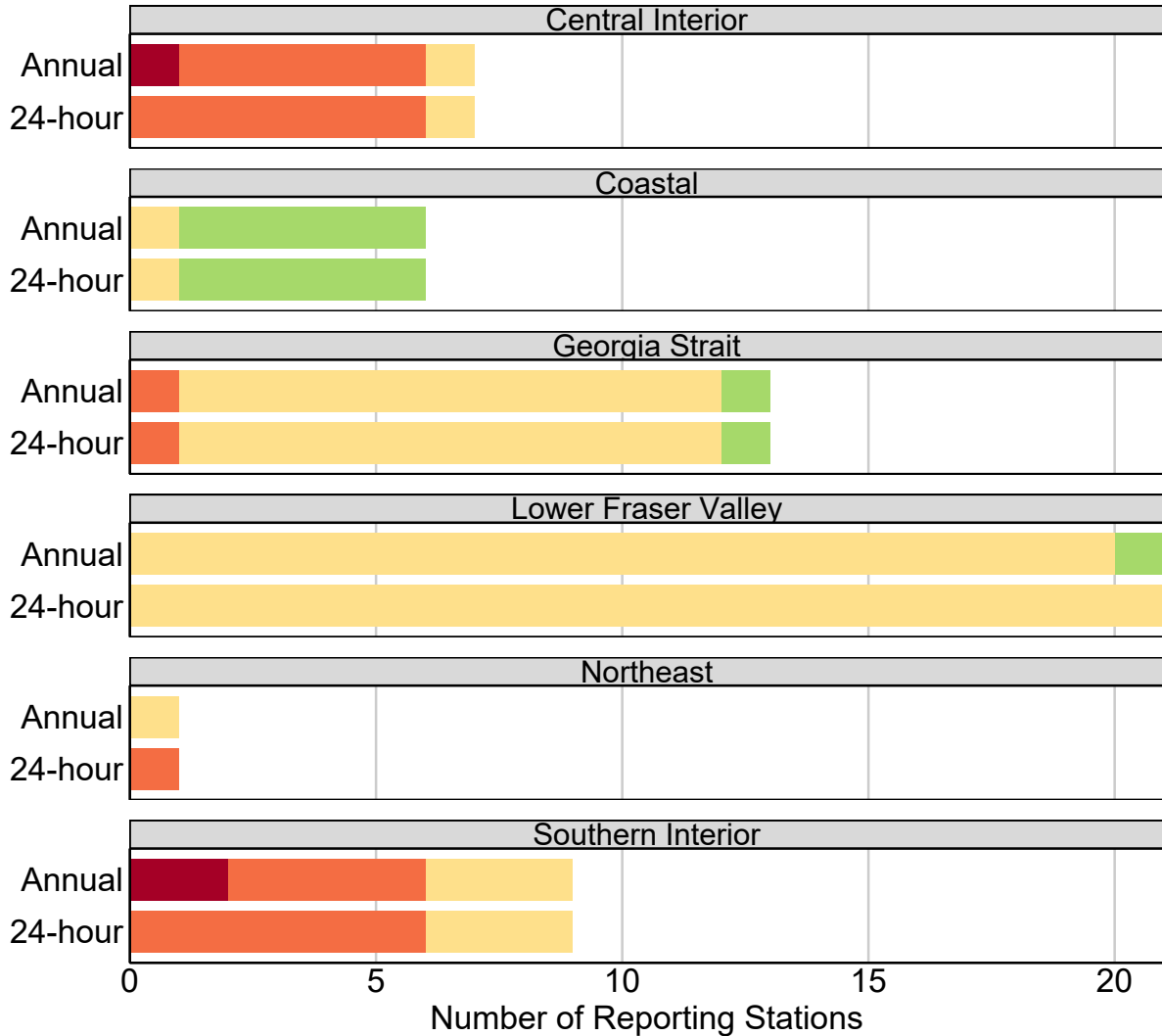
The Air Quality Management System is Canada's approach for protecting air quality. Under the Air Quality Management System, provinces and territories monitor, report and manage local air quality within air zones, with the goal of continuously improving air quality and keeping pollutants below the Canadian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

- 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 air zone management levels for fine particulate matter based on the higher of the annual and 24-hour fine particulate matter levels reported from monitoring stations within the air zone.
- The four management levels and the recommended actions are (1) green (actions for keeping clean areas clean); (2) yellow (actions for preventing air quality deterioration); (3) orange (actions for preventing Canadian Ambient Air Quality Standard exceedance); and (4) red (actions for achieving air zone Canadian Ambient Air Quality Standard). Each management level corresponds to actions that become more rigorous as the level of fine particulate matter approaches CAAQS. Suggested actions for each management level are outlined in the [Guidance Document on Air Zone Management \(2019\) \(PDF\)](#).
- The Central Interior and Southern Interior air zone were assigned to a red management level, the Georgia Strait air zone to an orange management level, and the Coastal, Lower Fraser Valley, and Northeast air zones were assigned to a yellow management level. There are currently no [air monitoring stations](#) in the Northwest air zone.

Air Quality Management Levels in B.C. Air Zones (2022-2024)



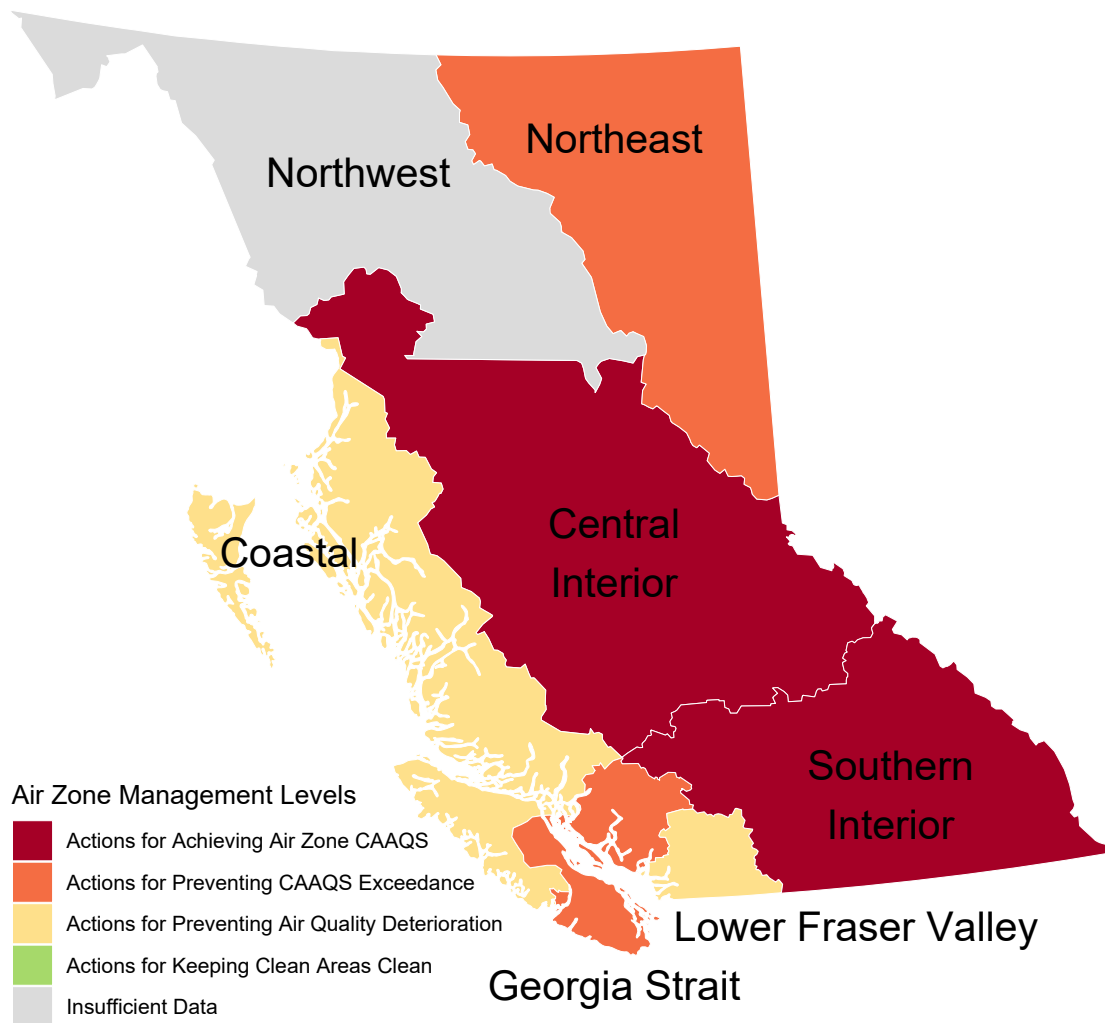
Station-Level Air Quality Management Levels Within Air Zones (2022-2024)



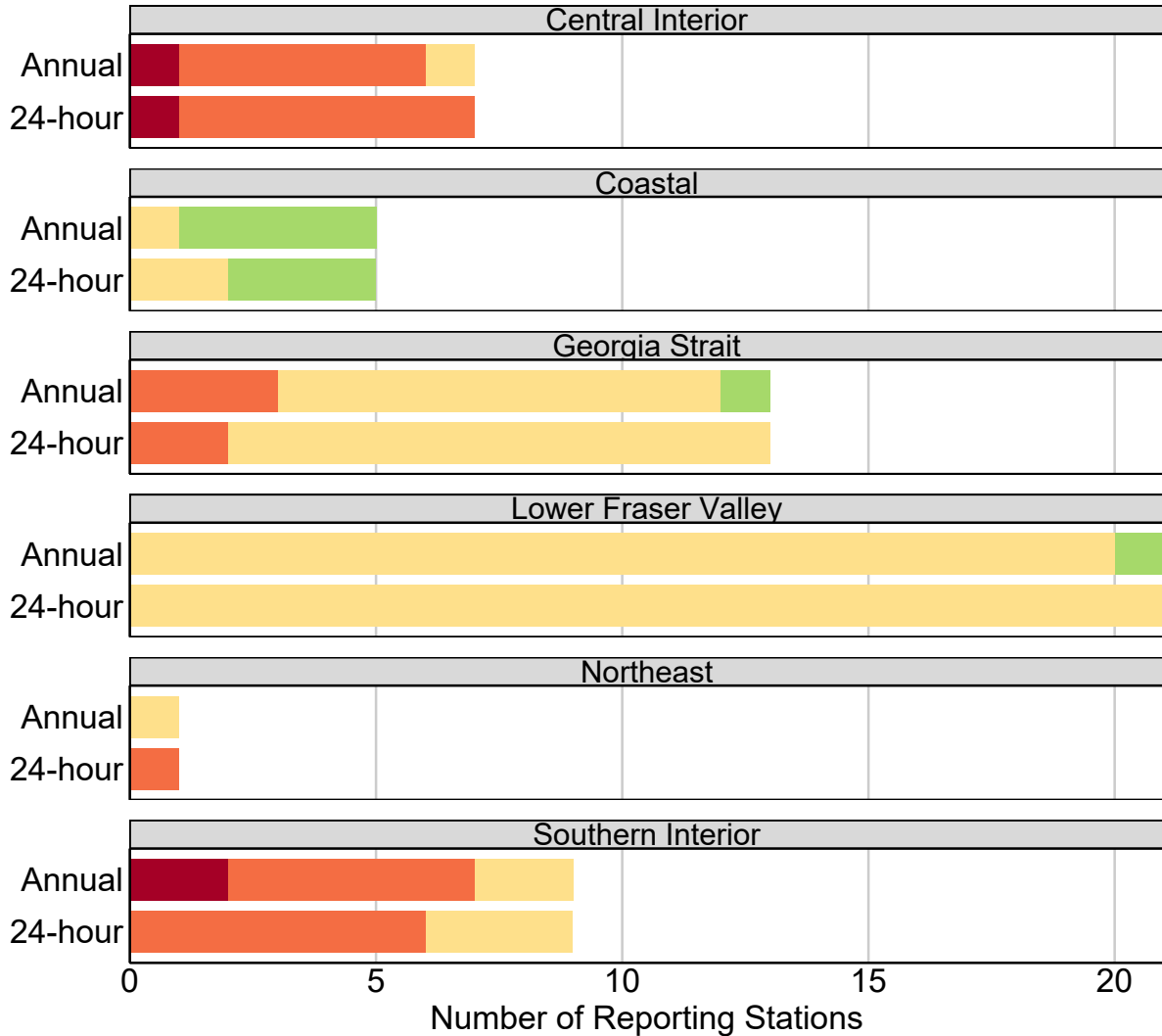
Air Zone Management Levels

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

Air Quality Management Levels in B.C. Air Zones (2021-2023)



Station-Level Air Quality Management Levels Within Air Zones (2021-2023)



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

More about the Air Quality Management System management levels:

- There can be cases when an air zone does not achieve a given Canadian Ambient Air Quality Standard because of sources over which jurisdictions have little or no control, such as those related to transboundary flows and exceptional events, like forest fires.
- Prior to 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.

- During the wildfire season (May-October), 58 monitoring stations in the 2021-2023 reporting period and 57 stations in 2022-2024 reporting period recorded one or more days where the daily fine particulate matter concentration was determined to be influenced by smoke from wildfires and exceeded the 24-hour standard of $27 \mu\text{g}/\text{m}^3$. Those daily concentrations were removed from the calculations of management levels, resulting in a change from red to yellow for the Lower Fraser Valley air zone.

Methods

The methods used to develop this indicator—including procedures, data requirements, and calculation of the Canadian Ambient Air Quality Standard fine particulate matter metrics—are detailed in the [Guidance Document on Achievement Determination: Canadian Ambient Air Quality Standards for Fine Particulate Matter and Ozone \(2012\)](#) published by the [Canadian Council of Ministers of the Environment](#).

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](#). Download the 'rcaqs' package from [GitHub](#). The source code for repeating the analysis presented on this page is also available on [GitHub](#).

References and Other Useful Links

- [Access B.C.'s real-time data on air pollutants and find locations of all provincial air monitoring stations in B.C.](#)
- [Air Pollutant Emissions Inventory Report 2026](#)
- [BC Lung Association's BC State of the Air Reports](#)
- [Canadian Ambient Air Quality Standards](#)
- [Canadian Council of Ministers of the Environment](#)
- [Canadian Environmental Sustainability Indicators: Air Indicators](#)
- [Canadian Smog Science Assessment: Highlights and Key Messages](#)
- [Guidance Document on Achievement Determination: Canadian Ambient Air Quality Standards for Fine Particulate Matter and Ozone \(2012\)](#)
- [Guidance Document on Air Zone Management](#)
- [Health Canada](#)
- [Learn more about the implementation of the Air Quality Management System in British Columbia](#)
- [Read individual Air Zone reports](#) on the achievement of the Canadian Ambient Air Quality Standards in B.C.

Data

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

- [Indicator data: BC Fine Particulate Matter Canadian Ambient Air Quality Standards 2022-2024 \(Open Government Licence - British Columbia\)](#)
- [BC PM_{2.5} Hourly Data & Air Monitoring Station locations \(Open Government Licence - British Columbia\)](#)
- [BC Air Zones \(Open Government Licence - British Columbia\)](#)

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

Email correspondence to: envreportbc@gov.bc.ca

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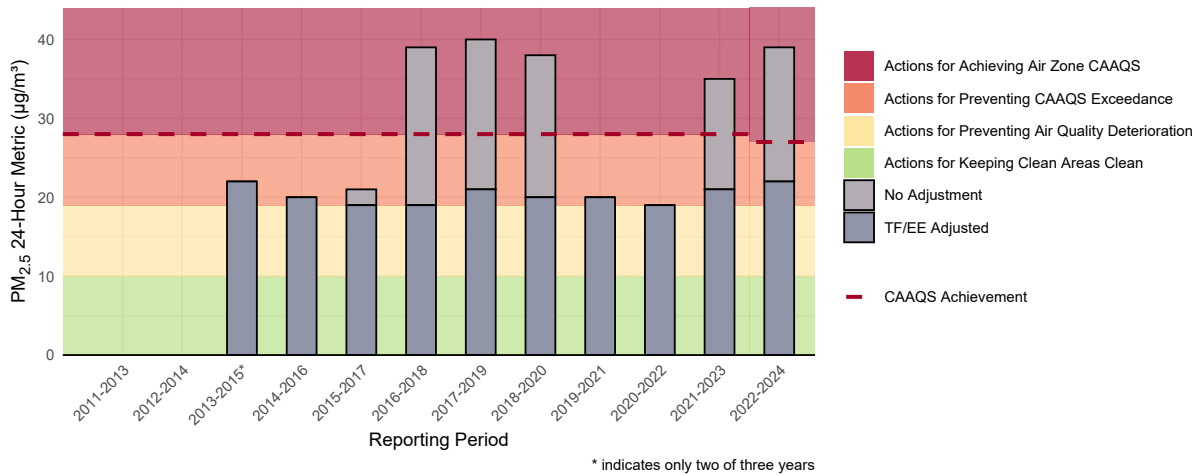
Appendix: Detailed fine particulate matter Canadian Ambient Air Quality Standard results for each monitoring station within air zones in B.C.

Air Zone: Central Interior

Monitoring Station: Burns Lake Fire Centre

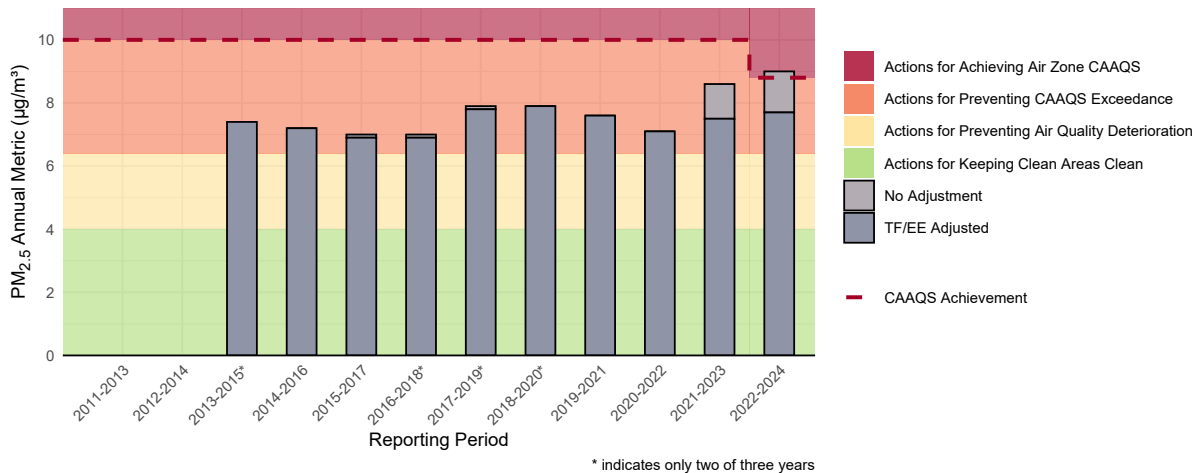
PM_{2.5} 24-hour Air Quality Standard: Not Achieved

PM_{2.5} 24-hour Metric: 39 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Not Achieved

PM_{2.5} Annual Metric: 9 µg/m³ (3 year average)

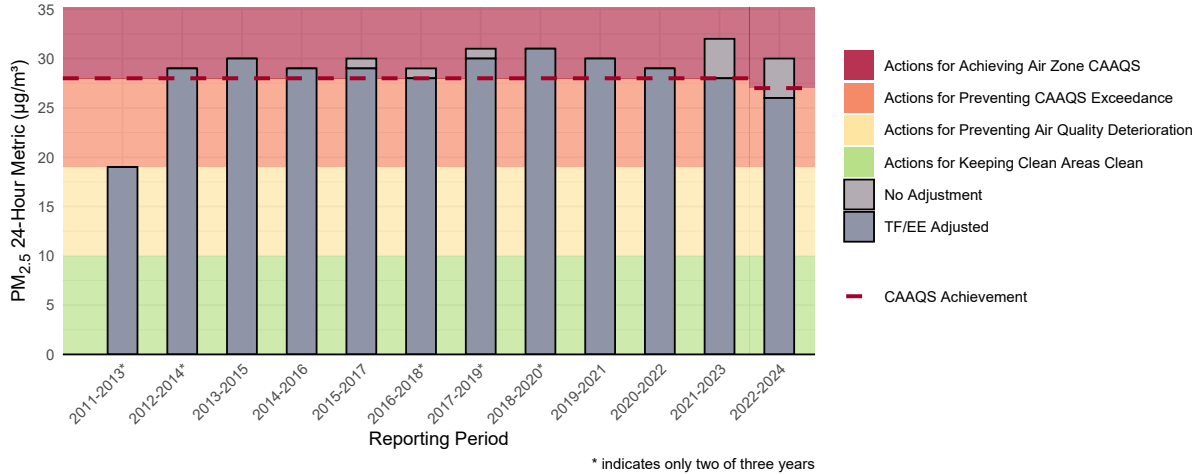


Air Zone: Central Interior

Monitoring Station: Houston Firehall

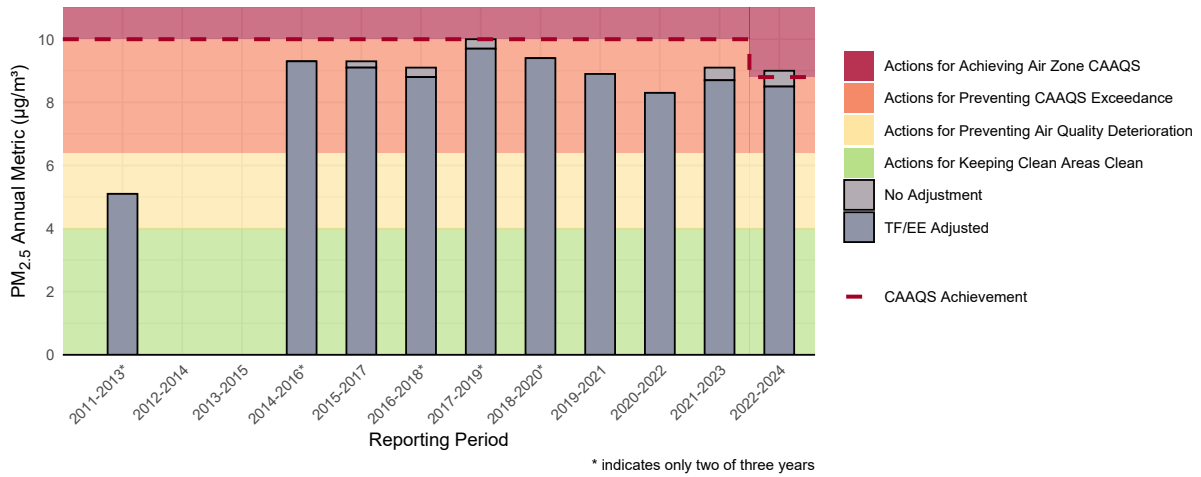
PM_{2.5} 24-hour Air Quality Standard: Not Achieved

PM_{2.5} 24-hour Metric: 30 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Not Achieved

PM_{2.5} Annual Metric: 9 µg/m³ (3 year average)

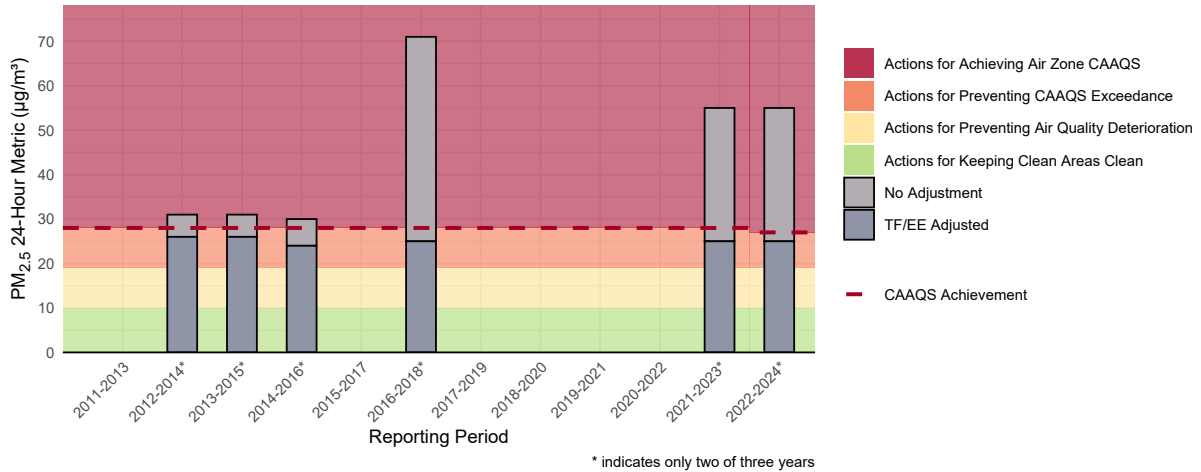


Air Zone: Central Interior

Monitoring Station: Prince George Plaza 400

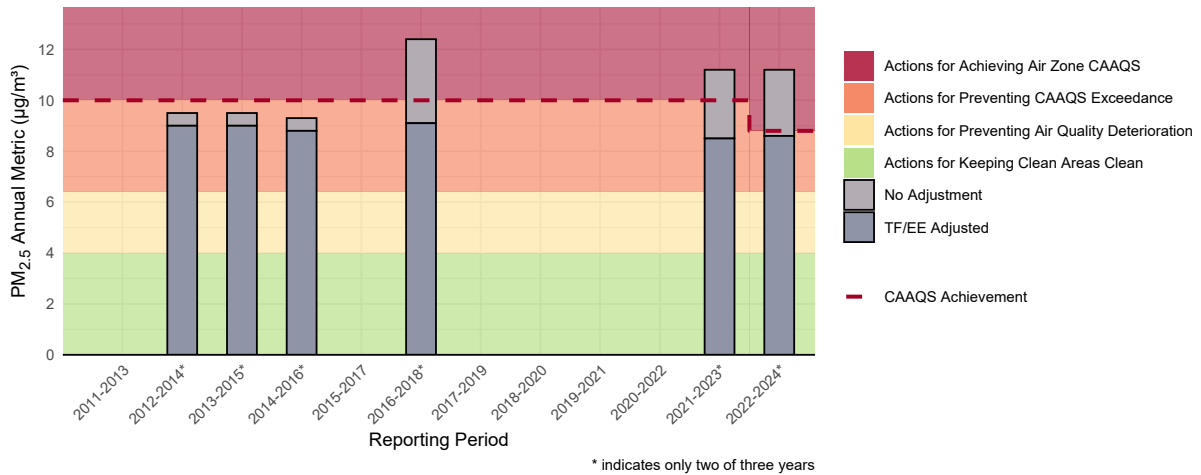
PM_{2.5} 24-hour Air Quality Standard: Not Achieved

PM_{2.5} 24-hour Metric: 55 µg/m³ (2 year average)



PM_{2.5} Annual Air Quality Standard: Not Achieved

PM_{2.5} Annual Metric: 11.2 µg/m³ (2 year average)

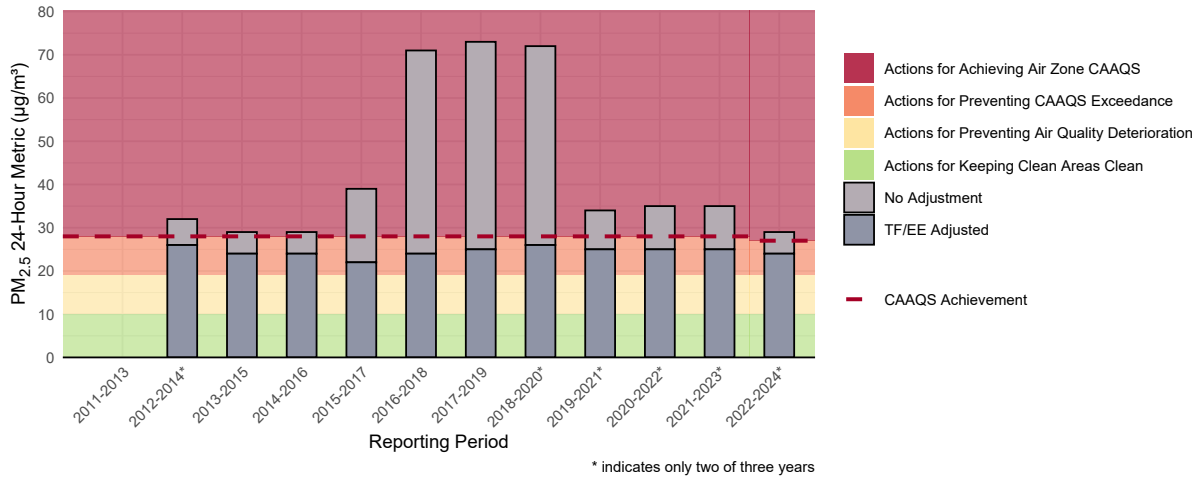


Air Zone: Central Interior

Monitoring Station: Quesnel

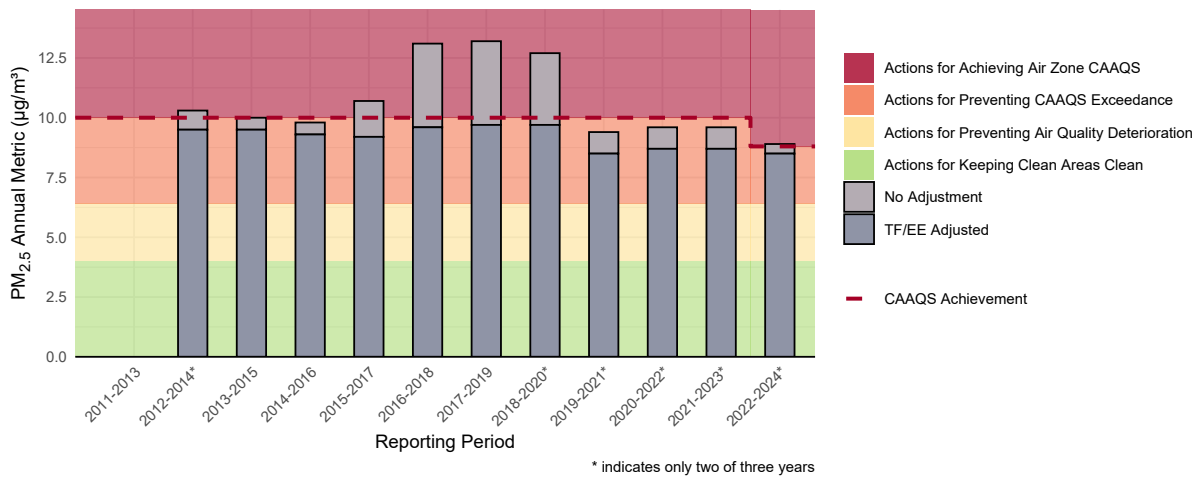
PM_{2.5} 24-hour Air Quality Standard: Not Achieved

PM_{2.5} 24-hour Metric: 29 µg/m³ (2 year average)



PM_{2.5} Annual Air Quality Standard: Not Achieved

PM_{2.5} Annual Metric: 8.9 µg/m³ (2 year average)

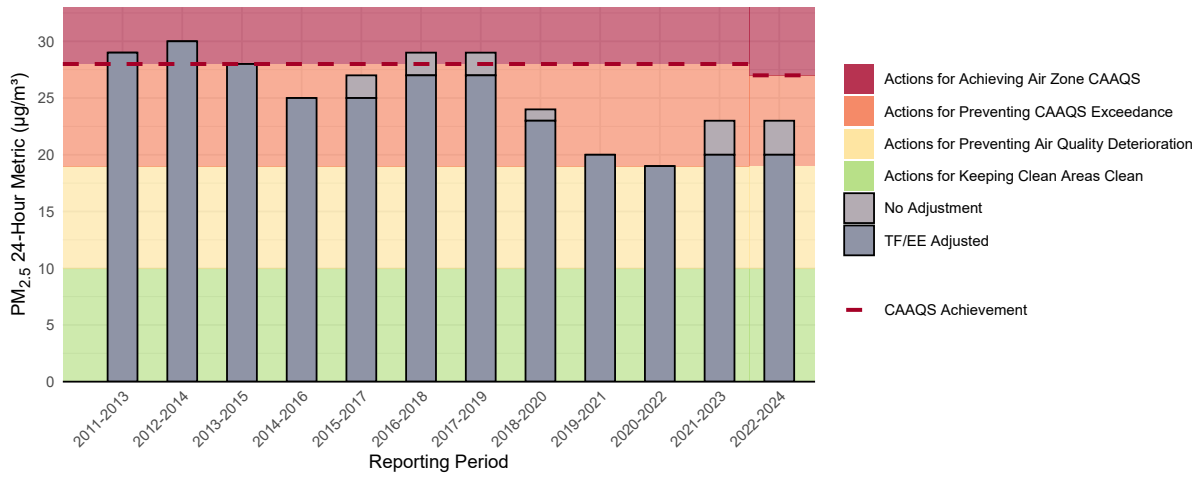


Air Zone: Central Interior

Monitoring Station: Smithers

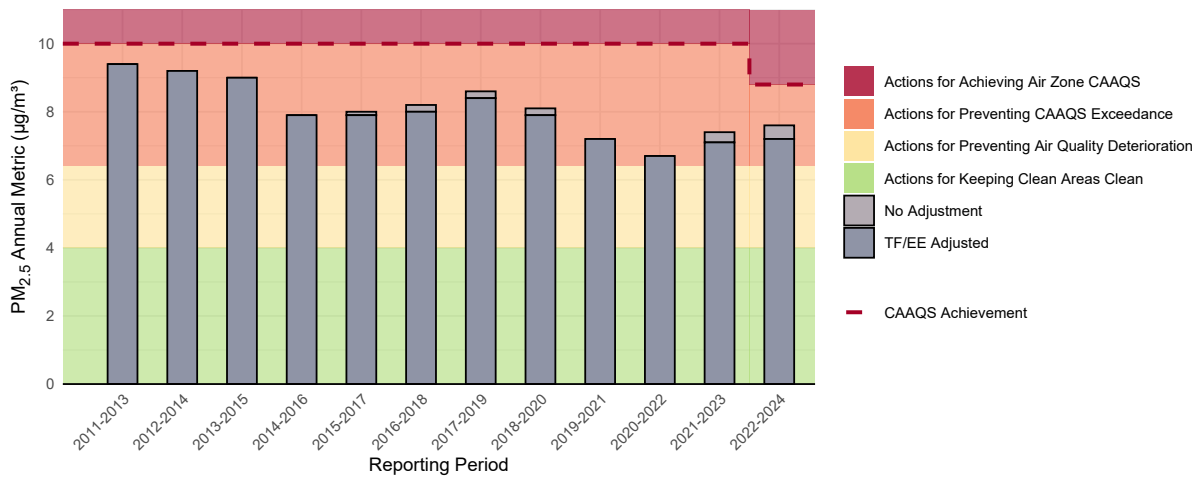
PM_{2.5} 24-hour Air Quality Standard: Achieved

PM_{2.5} 24-hour Metric: 23 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Achieved

PM_{2.5} Annual Metric: 7.6 µg/m³ (3 year average)

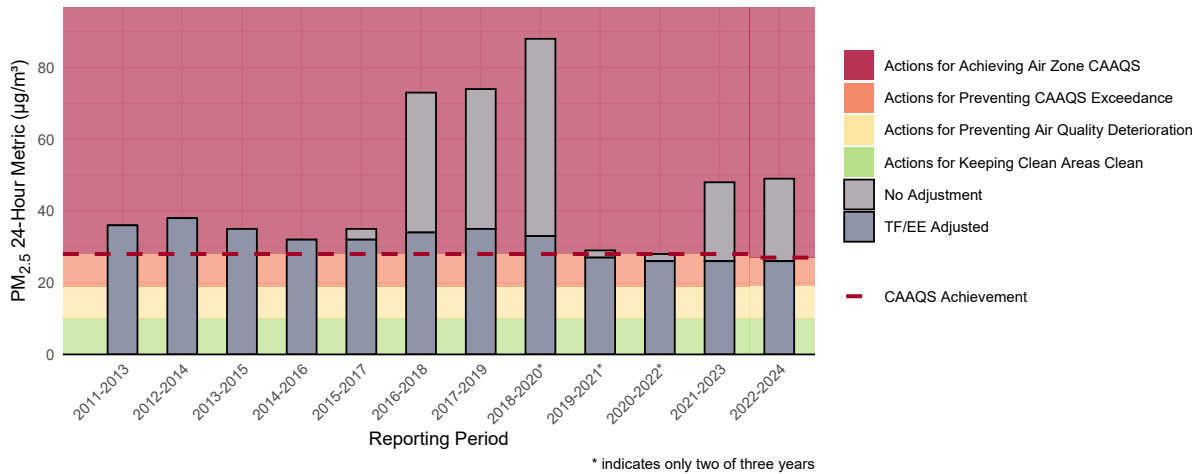


Air Zone: Central Interior

Monitoring Station: Vanderhoof Courthouse

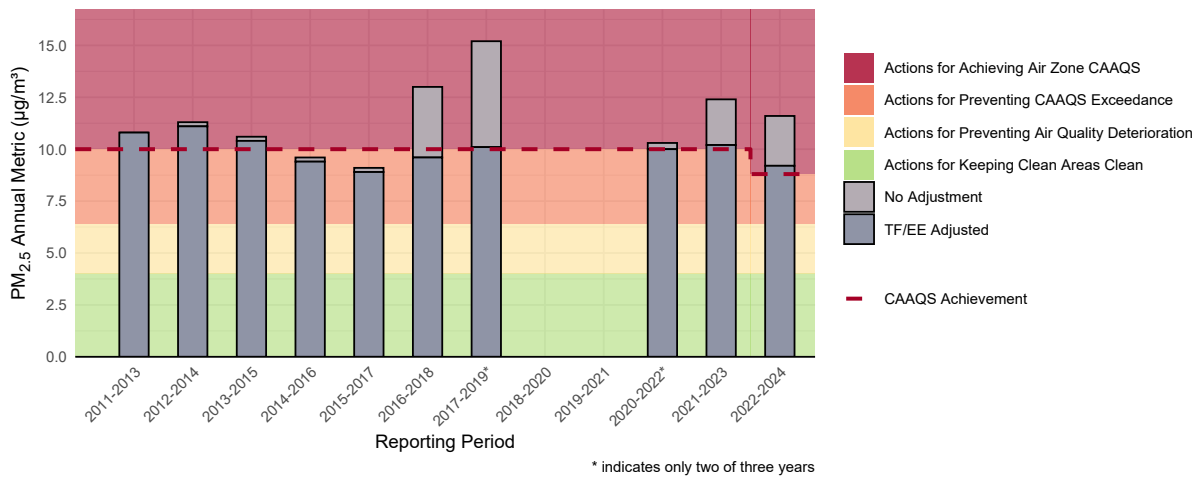
PM_{2.5} 24-hour Air Quality Standard: Not Achieved

PM_{2.5} 24-hour Metric: 49 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Not Achieved

PM_{2.5} Annual Metric: 11.6 µg/m³ (3 year average)

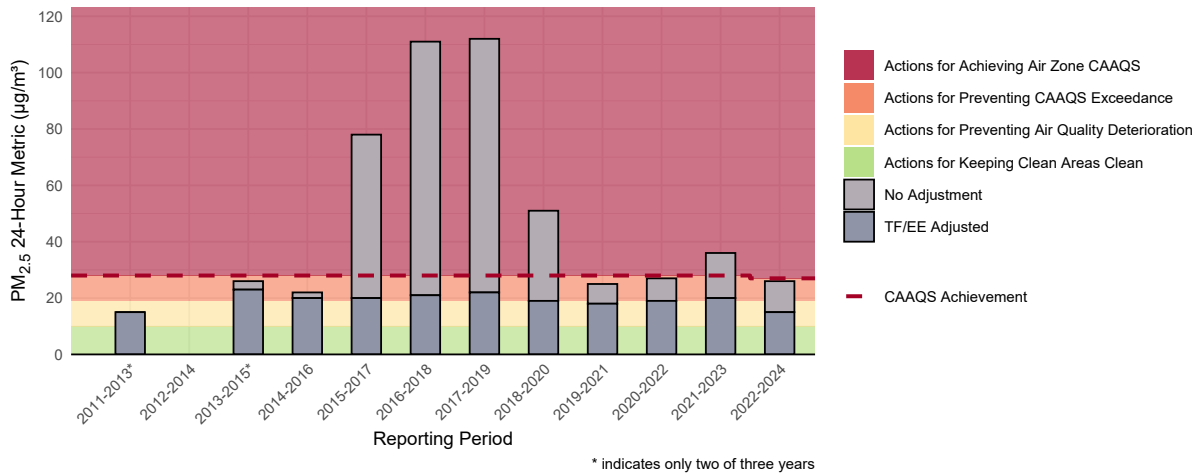


Air Zone: Central Interior

Monitoring Station: Williams Lake Columneetza School

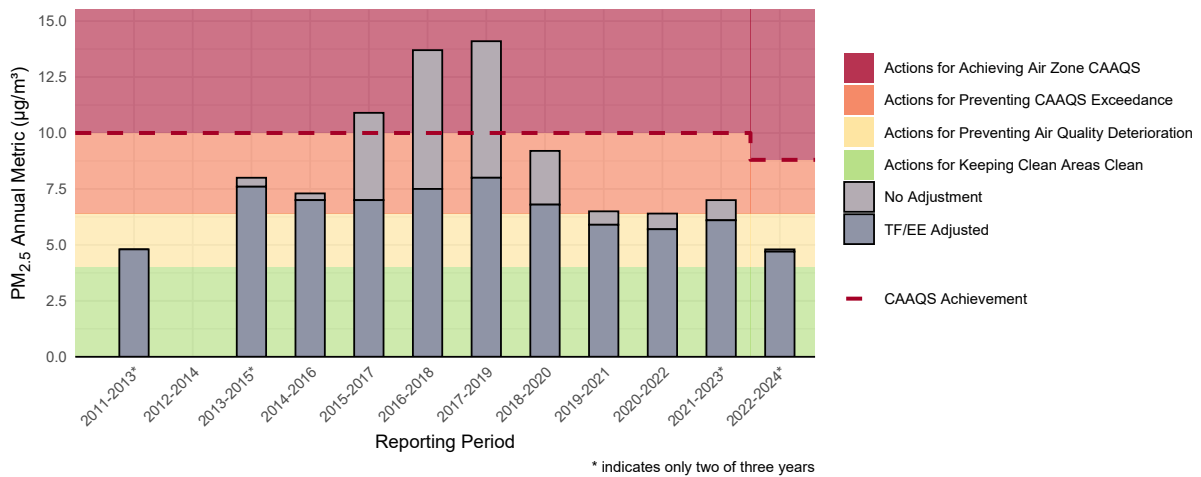
PM_{2.5} 24-hour Air Quality Standard: Achieved

PM_{2.5} 24-hour Metric: 26 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Achieved

PM_{2.5} Annual Metric: 4.8 µg/m³ (2 year average)

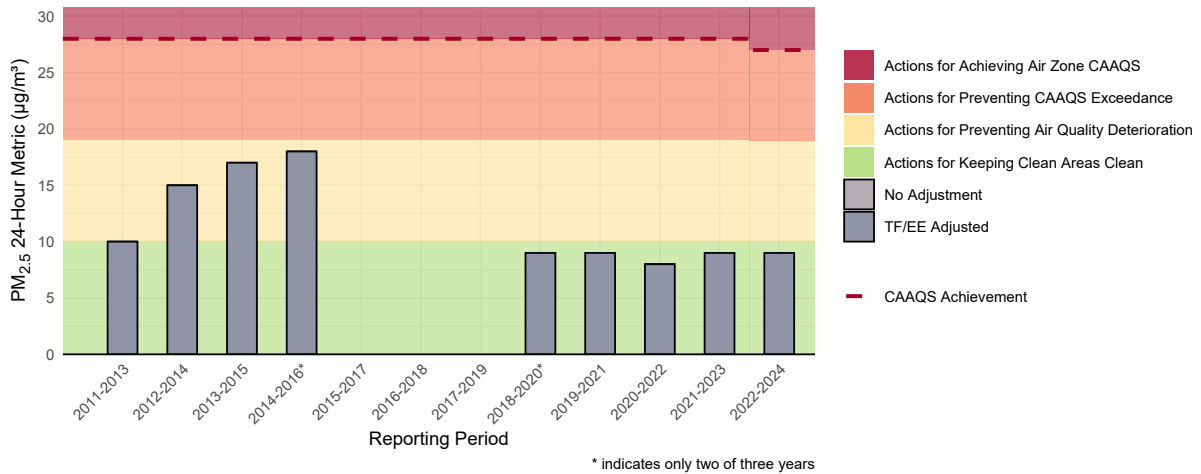


Air Zone: Coastal

Monitoring Station: Kitimat Haisla Village

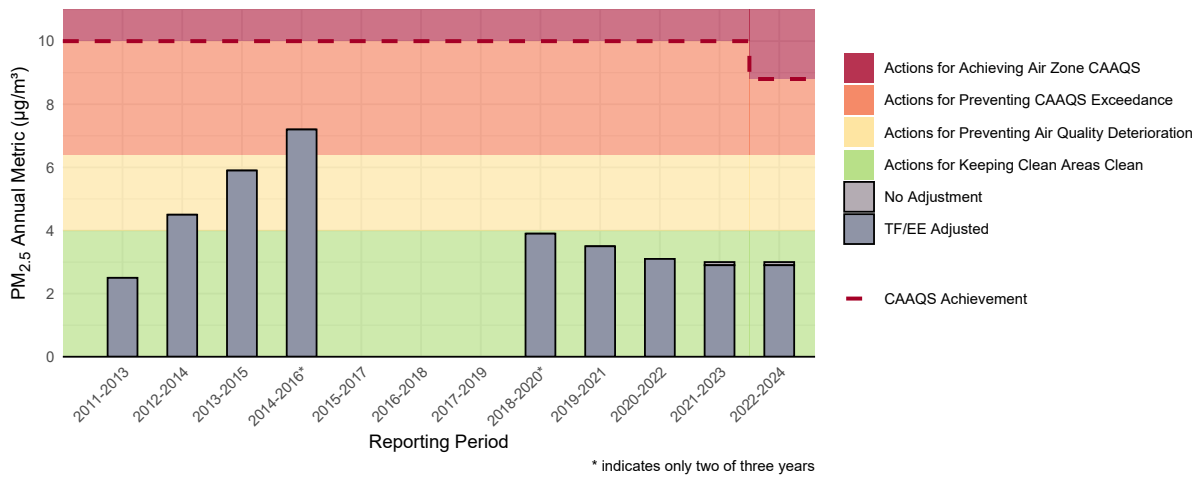
PM_{2.5} 24-hour Air Quality Standard: Achieved

PM_{2.5} 24-hour Metric: 9 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Achieved

PM_{2.5} Annual Metric: 3 µg/m³ (3 year average)

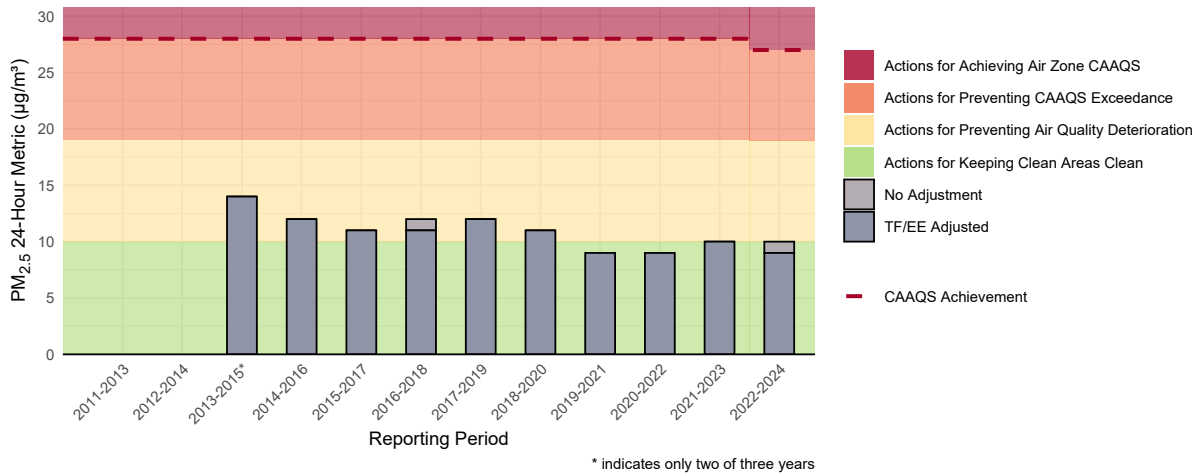


Air Zone: Coastal

Monitoring Station: Kitimat Riverlodge

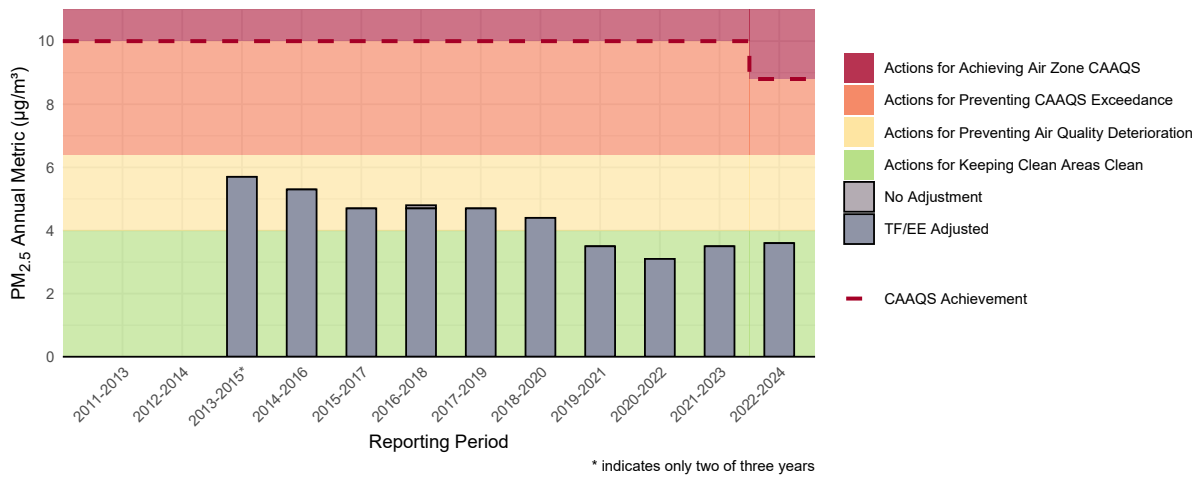
PM_{2.5} 24-hour Air Quality Standard: Achieved

PM_{2.5} 24-hour Metric: 10 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Achieved

PM_{2.5} Annual Metric: 3.6 µg/m³ (3 year average)

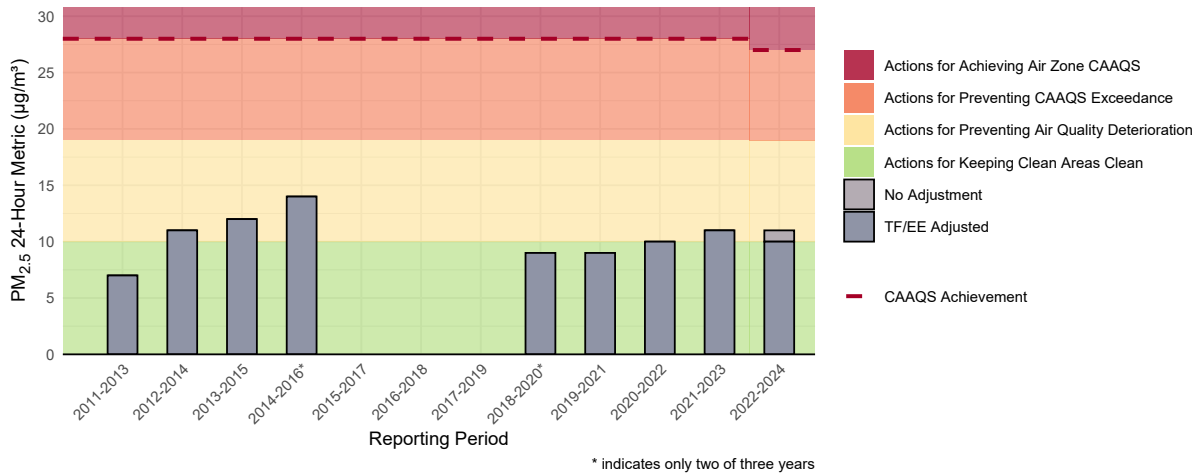


Air Zone: Coastal

Monitoring Station: Kitimat Whitesail

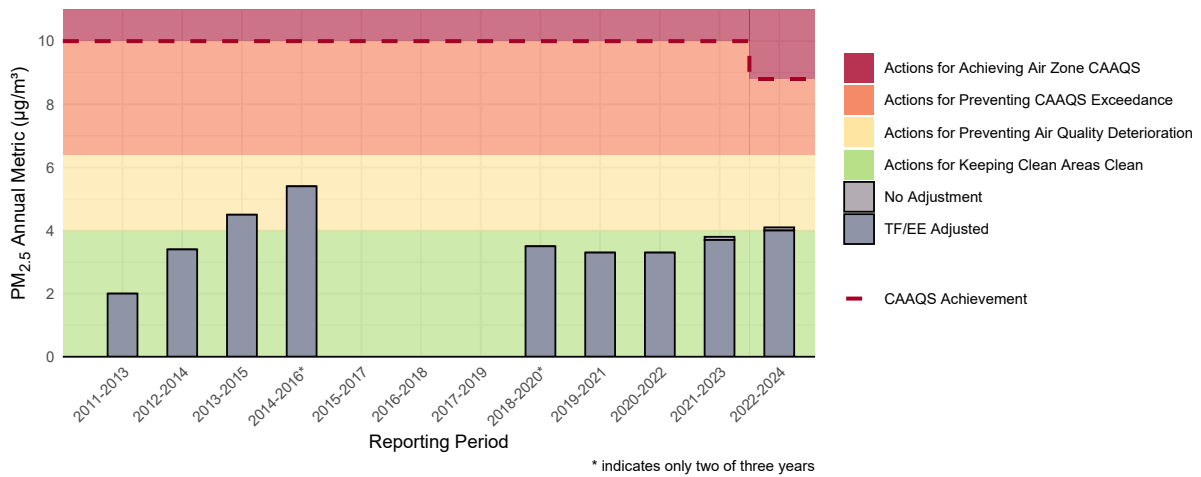
PM_{2.5} 24-hour Air Quality Standard: Achieved

PM_{2.5} 24-hour Metric: 11 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Achieved

PM_{2.5} Annual Metric: 4.1 µg/m³ (3 year average)

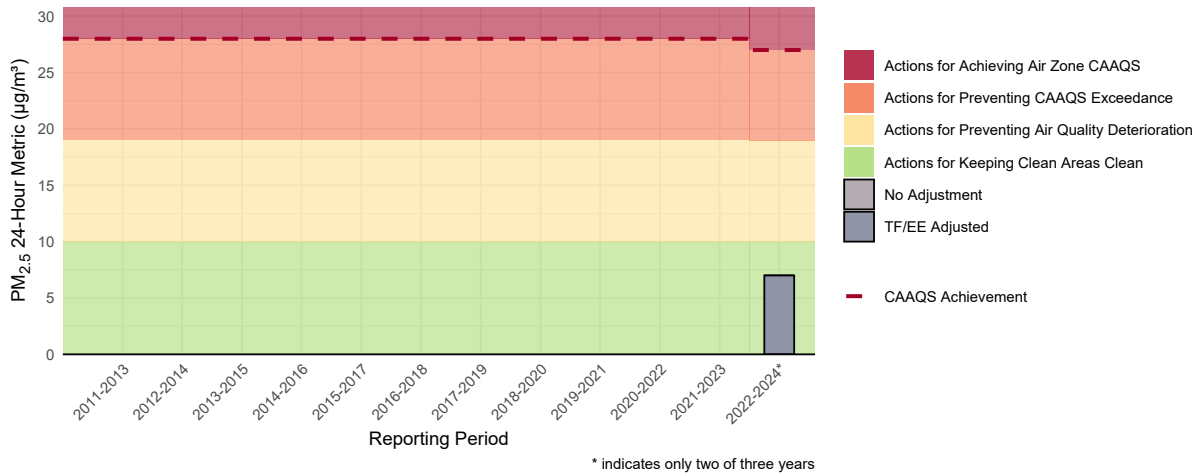


Air Zone: Coastal

Monitoring Station: Port Edward Sunset Drive

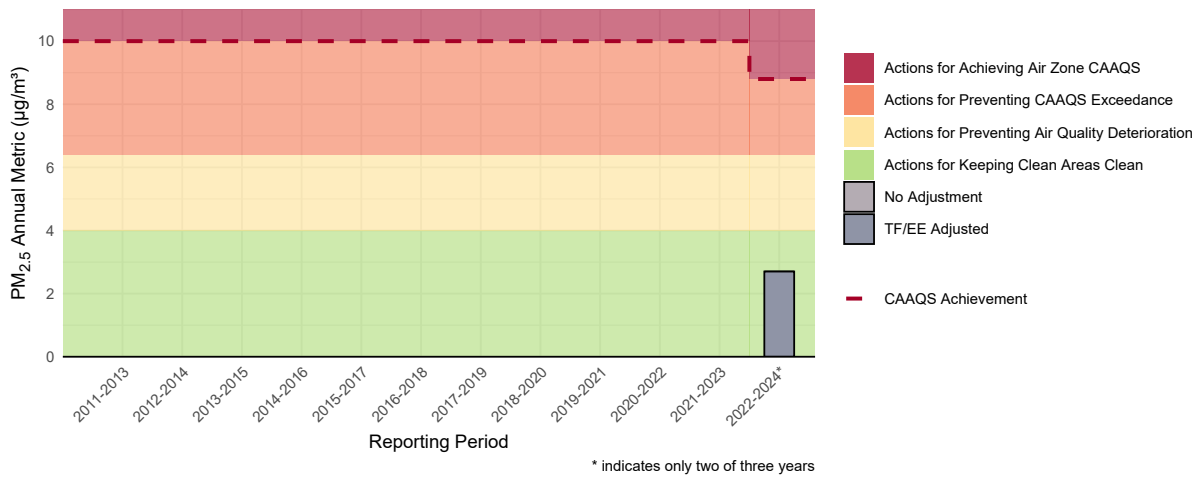
PM_{2.5} 24-hour Air Quality Standard: Achieved

PM_{2.5} 24-hour Metric: 7 µg/m³ (2 year average)



PM_{2.5} Annual Air Quality Standard: Achieved

PM_{2.5} Annual Metric: 2.7 µg/m³ (2 year average)

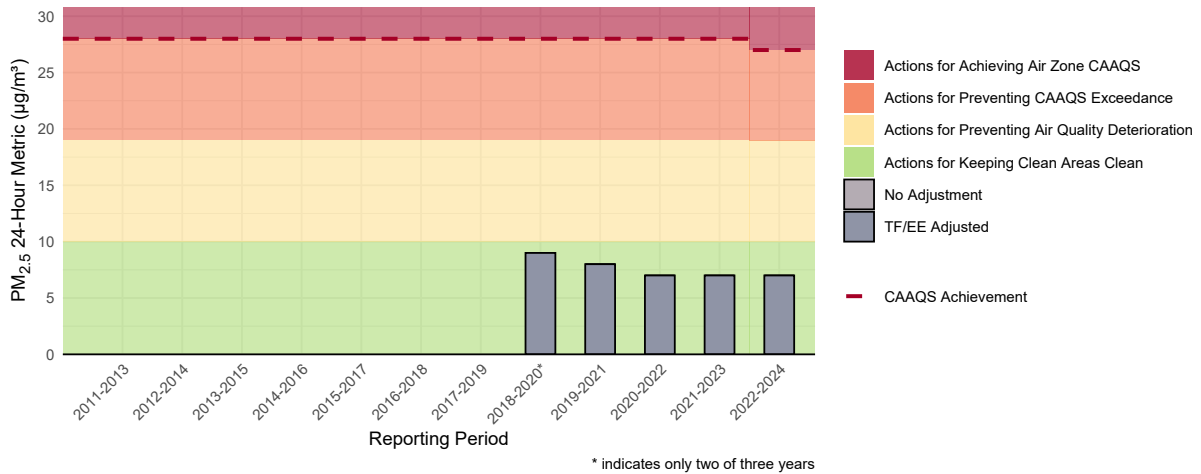


Air Zone: Coastal

Monitoring Station: Prince Rupert Fairview

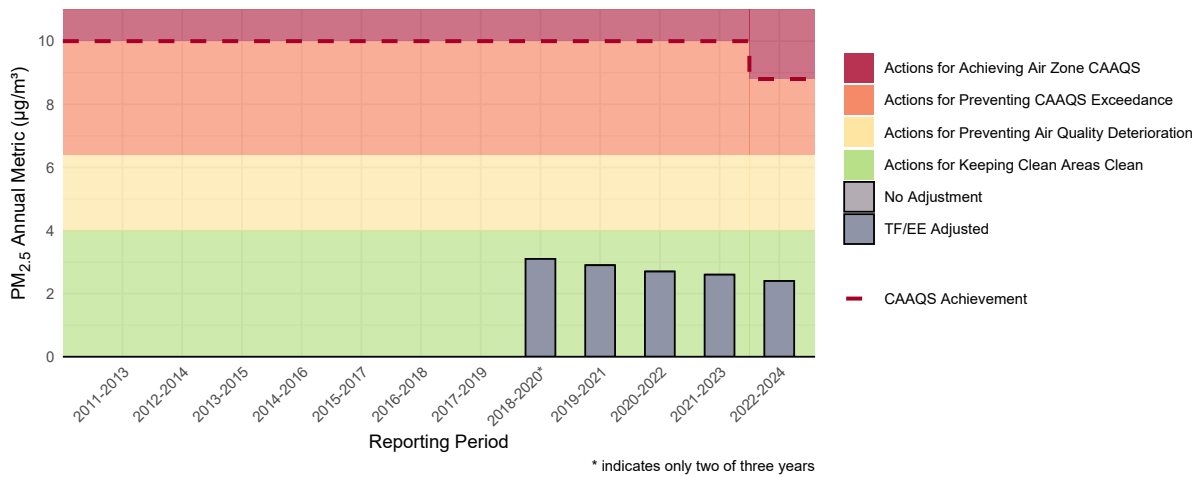
PM_{2.5} 24-hour Air Quality Standard: Achieved

PM_{2.5} 24-hour Metric: 7 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Achieved

PM_{2.5} Annual Metric: 2.4 µg/m³ (3 year average)

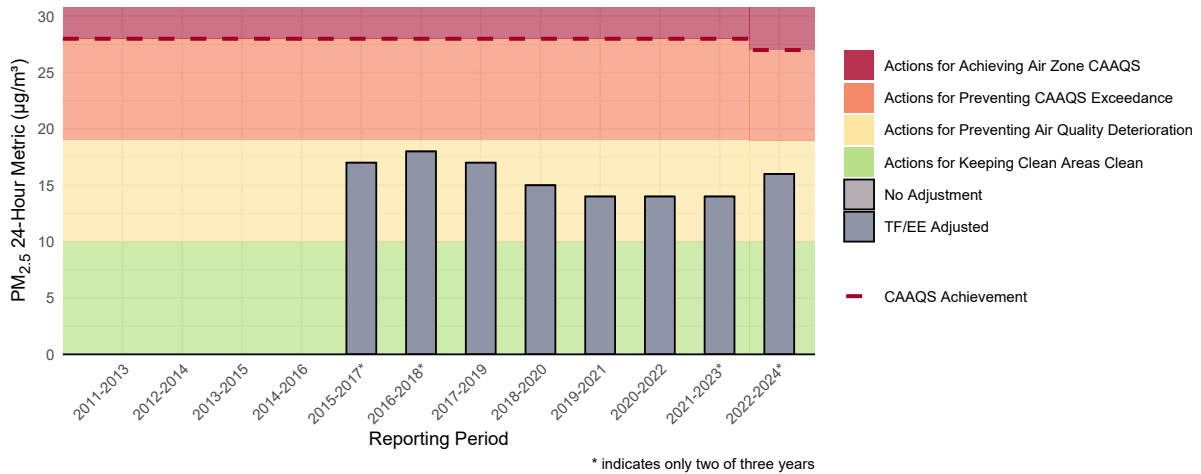


Air Zone: Coastal

Monitoring Station: Terrace Skeena Middle School

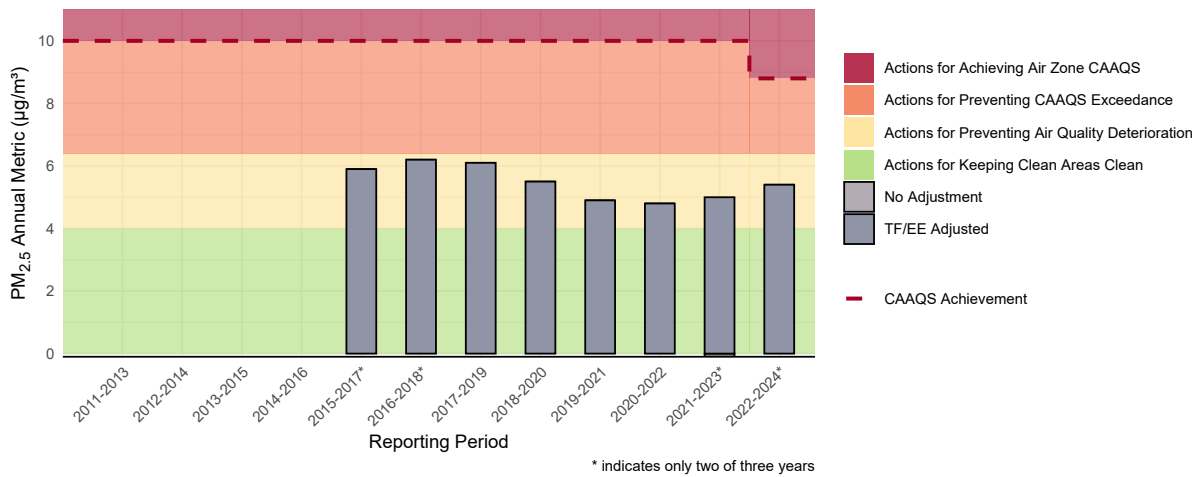
PM_{2.5} 24-hour Air Quality Standard: Achieved

PM_{2.5} 24-hour Metric: 16 µg/m³ (2 year average)



PM_{2.5} Annual Air Quality Standard: Achieved

PM_{2.5} Annual Metric: 5.4 µg/m³ (2 year average)

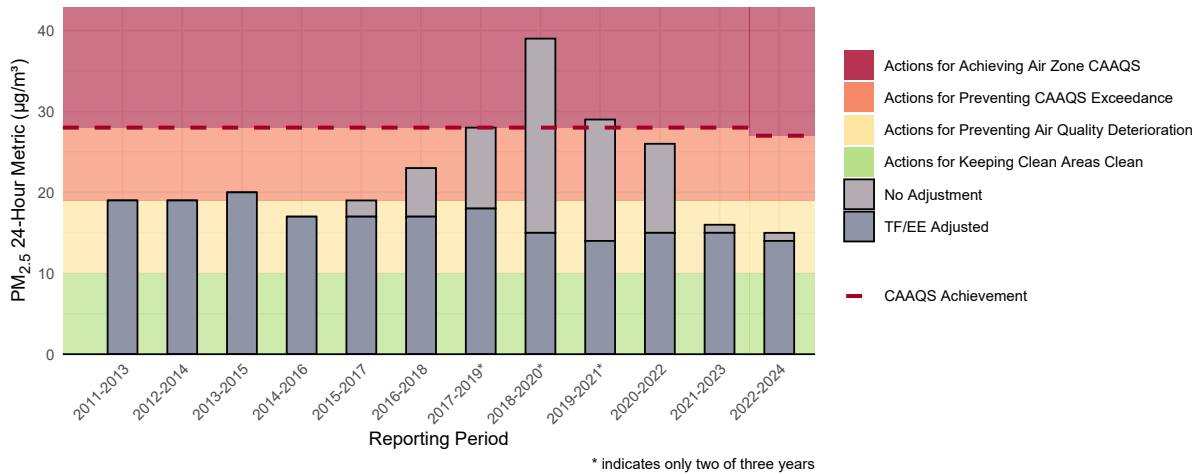


Air Zone: Georgia Strait

Monitoring Station: Colwood City Hall

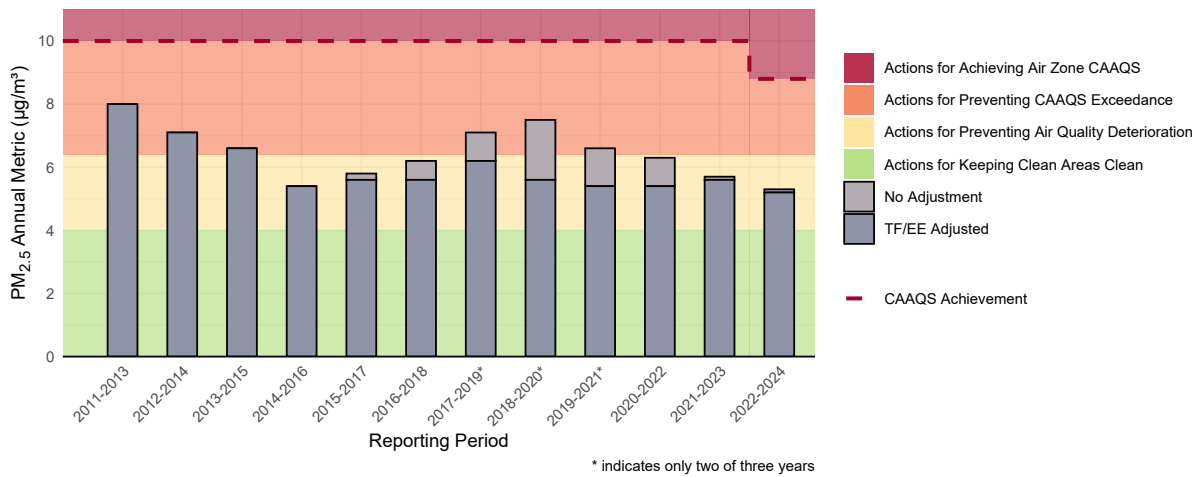
PM_{2.5} 24-hour Air Quality Standard: Achieved

PM_{2.5} 24-hour Metric: 15 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Achieved

PM_{2.5} Annual Metric: 5.3 µg/m³ (3 year average)

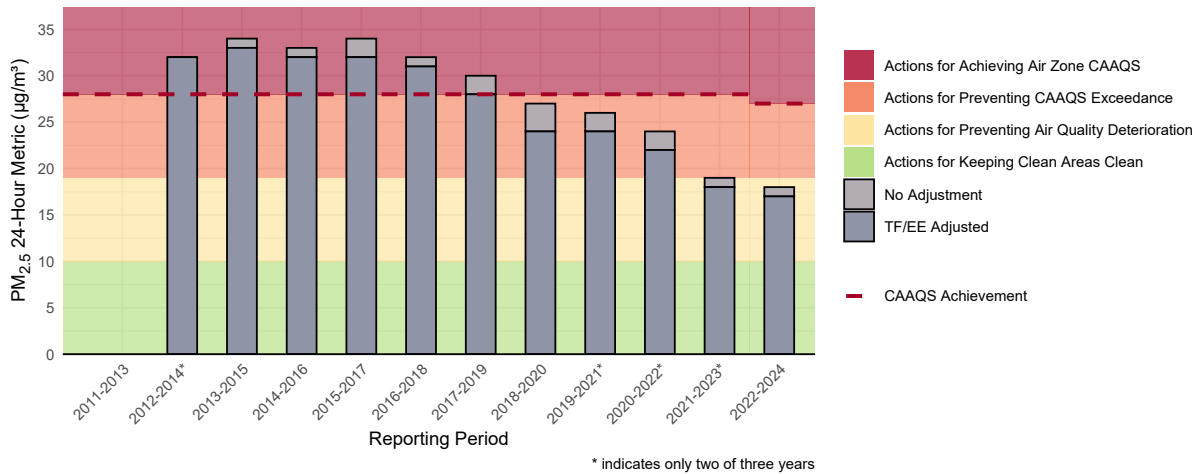


Air Zone: Georgia Strait

Monitoring Station: Courtenay Elementary School

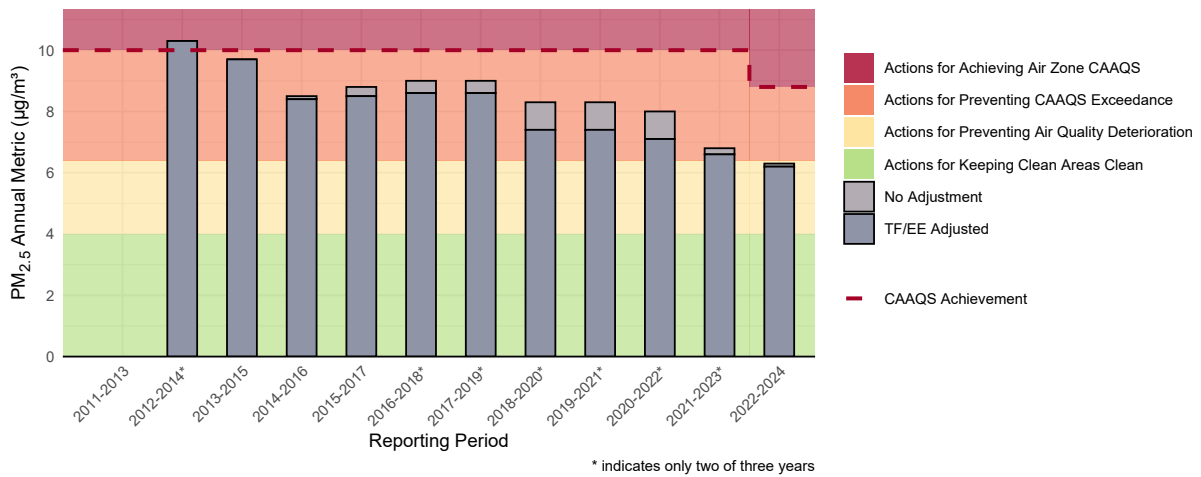
PM_{2.5} 24-hour Air Quality Standard: Achieved

PM_{2.5} 24-hour Metric: 18 µg/m³ (3 year average)



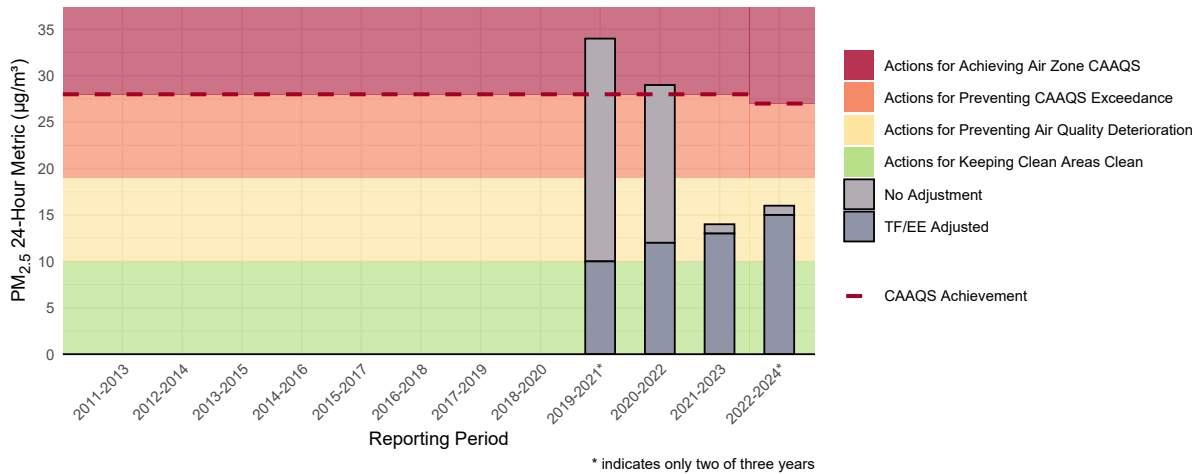
PM_{2.5} Annual Air Quality Standard: Achieved

PM_{2.5} Annual Metric: 6.3 µg/m³ (3 year average)

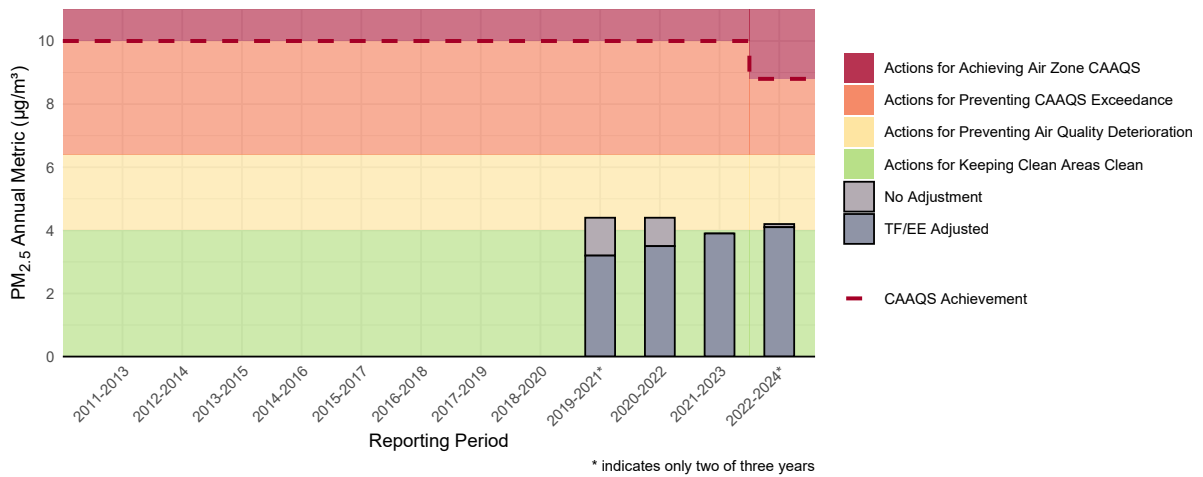


Air Zone: Georgia Strait
Monitoring Station: Crofton Elementary

PM_{2.5} 24-hour Air Quality Standard: Achieved
PM_{2.5} 24-hour Metric: 16 µg/m³ (2 year average)

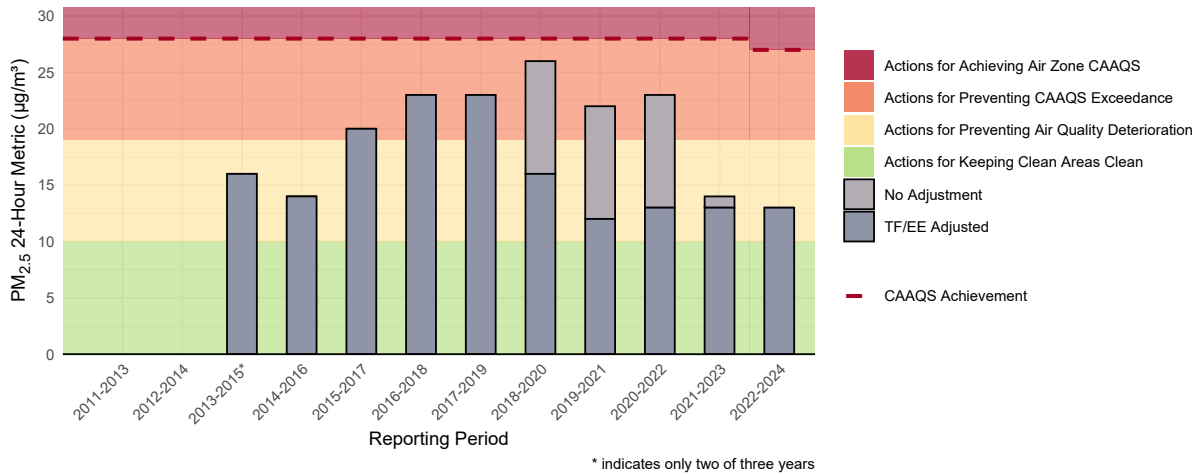


PM_{2.5} Annual Air Quality Standard: Achieved
PM_{2.5} Annual Metric: 4.2 µg/m³ (2 year average)

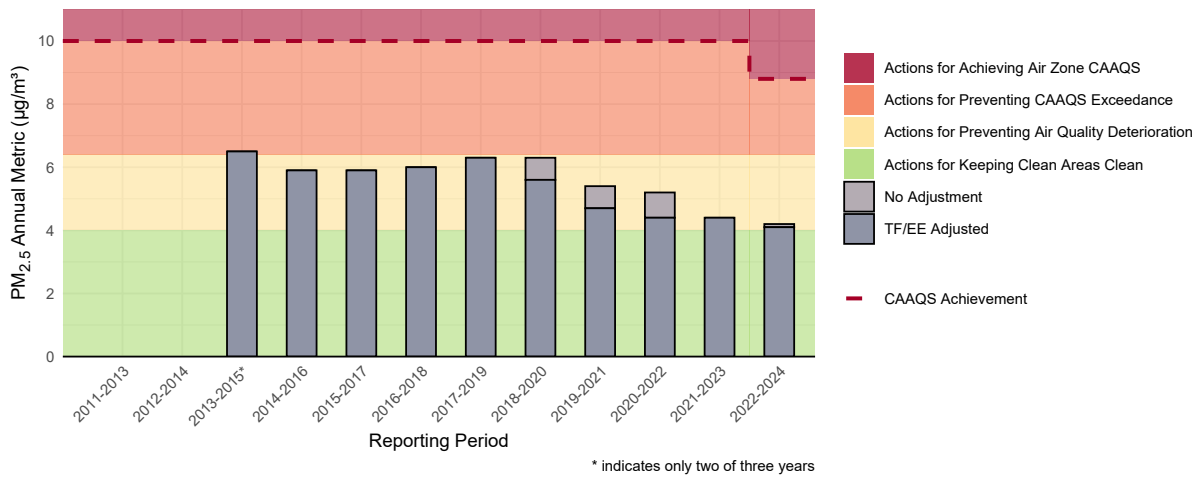


Air Zone: Georgia Strait
Monitoring Station: Crofton Substation

PM_{2.5} 24-hour Air Quality Standard: Achieved
PM_{2.5} 24-hour Metric: 13 µg/m³ (3 year average)

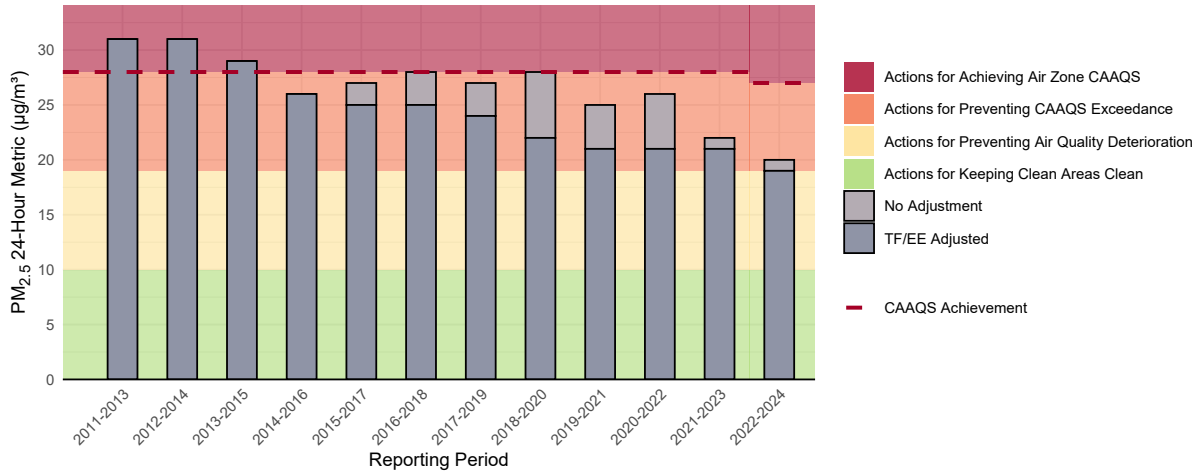


PM_{2.5} Annual Air Quality Standard: Achieved
PM_{2.5} Annual Metric: 4.2 µg/m³ (3 year average)

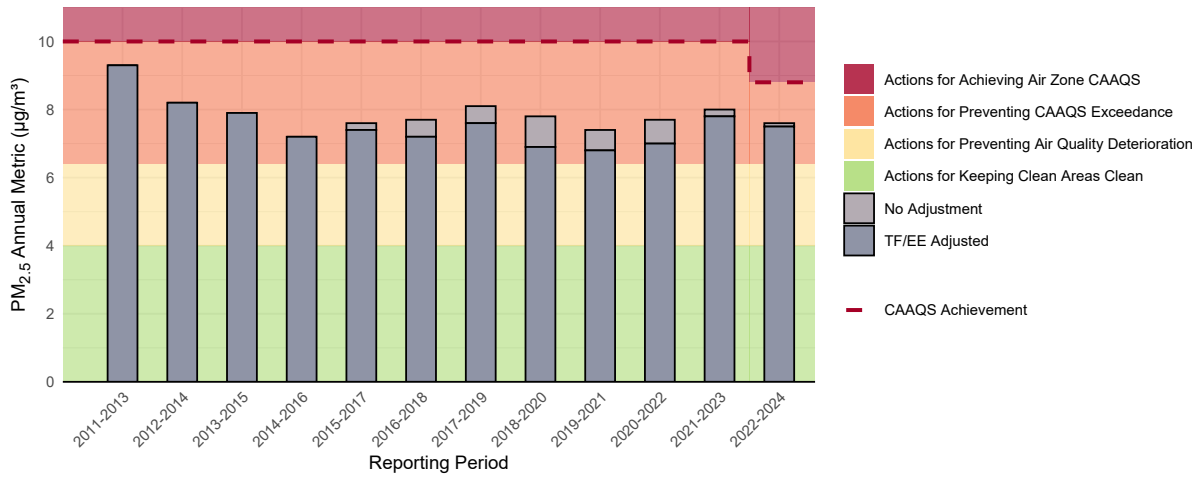


Air Zone: Georgia Strait
Monitoring Station: Duncan

PM_{2.5} 24-hour Air Quality Standard: Achieved
PM_{2.5} 24-hour Metric: 20 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Achieved
PM_{2.5} Annual Metric: 7.6 µg/m³ (3 year average)

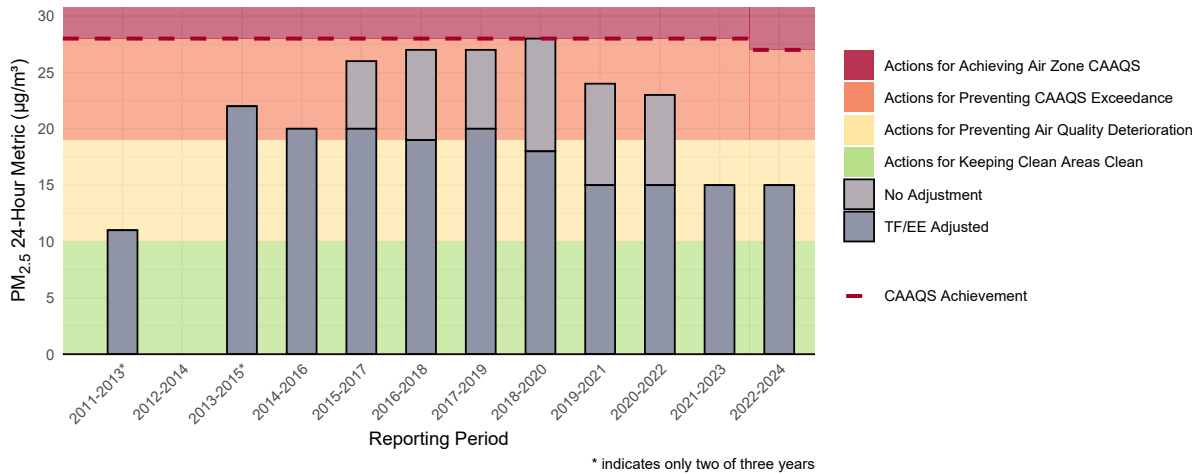


Air Zone: Georgia Strait

Monitoring Station: Duncan Deykin Avenue

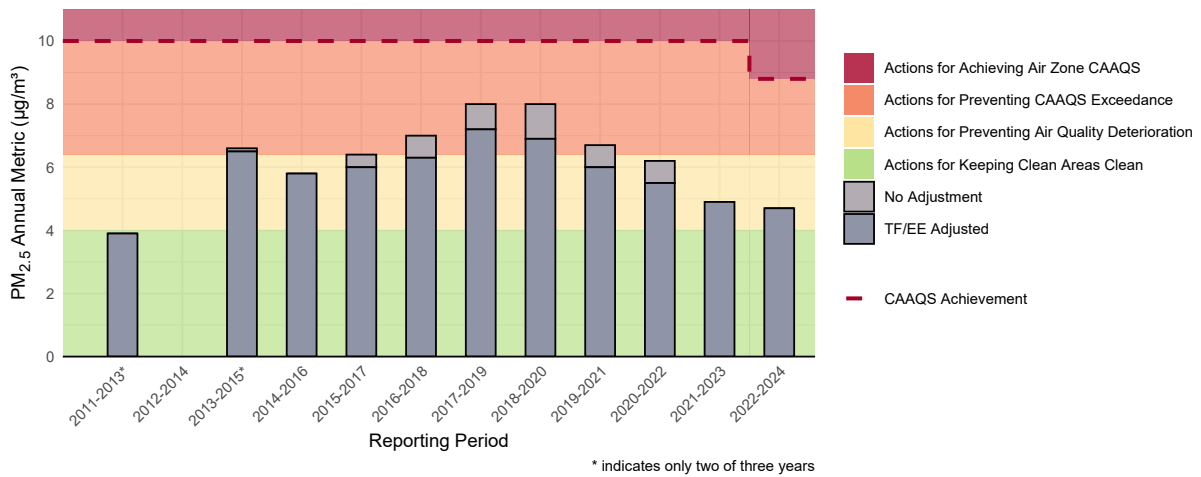
PM_{2.5} 24-hour Air Quality Standard: Achieved

PM_{2.5} 24-hour Metric: 15 µg/m³ (3 year average)



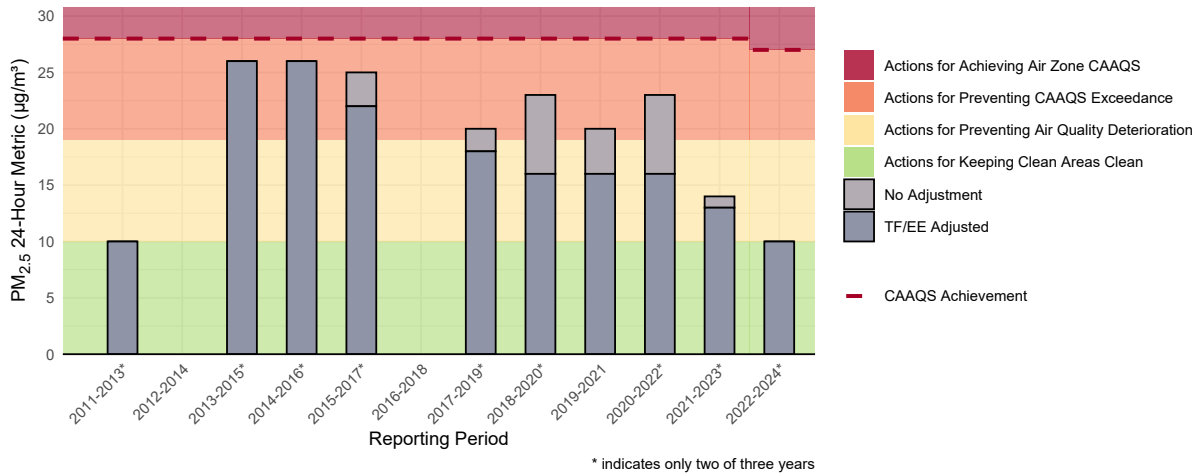
PM_{2.5} Annual Air Quality Standard: Achieved

PM_{2.5} Annual Metric: 4.7 µg/m³ (3 year average)

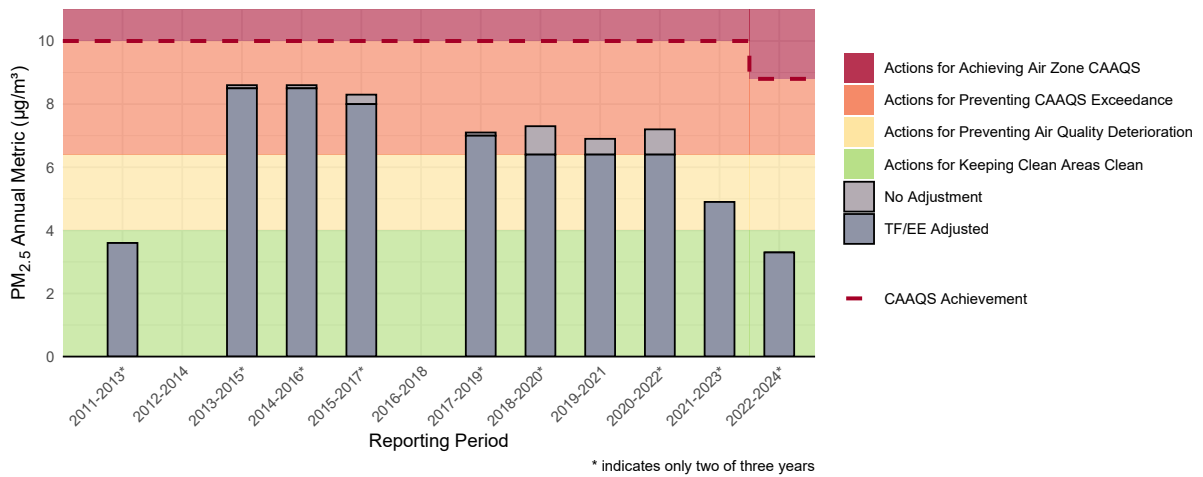


Air Zone: Georgia Strait
Monitoring Station: Elk Falls Dogwood

PM_{2.5} 24-hour Air Quality Standard: Achieved
PM_{2.5} 24-hour Metric: 10 µg/m³ (2 year average)



PM_{2.5} Annual Air Quality Standard: Achieved
PM_{2.5} Annual Metric: 3.3 µg/m³ (2 year average)

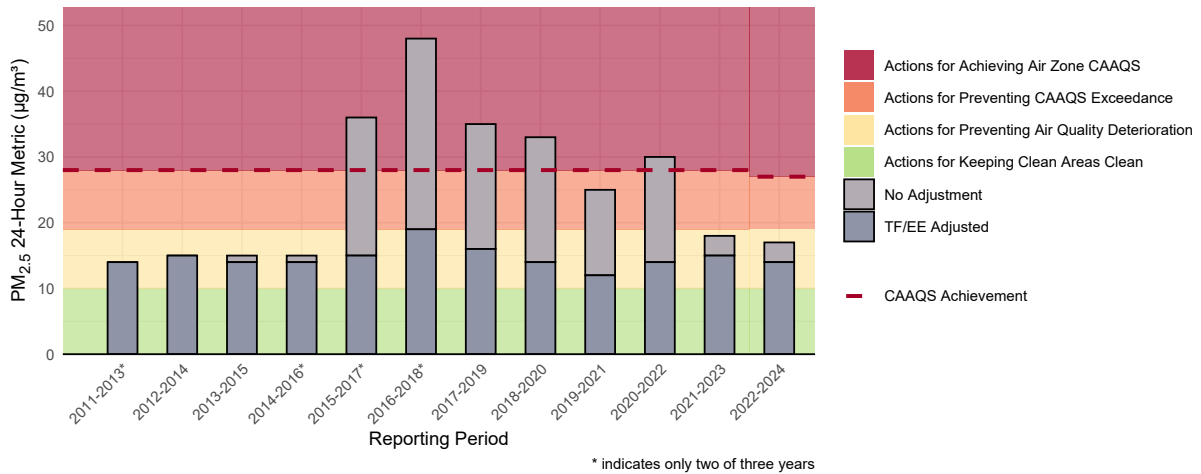


Air Zone: Georgia Strait

Monitoring Station: Langdale Elementary

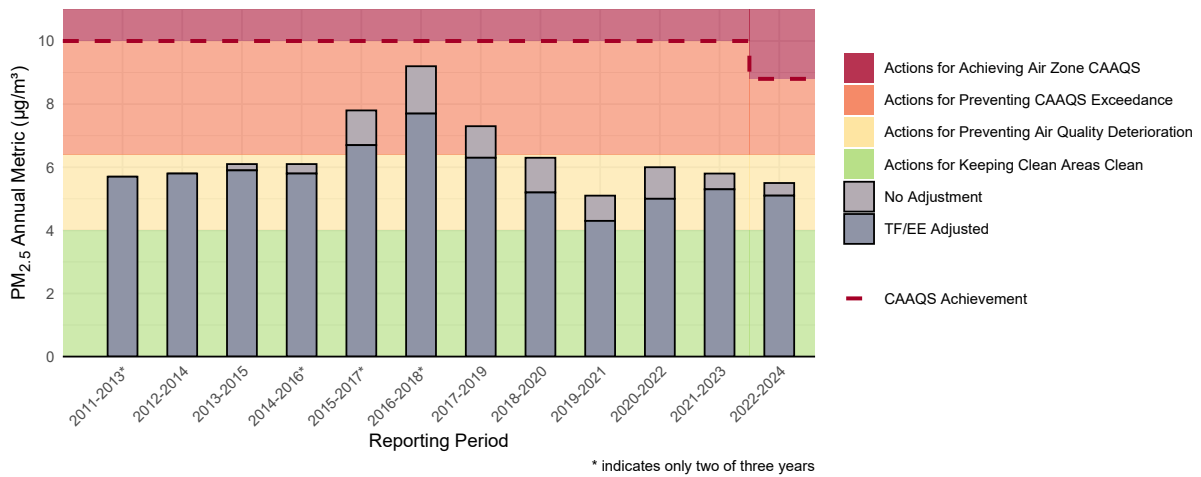
PM_{2.5} 24-hour Air Quality Standard: Achieved

PM_{2.5} 24-hour Metric: 17 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Achieved

PM_{2.5} Annual Metric: 5.5 µg/m³ (3 year average)

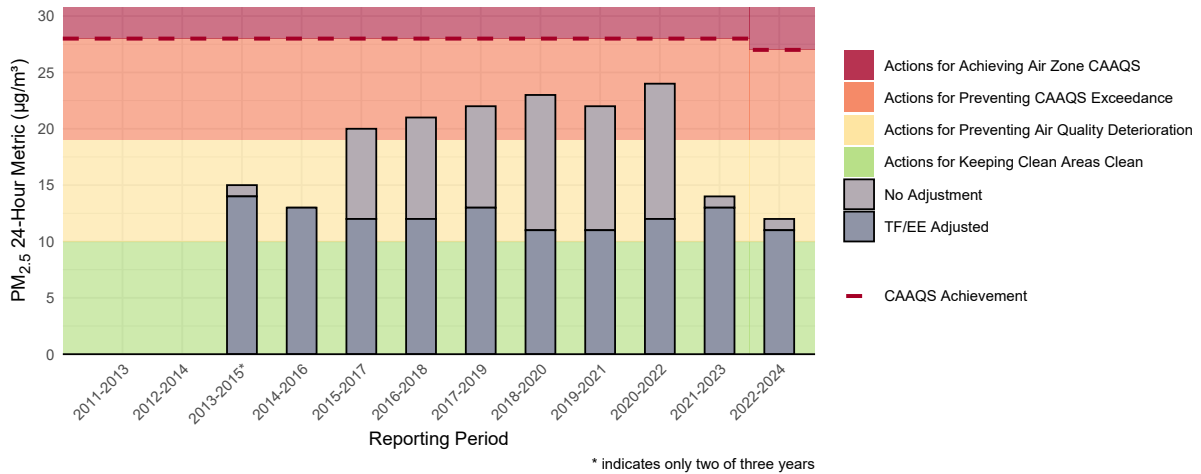


Air Zone: Georgia Strait

Monitoring Station: Nanaimo Labieux Road

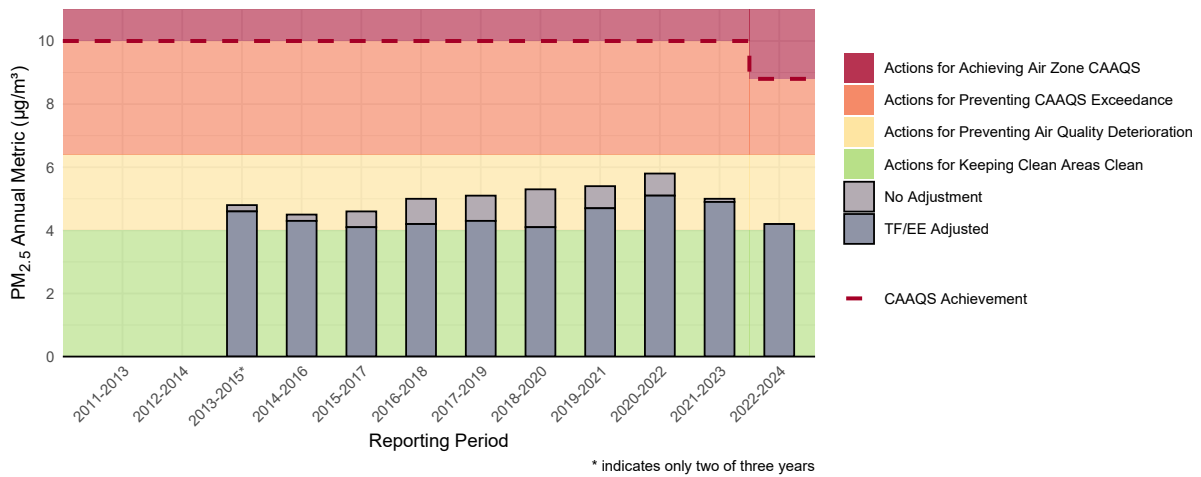
PM_{2.5} 24-hour Air Quality Standard: Achieved

PM_{2.5} 24-hour Metric: 12 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Achieved

PM_{2.5} Annual Metric: 4.2 µg/m³ (3 year average)

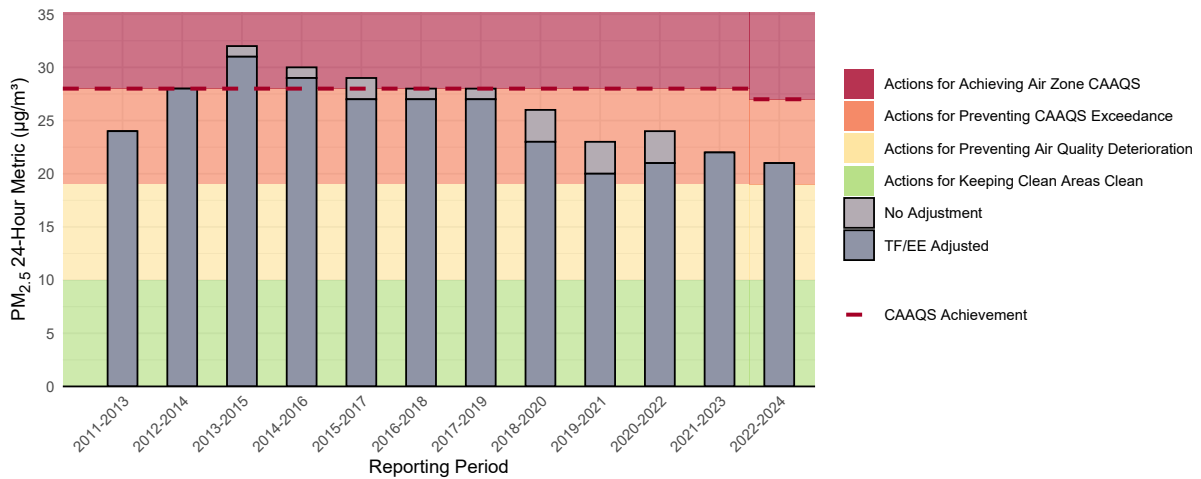


Air Zone: Georgia Strait

Monitoring Station: Port Alberni Elementary

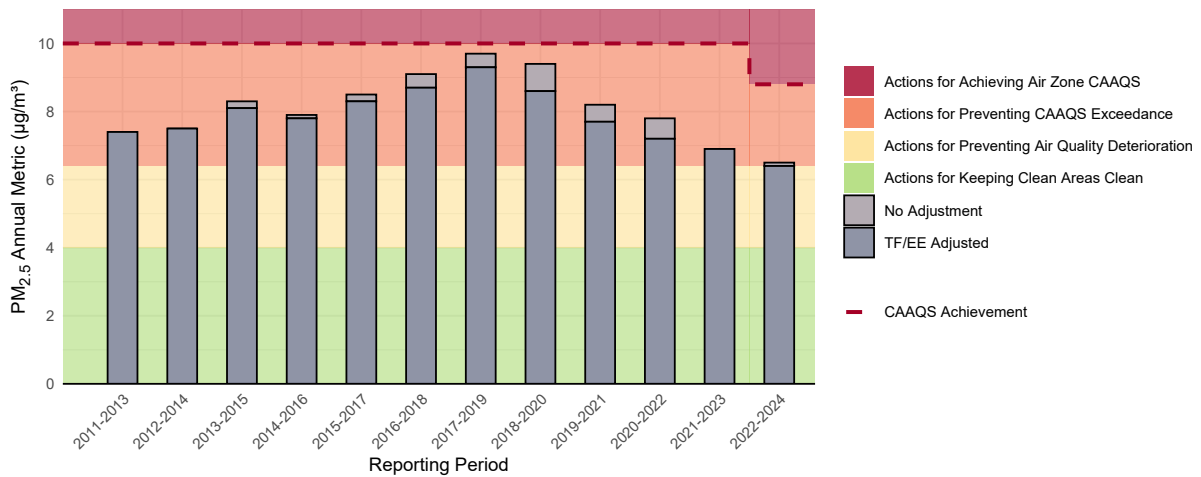
PM_{2.5} 24-hour Air Quality Standard: Achieved

PM_{2.5} 24-hour Metric: 21 µg/m³ (3 year average)



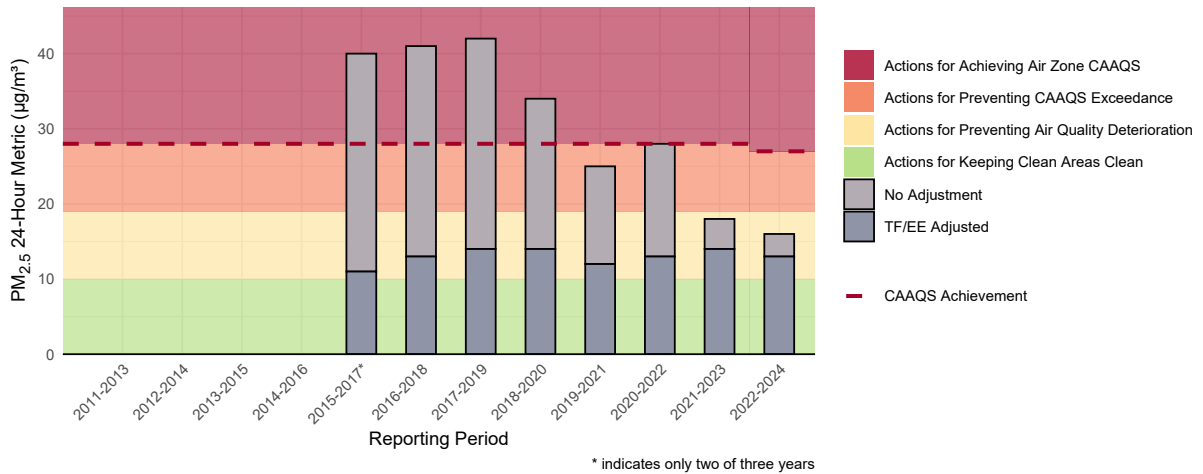
PM_{2.5} Annual Air Quality Standard: Achieved

PM_{2.5} Annual Metric: 6.5 µg/m³ (3 year average)

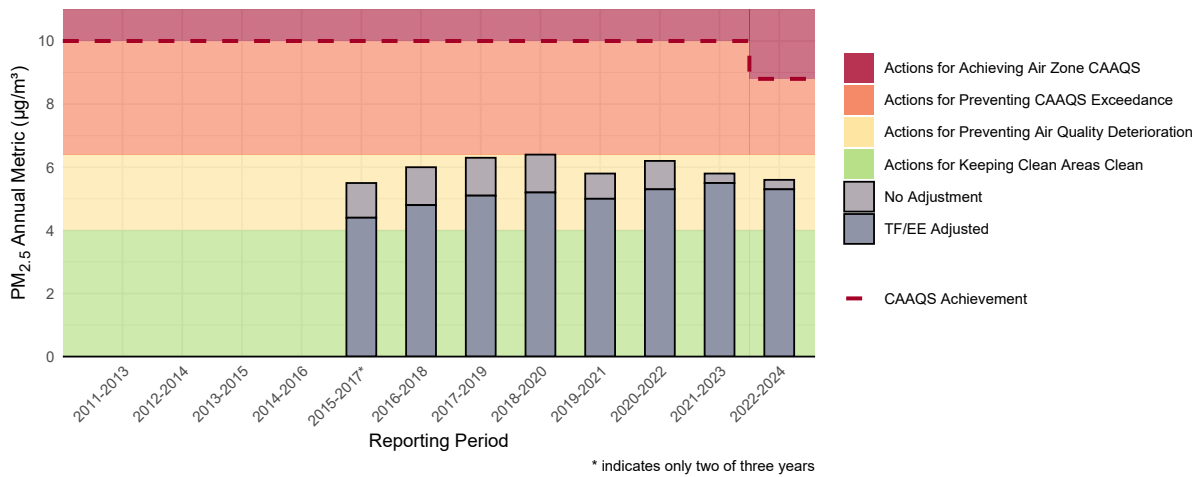


Air Zone: Georgia Strait
Monitoring Station: Squamish Elementary

PM_{2.5} 24-hour Air Quality Standard: Achieved
PM_{2.5} 24-hour Metric: 16 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Achieved
PM_{2.5} Annual Metric: 5.6 µg/m³ (3 year average)

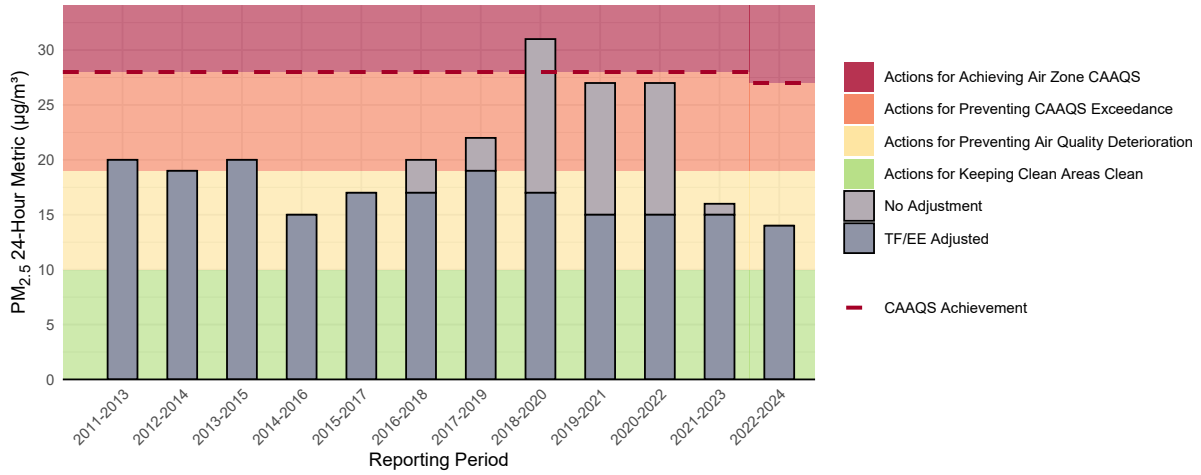


Air Zone: Georgia Strait

Monitoring Station: Victoria Topaz

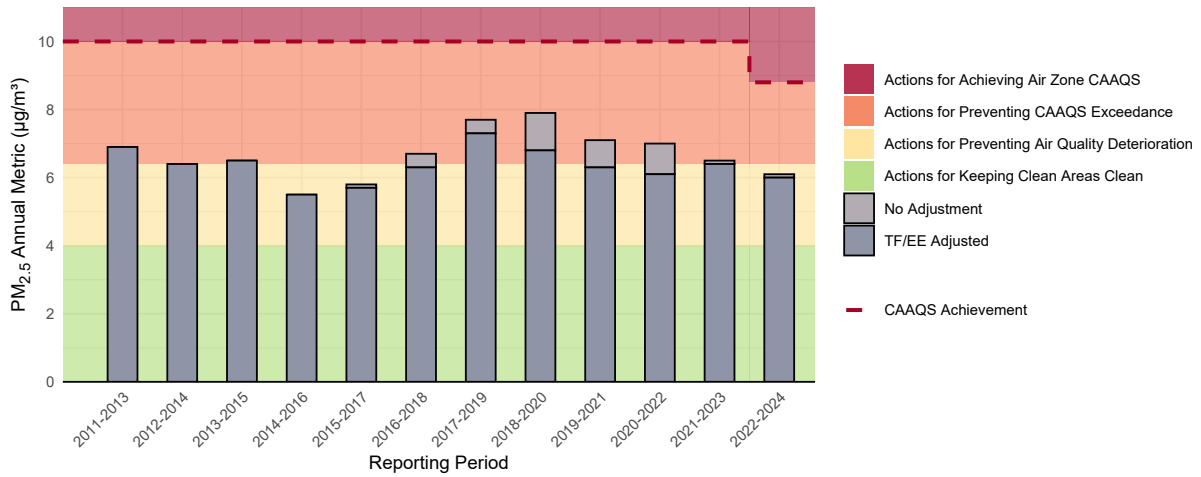
PM_{2.5} 24-hour Air Quality Standard: Achieved

PM_{2.5} 24-hour Metric: 14 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Achieved

PM_{2.5} Annual Metric: 6.1 µg/m³ (3 year average)

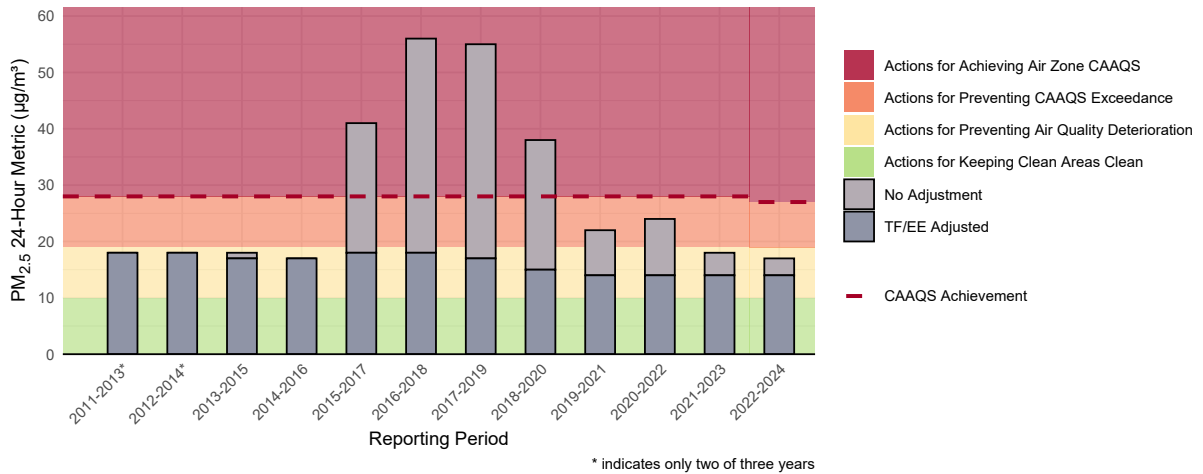


Air Zone: Georgia Strait

Monitoring Station: Whistler Meadow Park

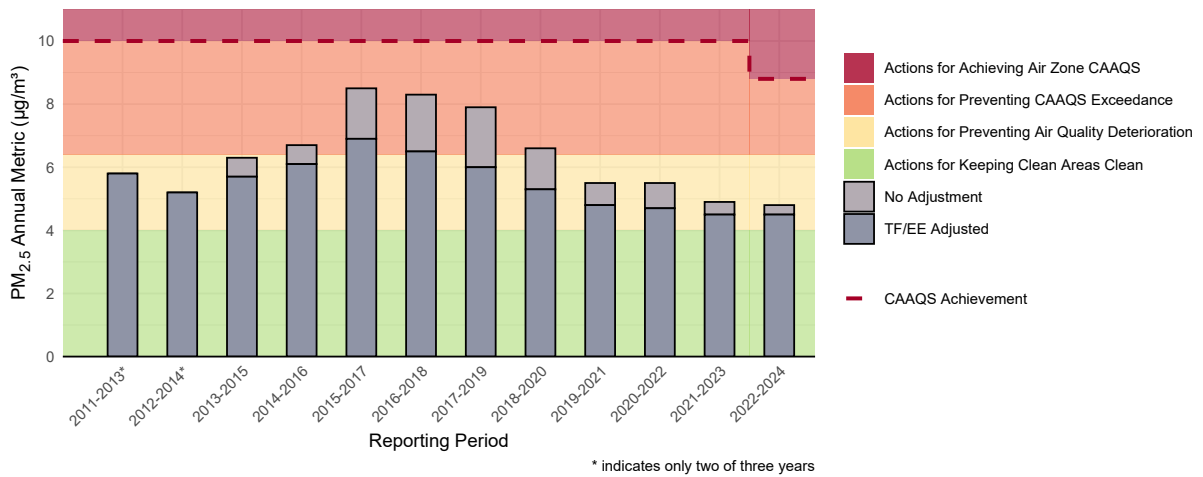
PM_{2.5} 24-hour Air Quality Standard: Achieved

PM_{2.5} 24-hour Metric: 17 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Achieved

PM_{2.5} Annual Metric: 4.8 µg/m³ (3 year average)

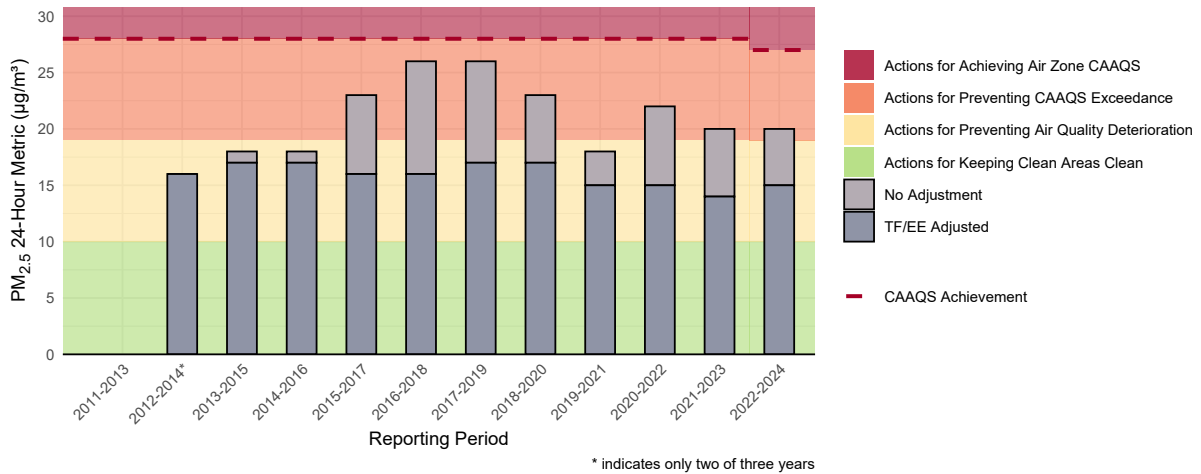


Air Zone: Lower Fraser Valley

Monitoring Station: Abbotsford A Columbia Street

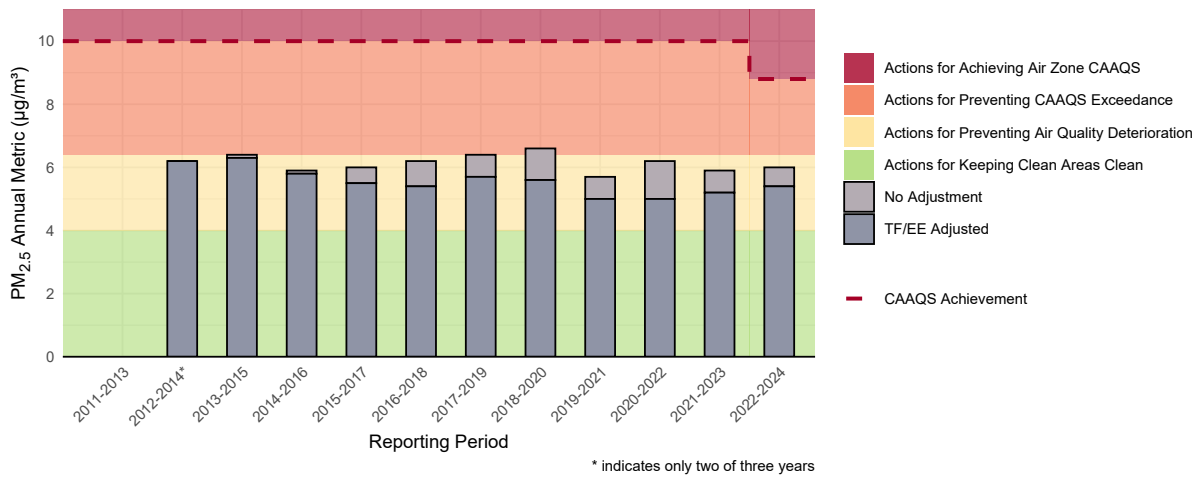
PM_{2.5} 24-hour Air Quality Standard: Achieved

PM_{2.5} 24-hour Metric: 20 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Achieved

PM_{2.5} Annual Metric: 6 µg/m³ (3 year average)

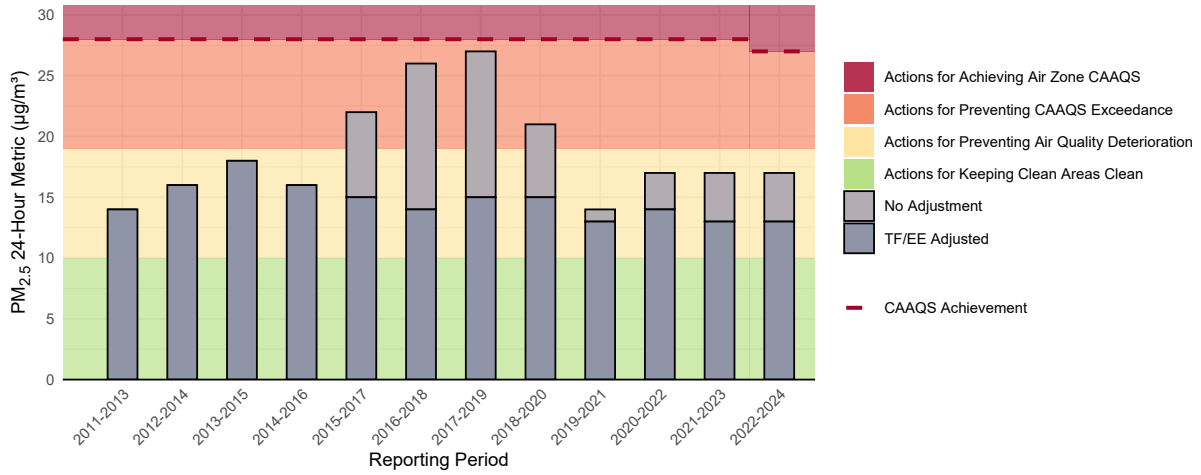


Air Zone: Lower Fraser Valley

Monitoring Station: Abbotsford Central

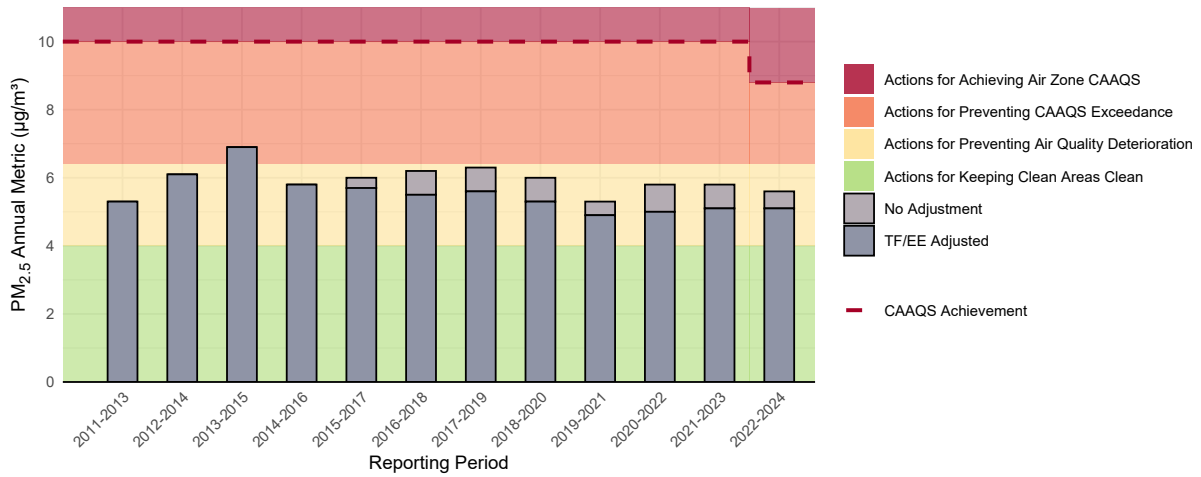
PM_{2.5} 24-hour Air Quality Standard: Achieved

PM_{2.5} 24-hour Metric: 17 µg/m³ (3 year average)



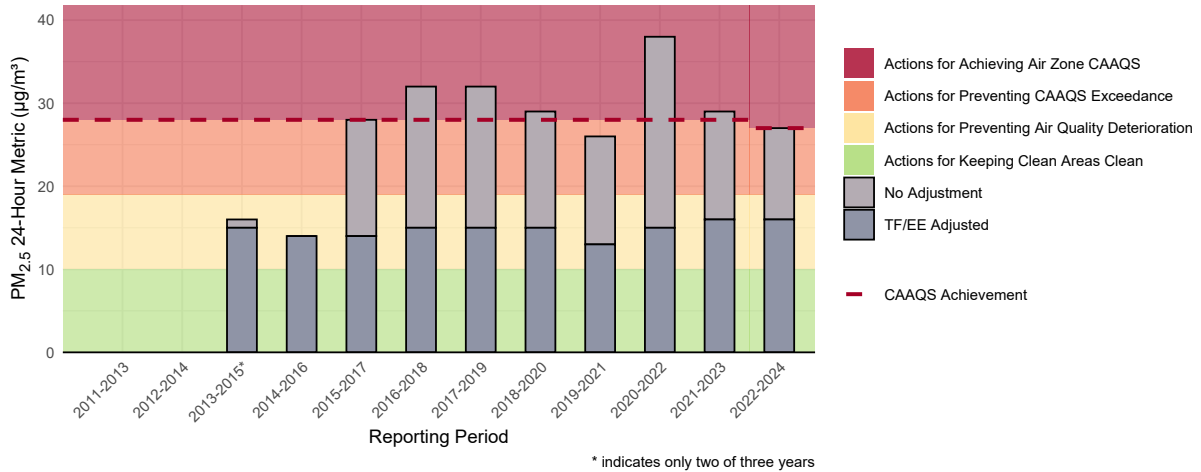
PM_{2.5} Annual Air Quality Standard: Achieved

PM_{2.5} Annual Metric: 5.6 µg/m³ (3 year average)

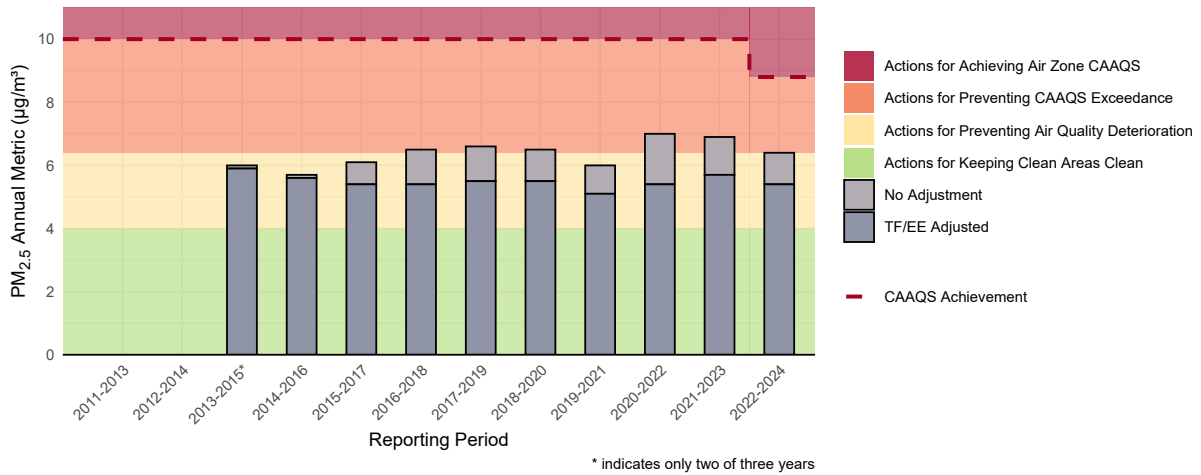


Air Zone: Lower Fraser Valley
Monitoring Station: Agassiz

PM_{2.5} 24-hour Air Quality Standard: Achieved
PM_{2.5} 24-hour Metric: 27 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Achieved
PM_{2.5} Annual Metric: 6.4 µg/m³ (3 year average)

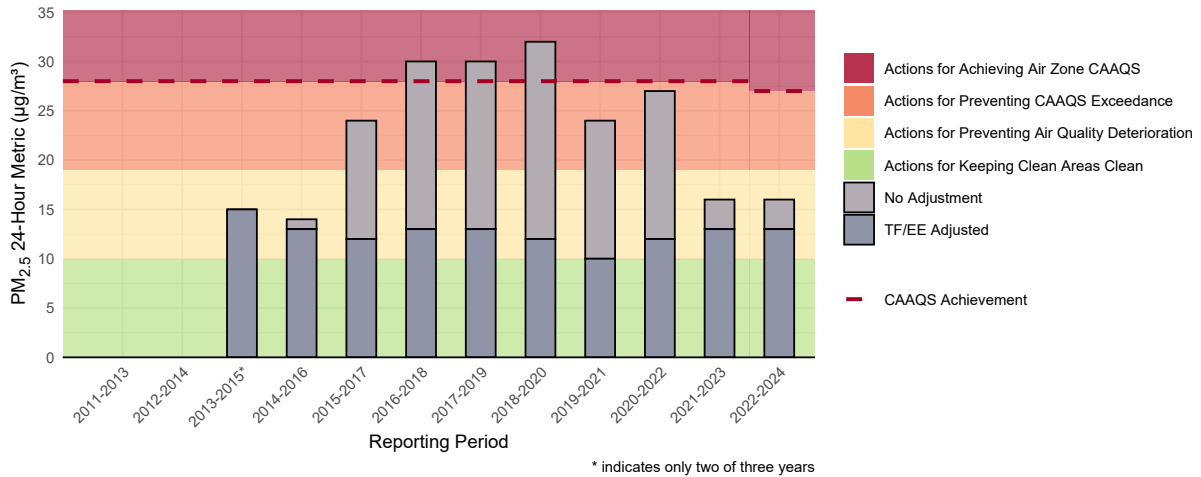


Air Zone: Lower Fraser Valley

Monitoring Station: Burnaby Kensington Park

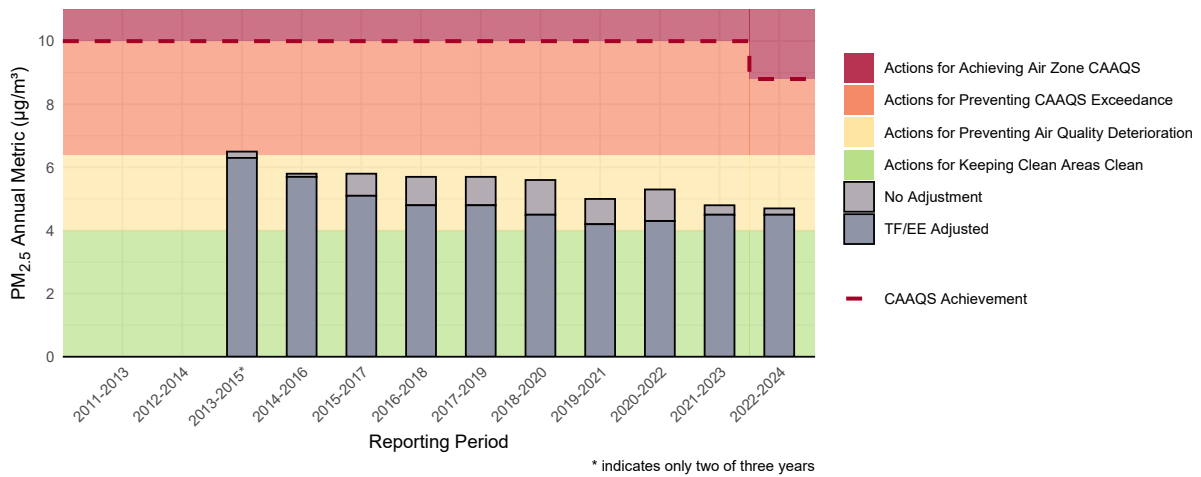
PM_{2.5} 24-hour Air Quality Standard: Achieved

PM_{2.5} 24-hour Metric: 16 µg/m³ (3 year average)



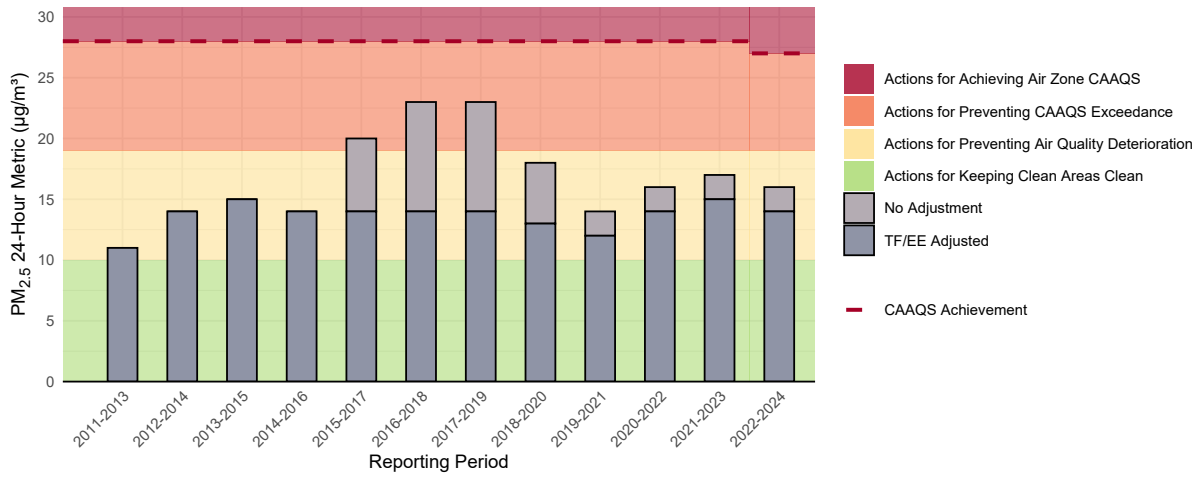
PM_{2.5} Annual Air Quality Standard: Achieved

PM_{2.5} Annual Metric: 4.7 µg/m³ (3 year average)

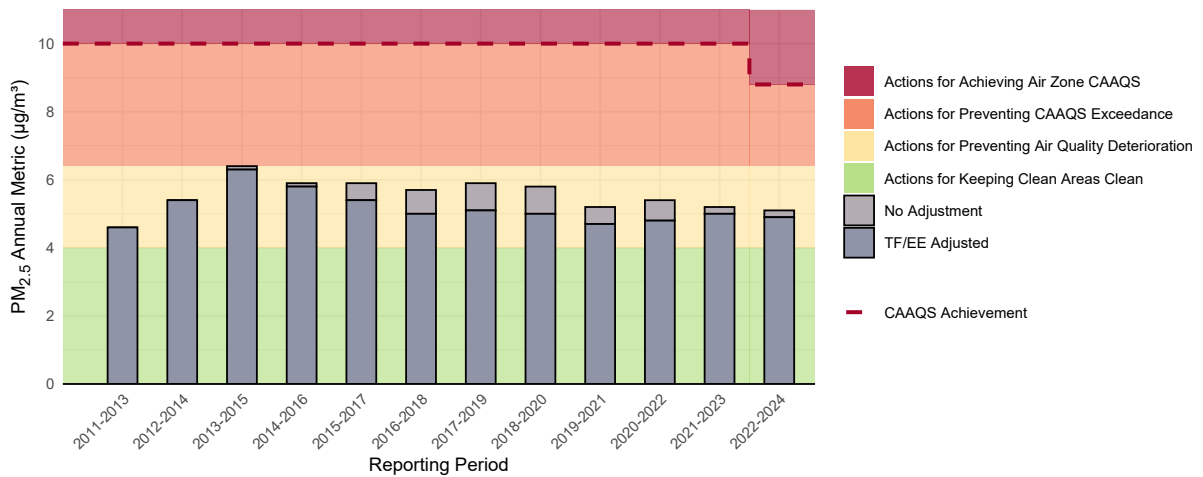


Air Zone: Lower Fraser Valley
Monitoring Station: Burnaby South

PM_{2.5} 24-hour Air Quality Standard: Achieved
PM_{2.5} 24-hour Metric: 16 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Achieved
PM_{2.5} Annual Metric: 5.1 µg/m³ (3 year average)

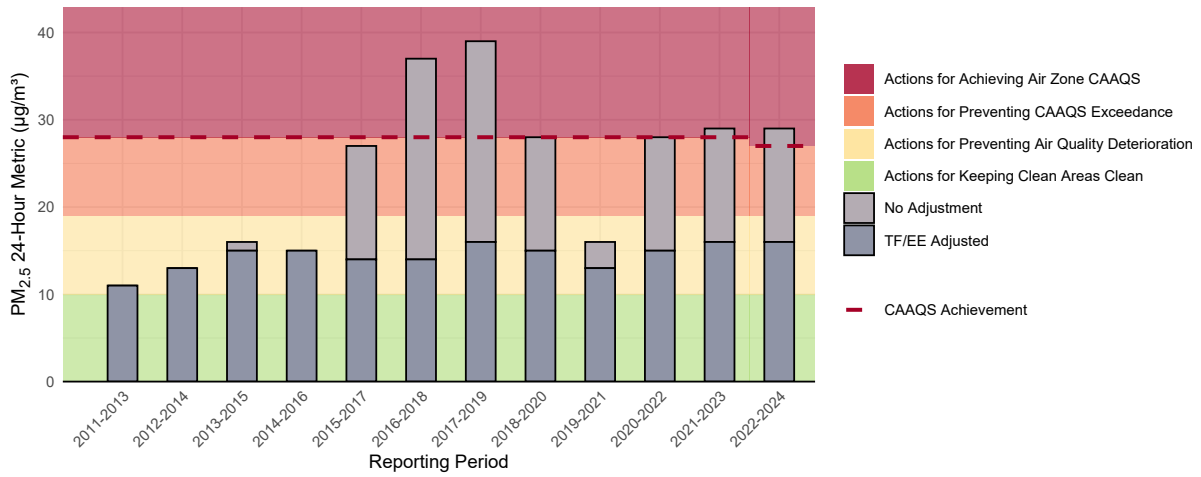


Air Zone: Lower Fraser Valley

Monitoring Station: Chilliwack Airport

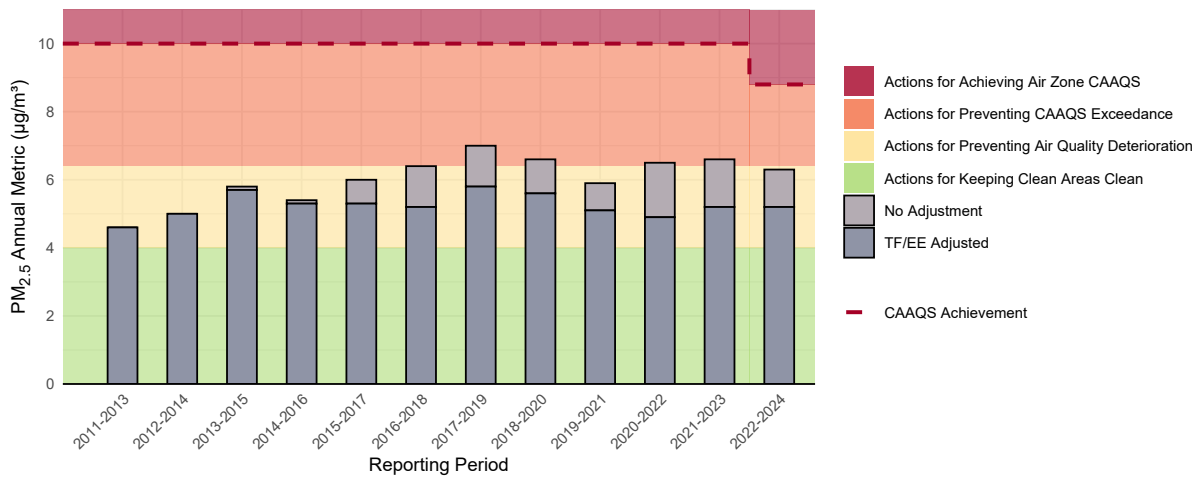
PM_{2.5} 24-hour Air Quality Standard: Not Achieved

PM_{2.5} 24-hour Metric: 29 µg/m³ (3 year average)



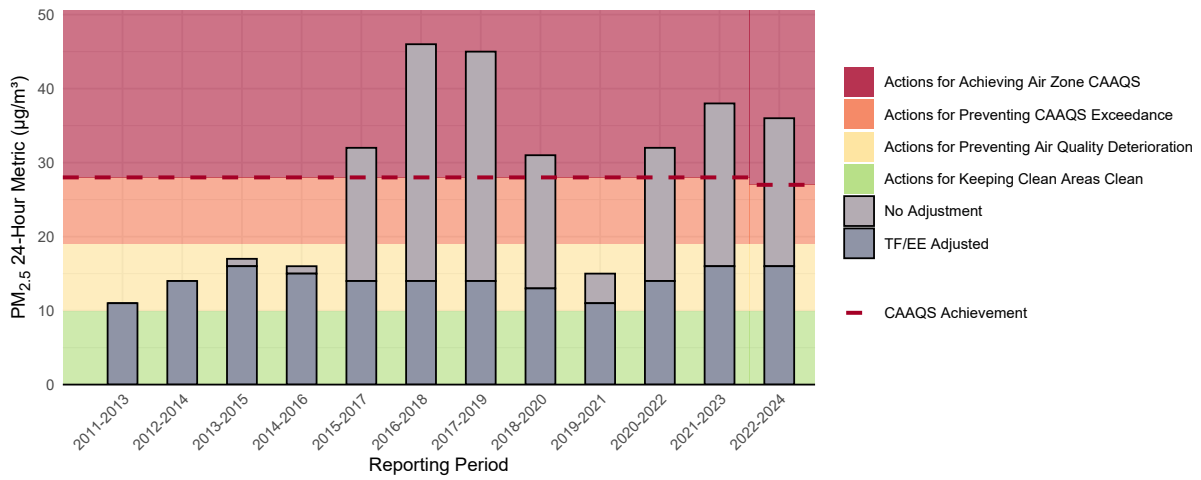
PM_{2.5} Annual Air Quality Standard: Achieved

PM_{2.5} Annual Metric: 6.3 µg/m³ (3 year average)

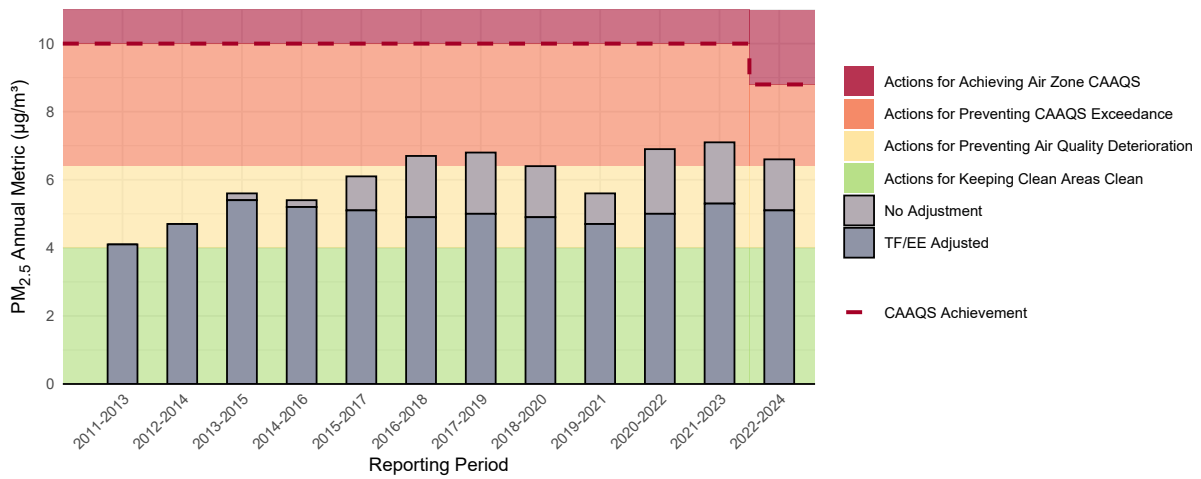


Air Zone: Lower Fraser Valley
Monitoring Station: Hope Airport

PM_{2.5} 24-hour Air Quality Standard: Not Achieved
PM_{2.5} 24-hour Metric: 36 µg/m³ (3 year average)

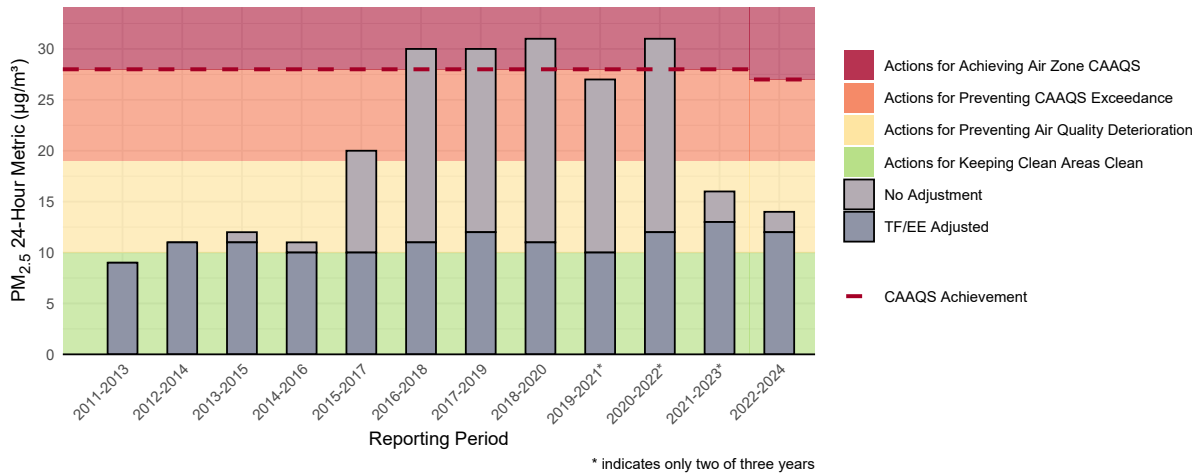


PM_{2.5} Annual Air Quality Standard: Achieved
PM_{2.5} Annual Metric: 6.6 µg/m³ (3 year average)

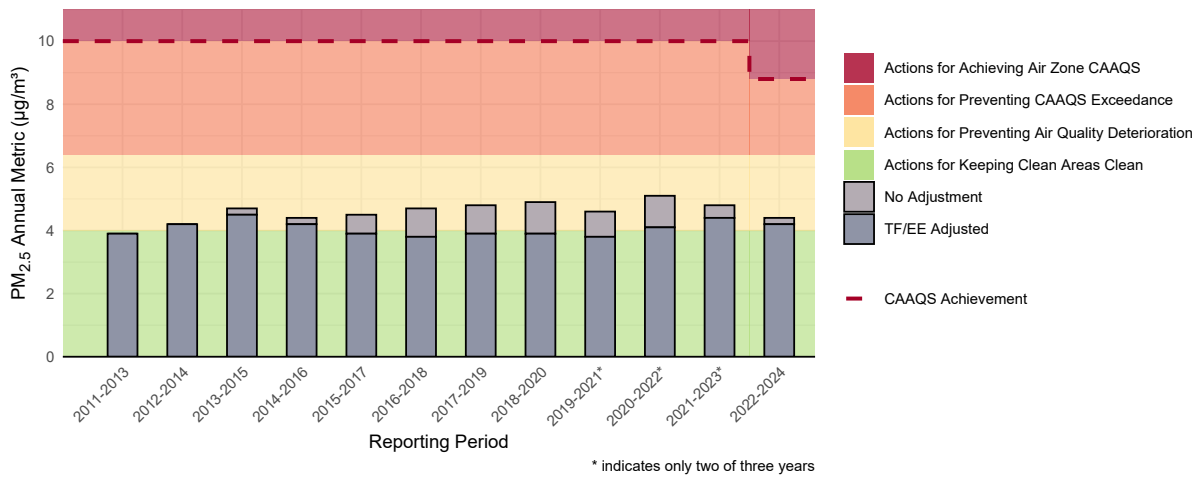


Air Zone: Lower Fraser Valley
Monitoring Station: Horseshoe Bay

PM_{2.5} 24-hour Air Quality Standard: Achieved
PM_{2.5} 24-hour Metric: 14 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Achieved
PM_{2.5} Annual Metric: 4.4 µg/m³ (3 year average)

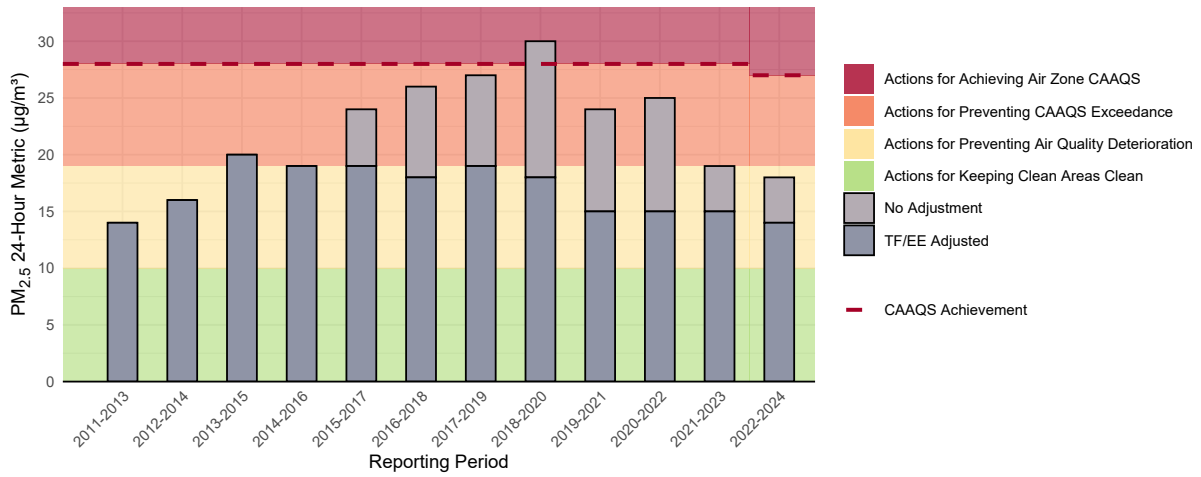


Air Zone: Lower Fraser Valley

Monitoring Station: Langley Central

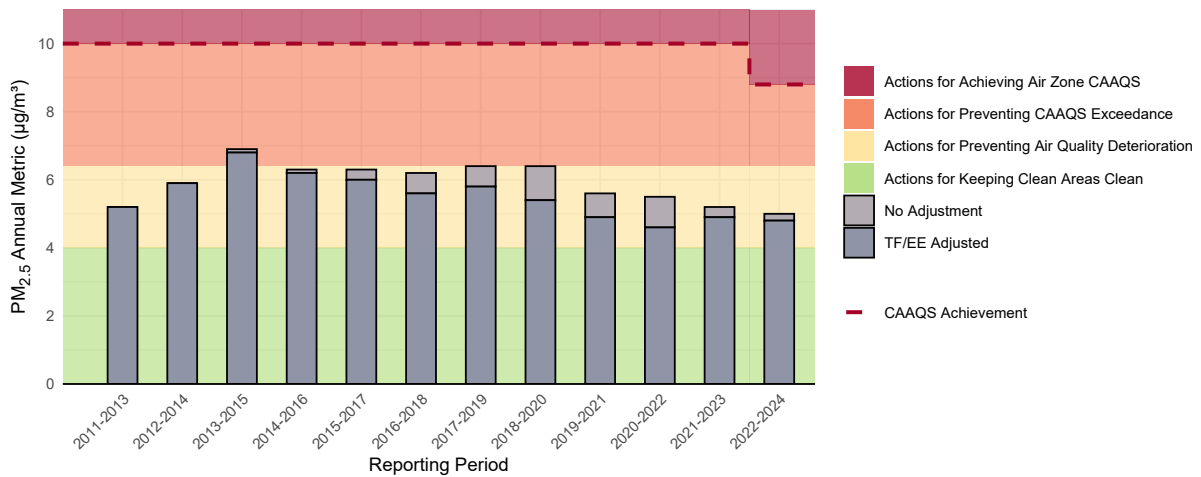
PM_{2.5} 24-hour Air Quality Standard: Achieved

PM_{2.5} 24-hour Metric: 18 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Achieved

PM_{2.5} Annual Metric: 5 µg/m³ (3 year average)

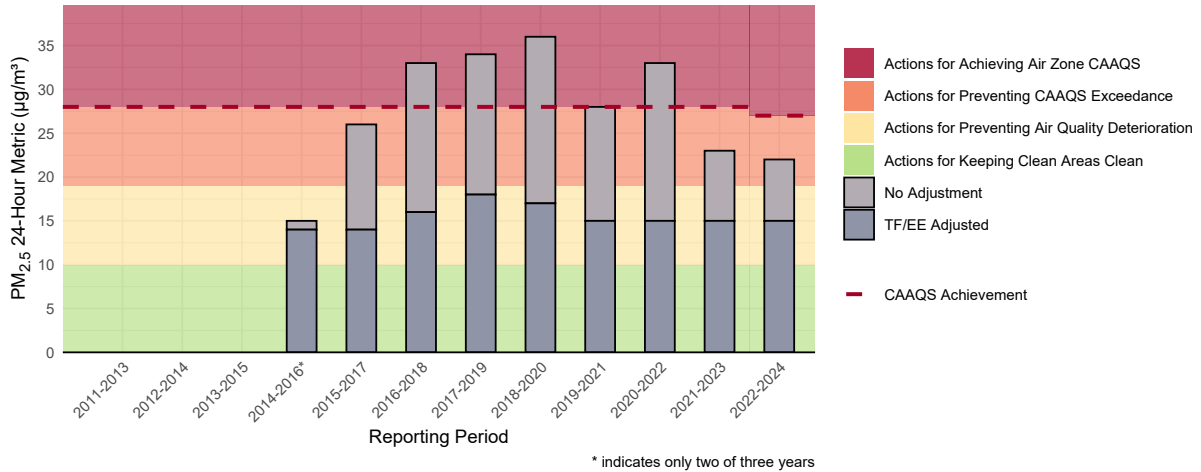


Air Zone: Lower Fraser Valley

Monitoring Station: Mission School Works Yard

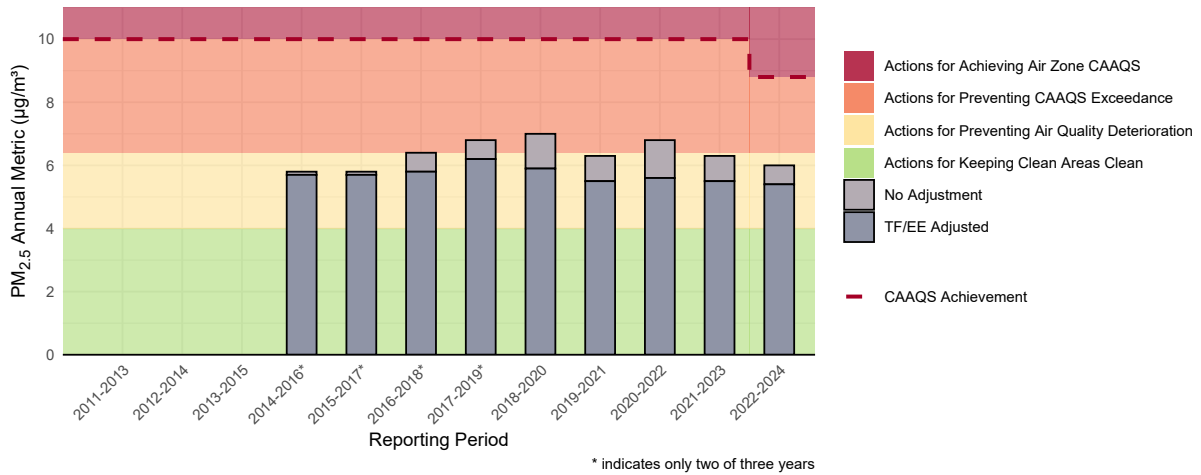
PM_{2.5} 24-hour Air Quality Standard: Achieved

PM_{2.5} 24-hour Metric: 22 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Achieved

PM_{2.5} Annual Metric: 6 µg/m³ (3 year average)

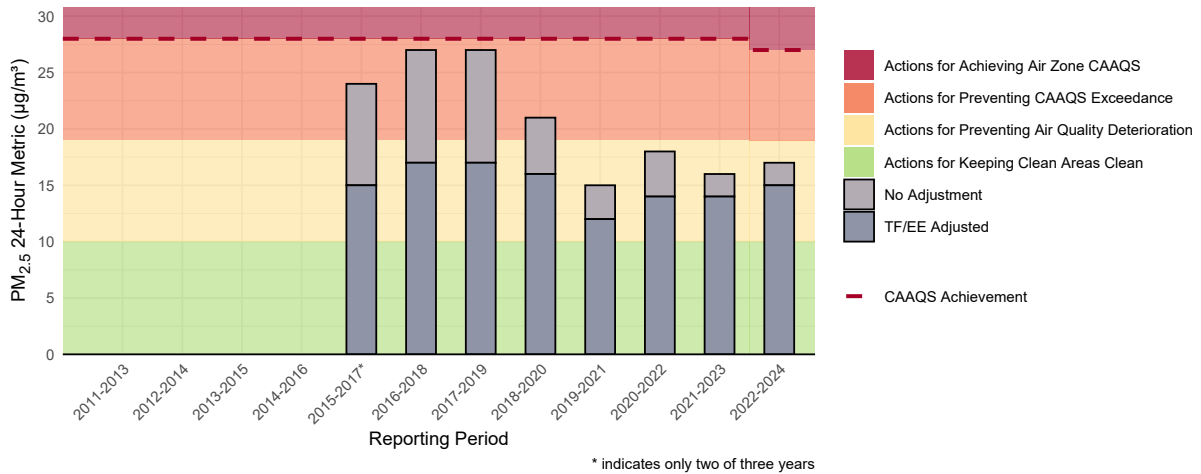


Air Zone: Lower Fraser Valley

Monitoring Station: New Westminster Sapperton Park

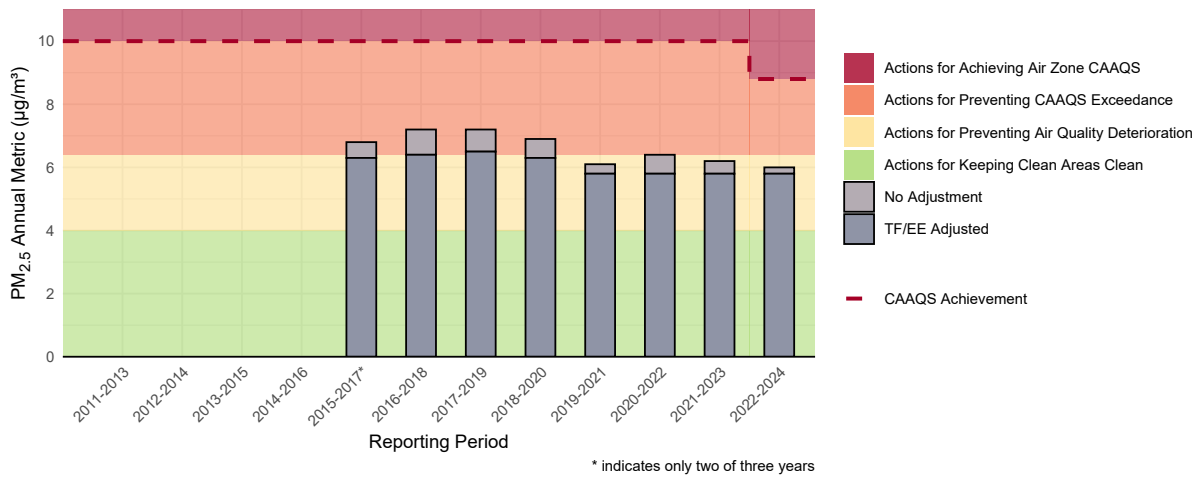
PM_{2.5} 24-hour Air Quality Standard: Achieved

PM_{2.5} 24-hour Metric: 17 µg/m³ (3 year average)



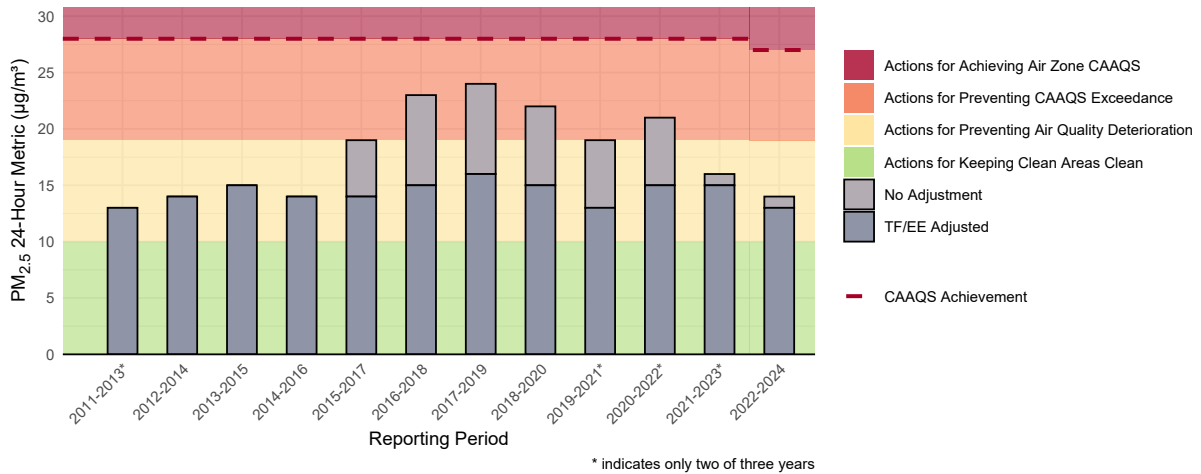
PM_{2.5} Annual Air Quality Standard: Achieved

PM_{2.5} Annual Metric: 6 µg/m³ (3 year average)

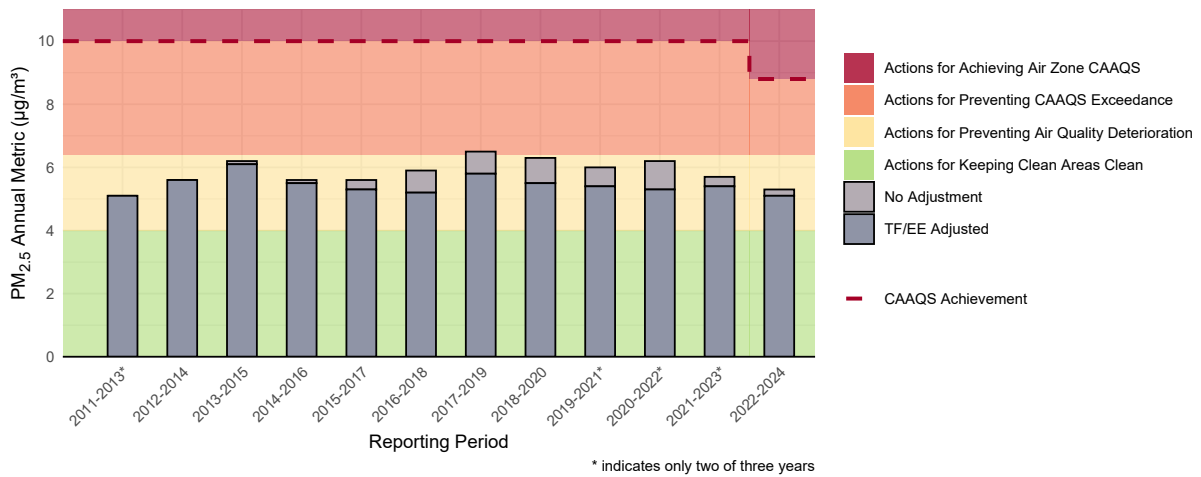


Air Zone: Lower Fraser Valley
Monitoring Station: North Delta

PM_{2.5} 24-hour Air Quality Standard: Achieved
PM_{2.5} 24-hour Metric: 14 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Achieved
PM_{2.5} Annual Metric: 5.3 µg/m³ (3 year average)

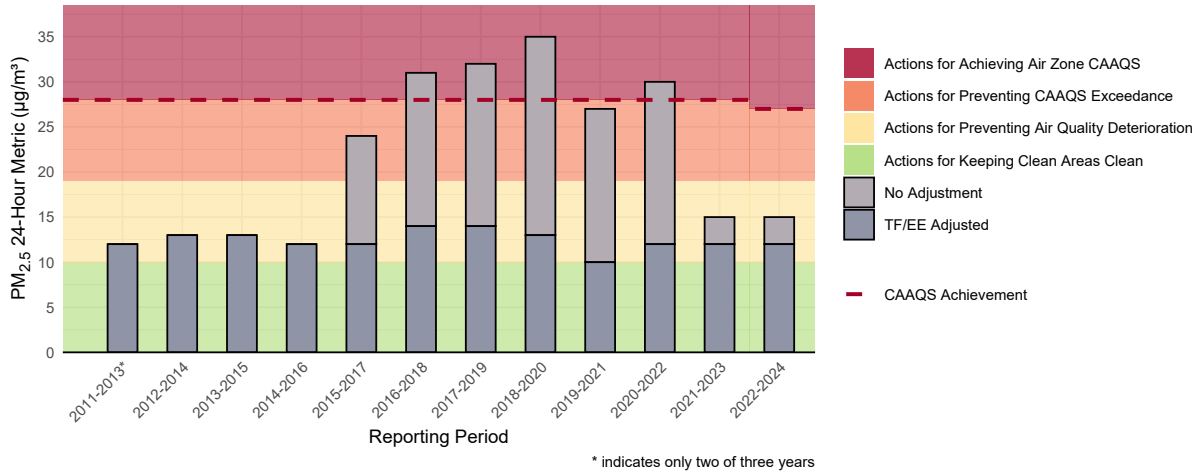


Air Zone: Lower Fraser Valley

Monitoring Station: North Vancouver Mahon Park

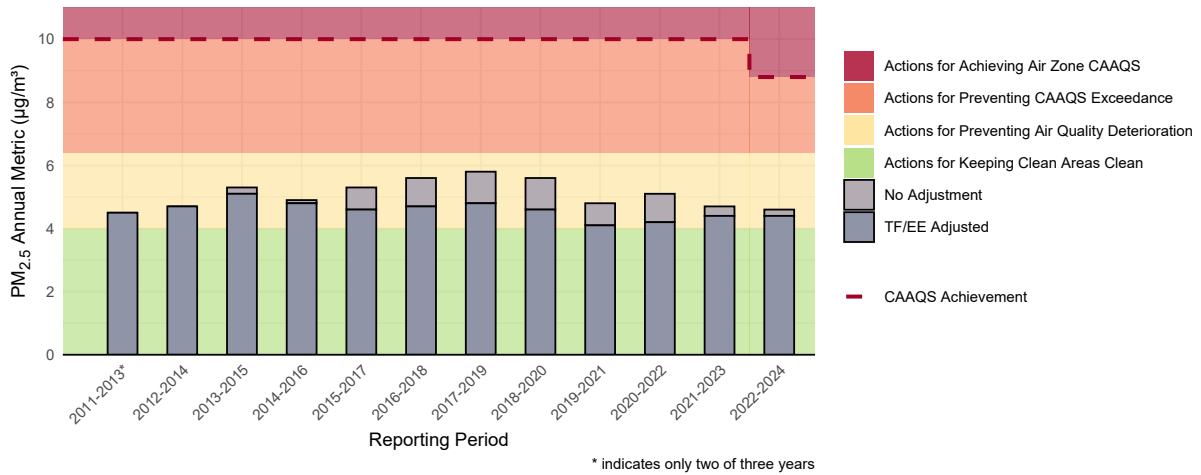
PM_{2.5} 24-hour Air Quality Standard: Achieved

PM_{2.5} 24-hour Metric: 15 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Achieved

PM_{2.5} Annual Metric: 4.6 µg/m³ (3 year average)

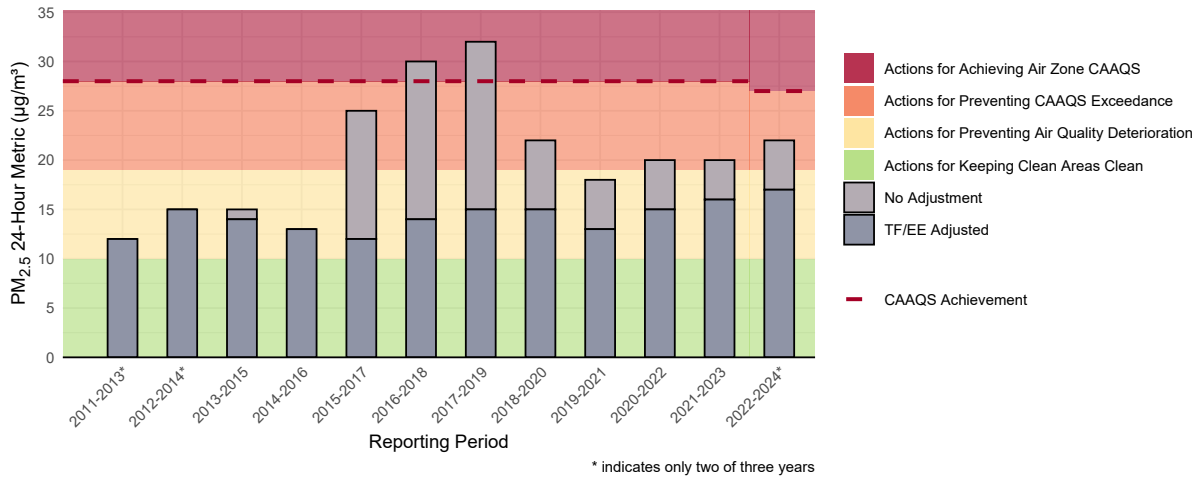


Air Zone: Lower Fraser Valley

Monitoring Station: North Vancouver Second Narrows

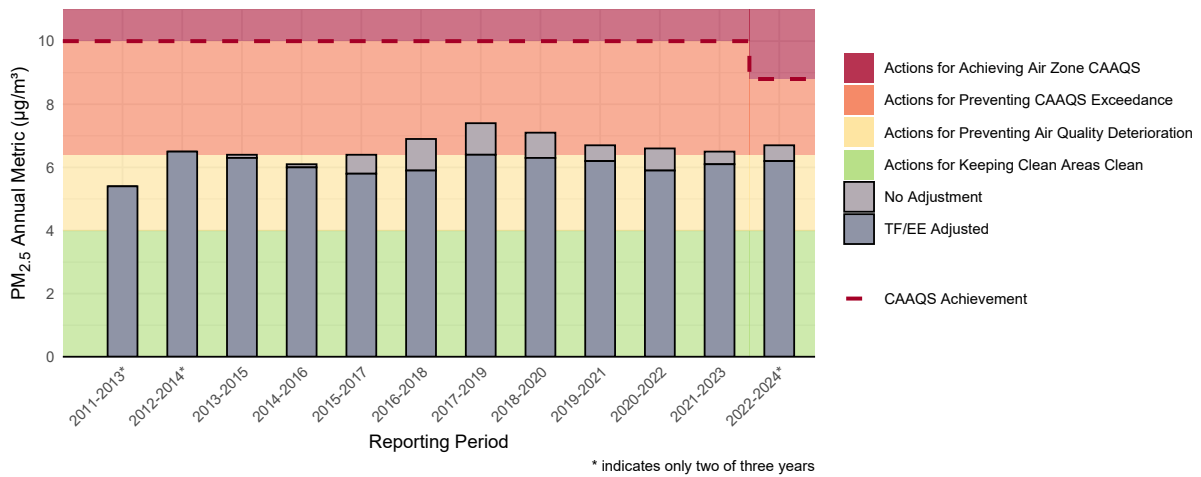
PM_{2.5} 24-hour Air Quality Standard: Achieved

PM_{2.5} 24-hour Metric: 22 µg/m³ (2 year average)



PM_{2.5} Annual Air Quality Standard: Achieved

PM_{2.5} Annual Metric: 6.7 µg/m³ (2 year average)

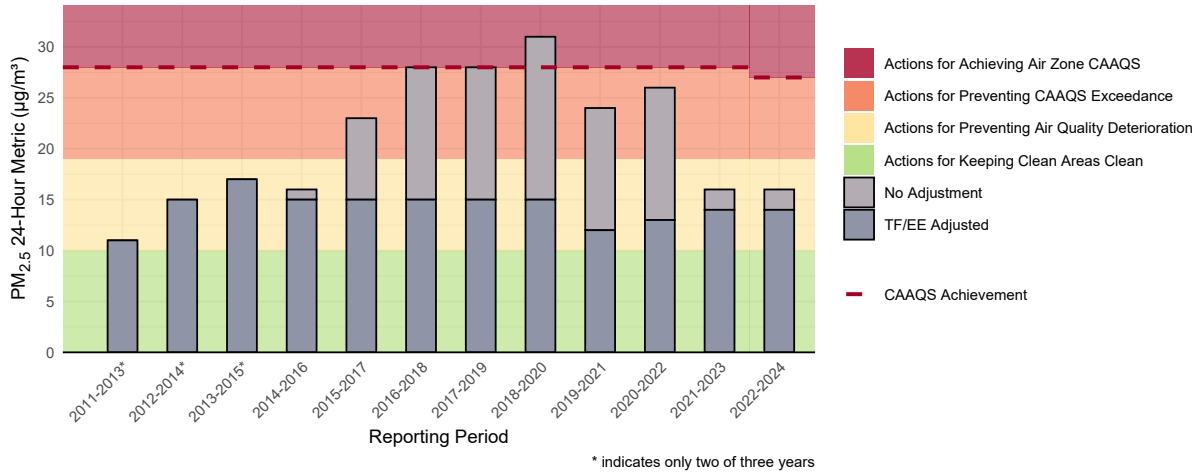


Air Zone: Lower Fraser Valley

Monitoring Station: Pitt Meadows Meadowlands School

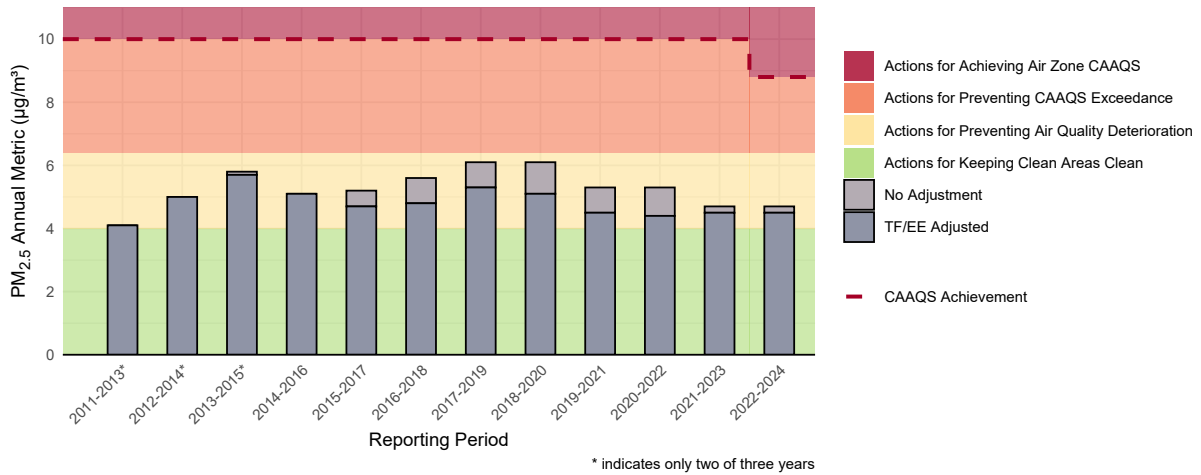
PM_{2.5} 24-hour Air Quality Standard: Achieved

PM_{2.5} 24-hour Metric: 16 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Achieved

PM_{2.5} Annual Metric: 4.7 µg/m³ (3 year average)

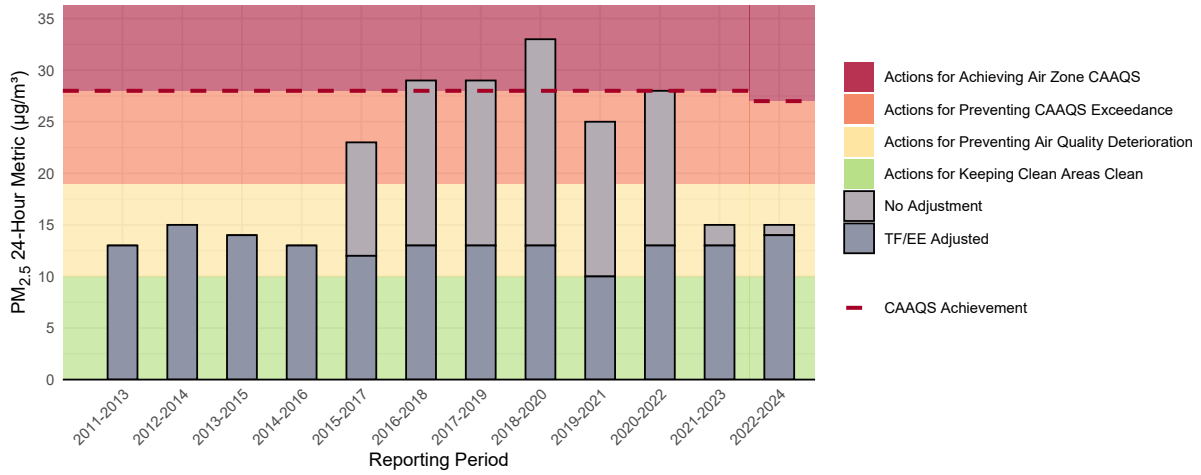


Air Zone: Lower Fraser Valley

Monitoring Station: Port Moody Rocky Point Park

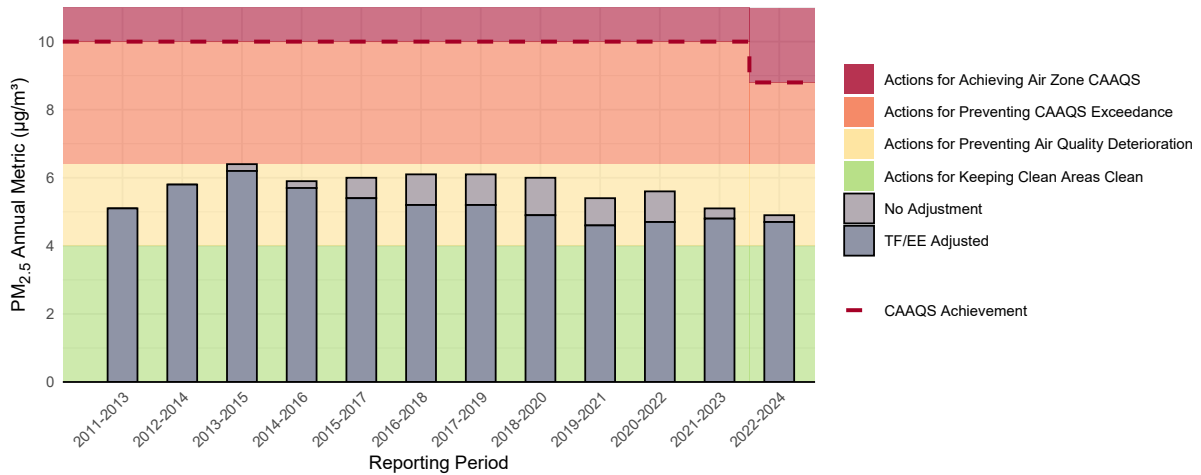
PM_{2.5} 24-hour Air Quality Standard: Achieved

PM_{2.5} 24-hour Metric: 15 µg/m³ (3 year average)



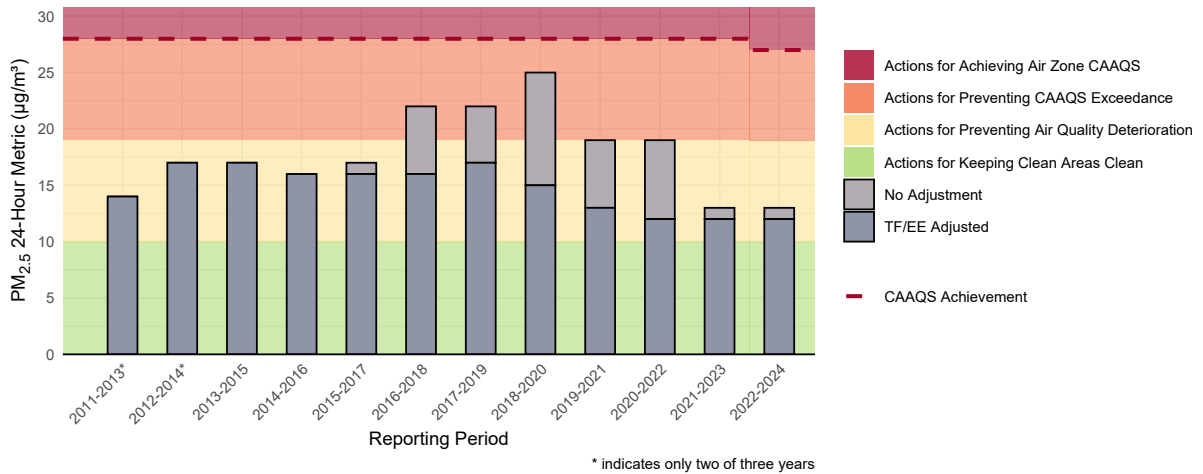
PM_{2.5} Annual Air Quality Standard: Achieved

PM_{2.5} Annual Metric: 4.9 µg/m³ (3 year average)

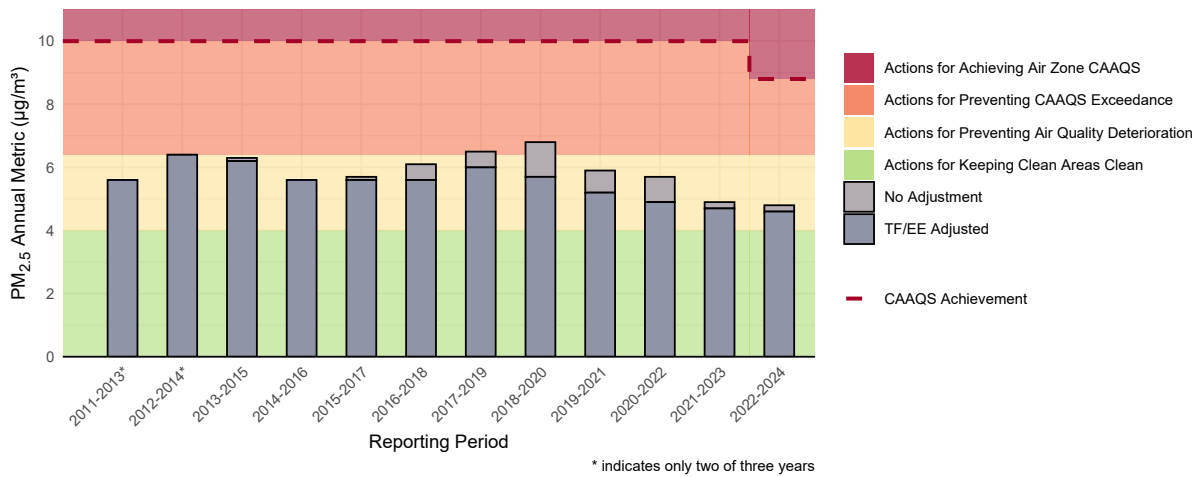


Air Zone: Lower Fraser Valley
Monitoring Station: Richmond South

PM_{2.5} 24-hour Air Quality Standard: Achieved
PM_{2.5} 24-hour Metric: 13 µg/m³ (3 year average)

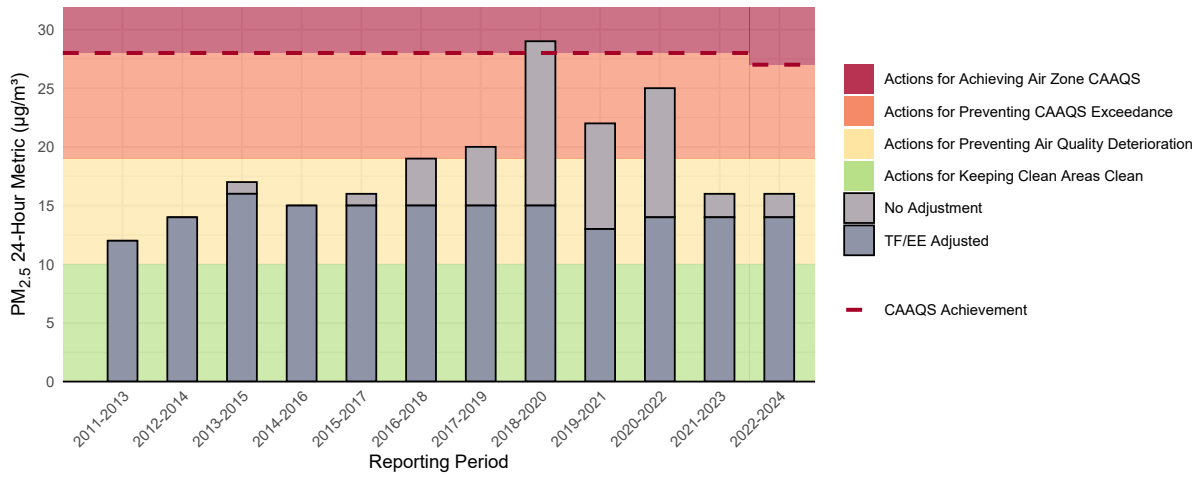


PM_{2.5} Annual Air Quality Standard: Achieved
PM_{2.5} Annual Metric: 4.8 µg/m³ (3 year average)

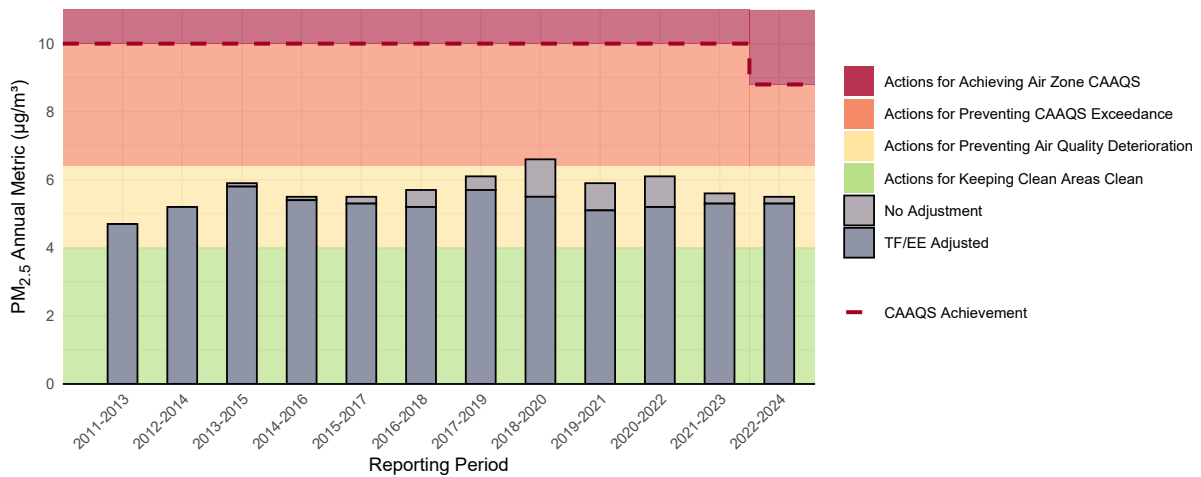


Air Zone: Lower Fraser Valley
Monitoring Station: Surrey East

PM_{2.5} 24-hour Air Quality Standard: Achieved
PM_{2.5} 24-hour Metric: 16 µg/m³ (3 year average)

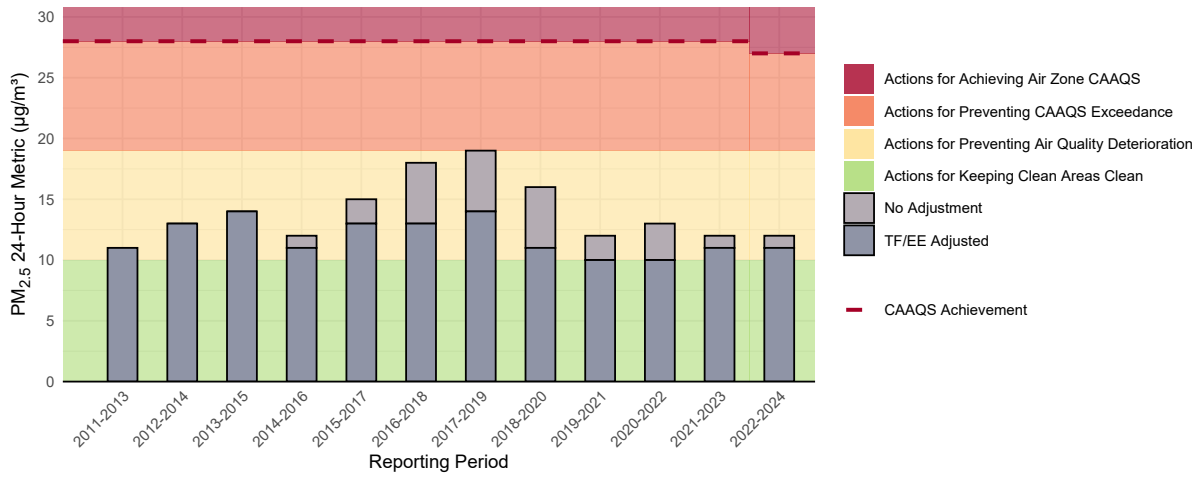


PM_{2.5} Annual Air Quality Standard: Achieved
PM_{2.5} Annual Metric: 5.5 µg/m³ (3 year average)

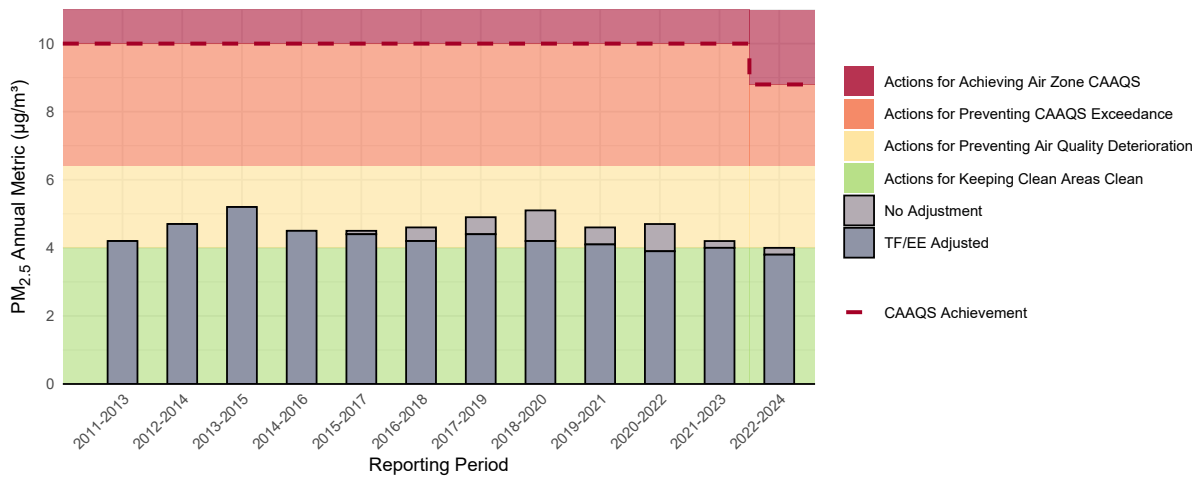


Air Zone: Lower Fraser Valley
Monitoring Station: Tsawwassen

PM_{2.5} 24-hour Air Quality Standard: Achieved
PM_{2.5} 24-hour Metric: 12 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Achieved
PM_{2.5} Annual Metric: 4 µg/m³ (3 year average)

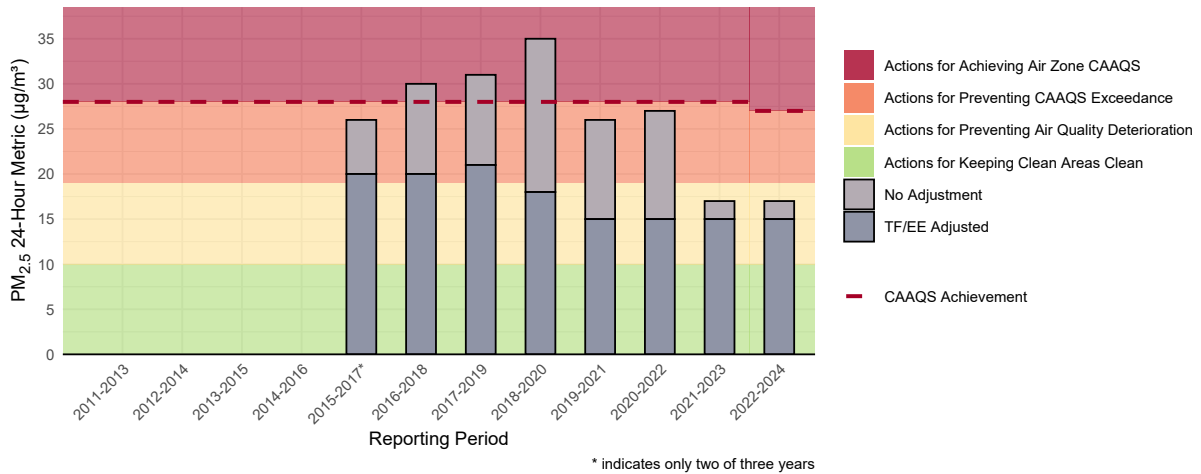


Air Zone: Lower Fraser Valley

Monitoring Station: Vancouver Clark Drive

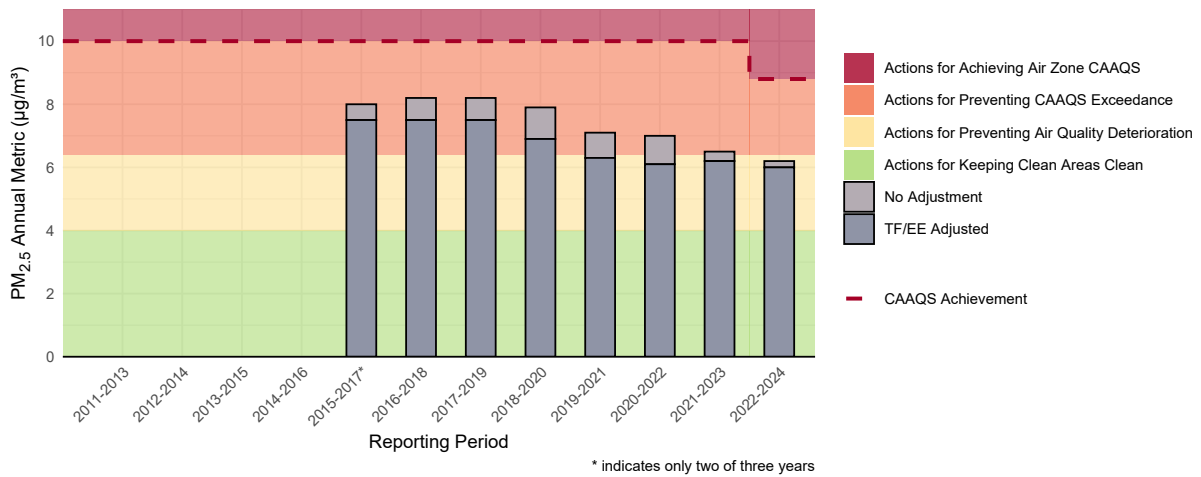
PM_{2.5} 24-hour Air Quality Standard: Achieved

PM_{2.5} 24-hour Metric: 17 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Achieved

PM_{2.5} Annual Metric: 6.2 µg/m³ (3 year average)

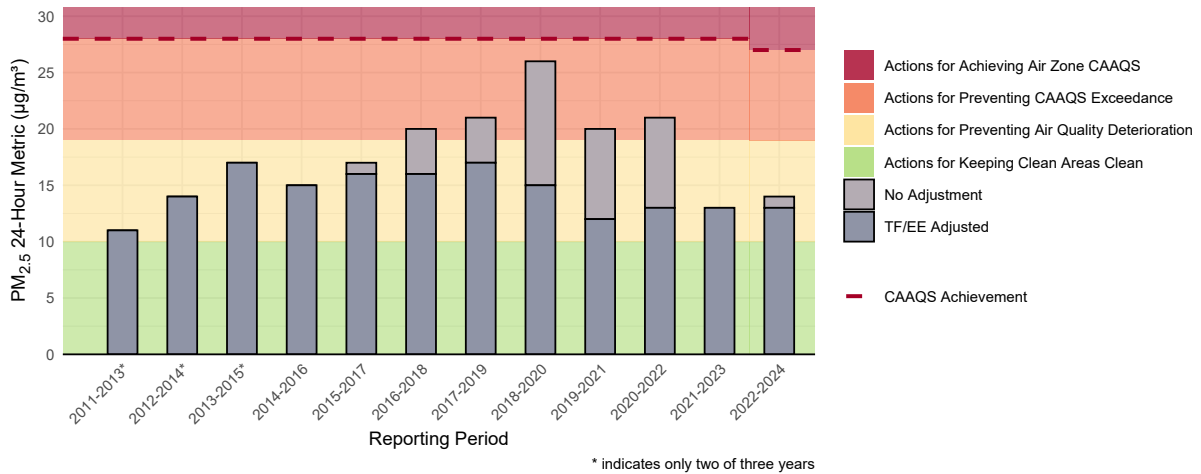


Air Zone: Lower Fraser Valley

Monitoring Station: Vancouver International Airport 2

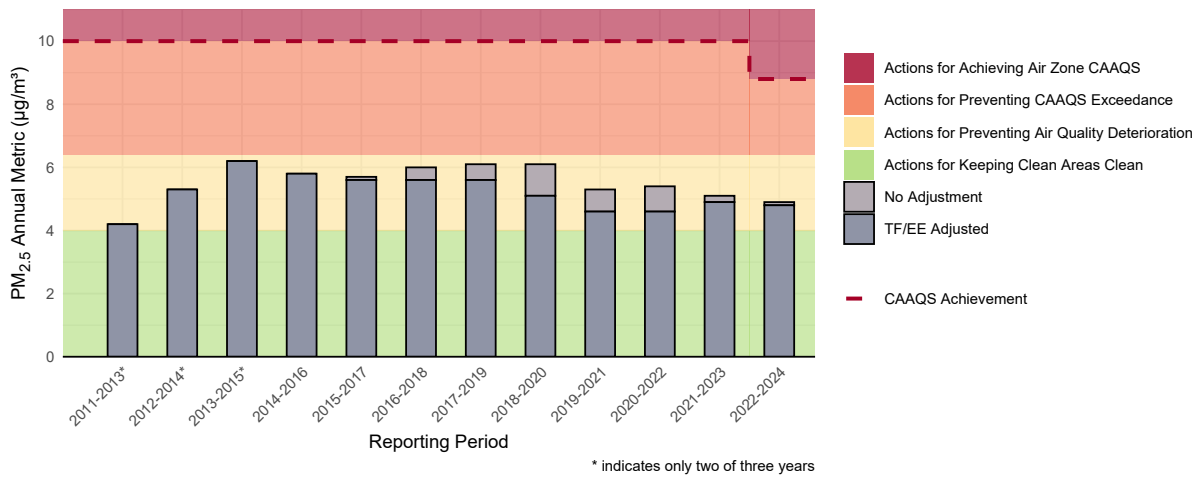
PM_{2.5} 24-hour Air Quality Standard: Achieved

PM_{2.5} 24-hour Metric: 14 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Achieved

PM_{2.5} Annual Metric: 4.9 µg/m³ (3 year average)

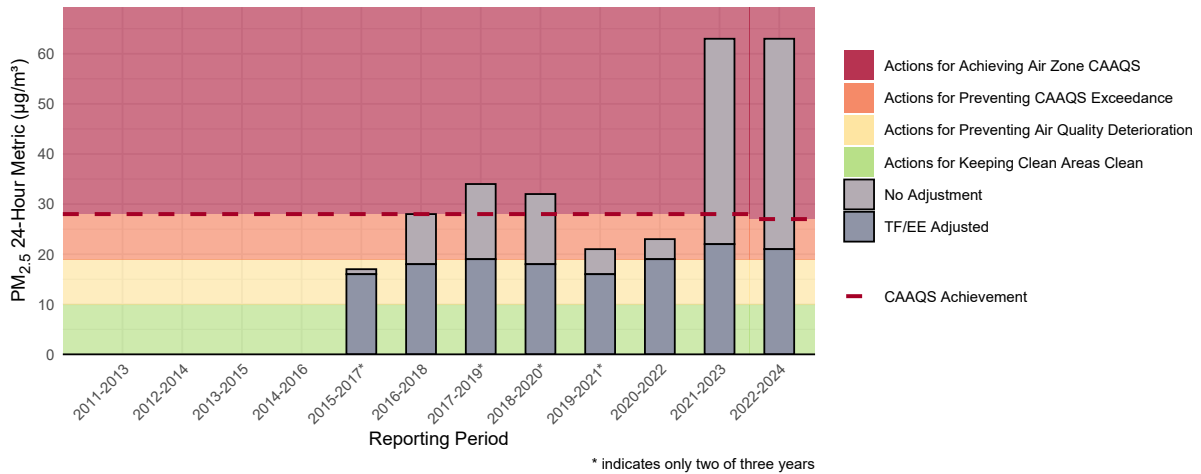


Air Zone: Northeast

Monitoring Station: Fort St John Key Learning Centre

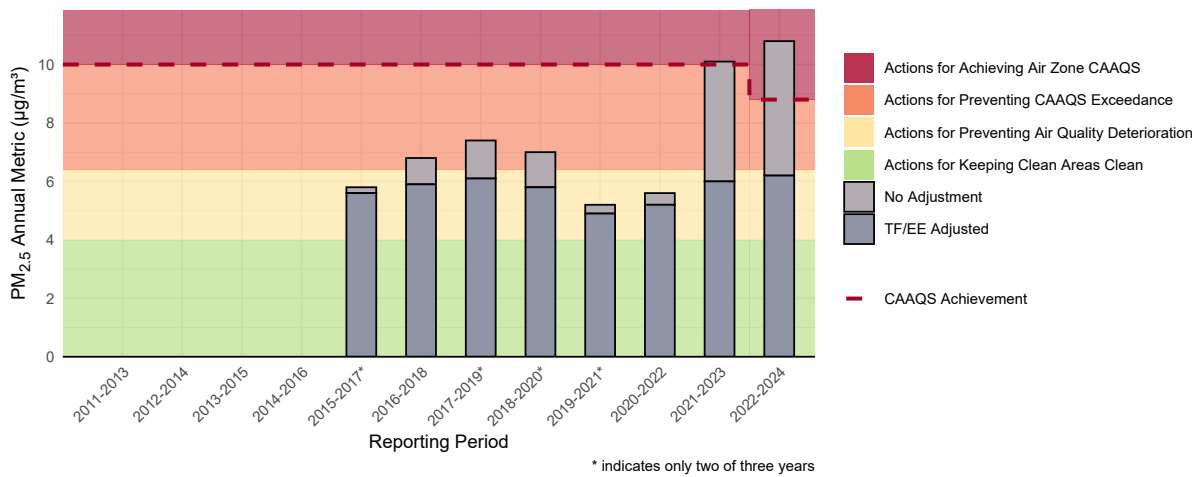
PM_{2.5} 24-hour Air Quality Standard: Not Achieved

PM_{2.5} 24-hour Metric: 63 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Not Achieved

PM_{2.5} Annual Metric: 10.8 µg/m³ (3 year average)

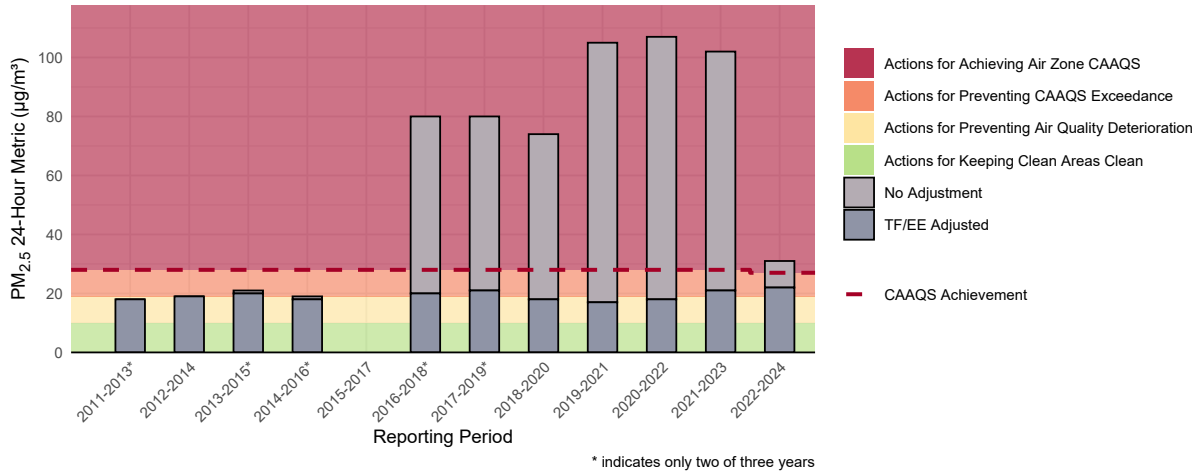


Air Zone: Southern Interior

Monitoring Station: Castlegar Zinio Park

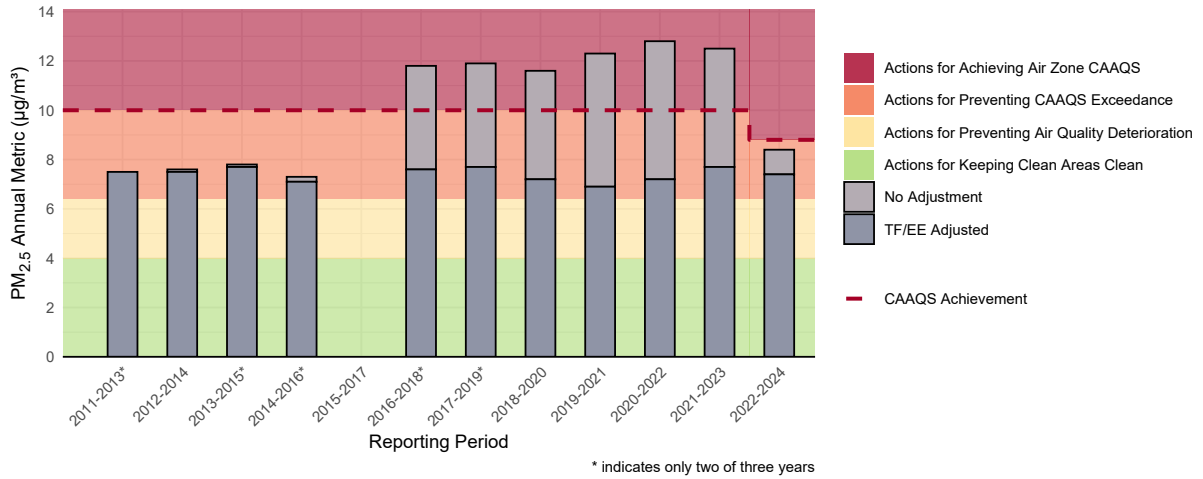
PM_{2.5} 24-hour Air Quality Standard: Not Achieved

PM_{2.5} 24-hour Metric: 31 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Achieved

PM_{2.5} Annual Metric: 8.4 µg/m³ (3 year average)

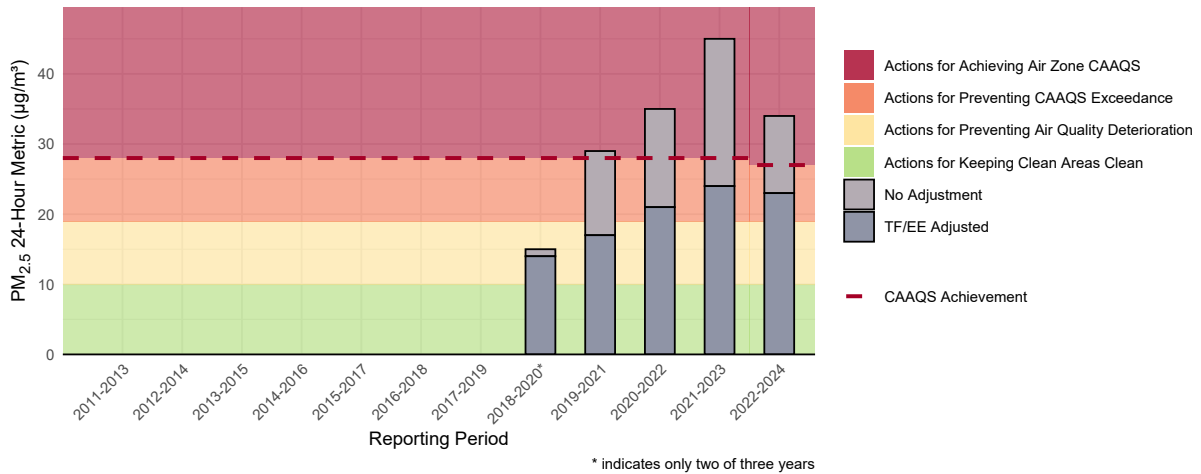


Air Zone: Southern Interior

Monitoring Station: Cranbrook Muriel Baxter

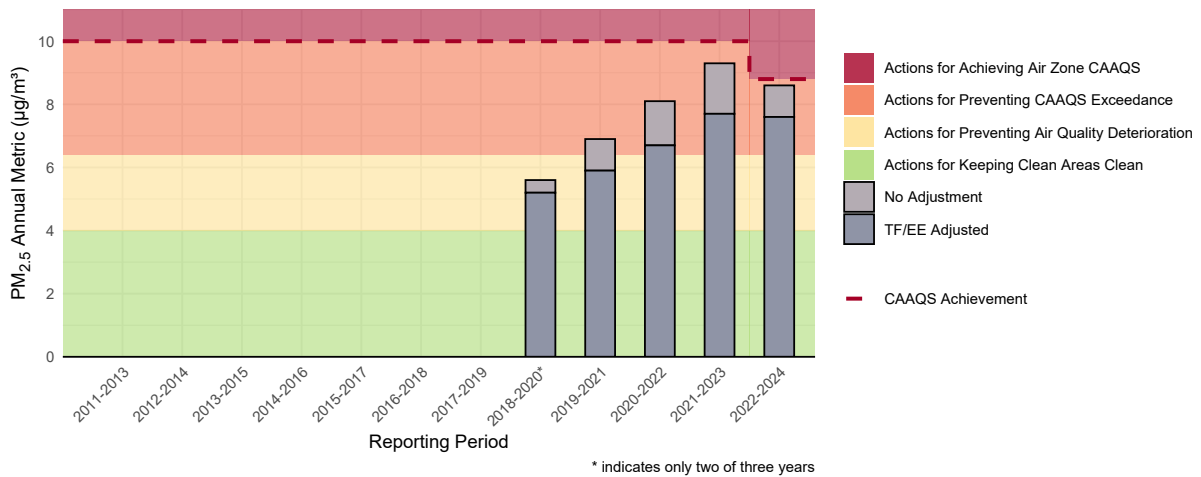
PM_{2.5} 24-hour Air Quality Standard: Not Achieved

PM_{2.5} 24-hour Metric: 34 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Achieved

PM_{2.5} Annual Metric: 8.6 µg/m³ (3 year average)

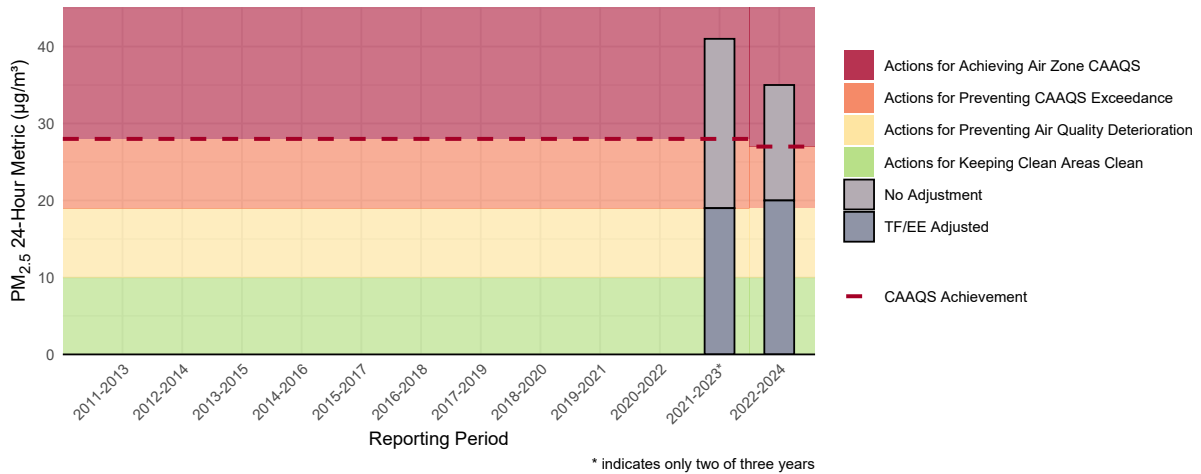


Air Zone: Southern Interior

Monitoring Station: Elkford Rocky Mountain Elementary School

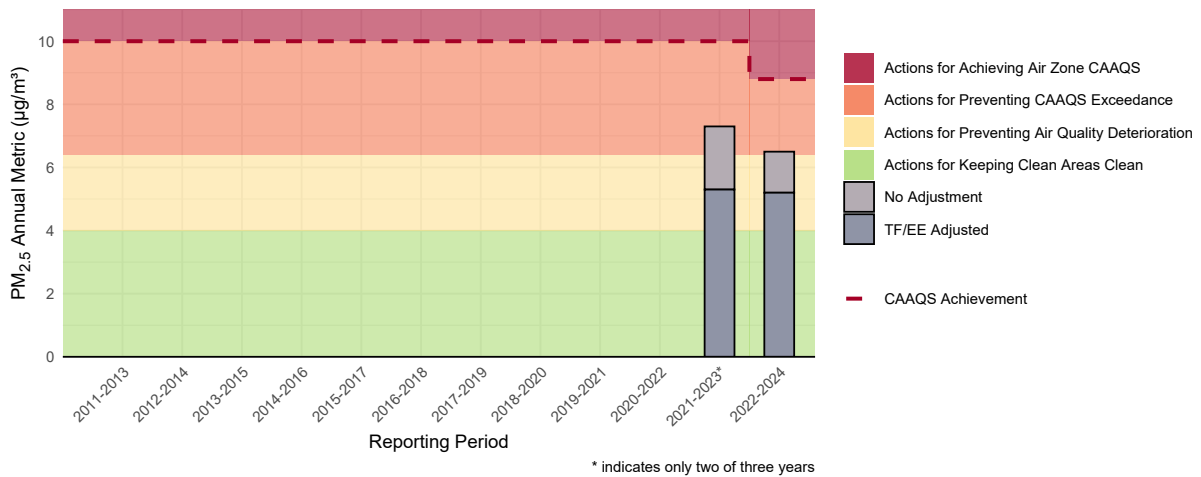
PM_{2.5} 24-hour Air Quality Standard: Not Achieved

PM_{2.5} 24-hour Metric: 35 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Achieved

PM_{2.5} Annual Metric: 6.5 µg/m³ (3 year average)

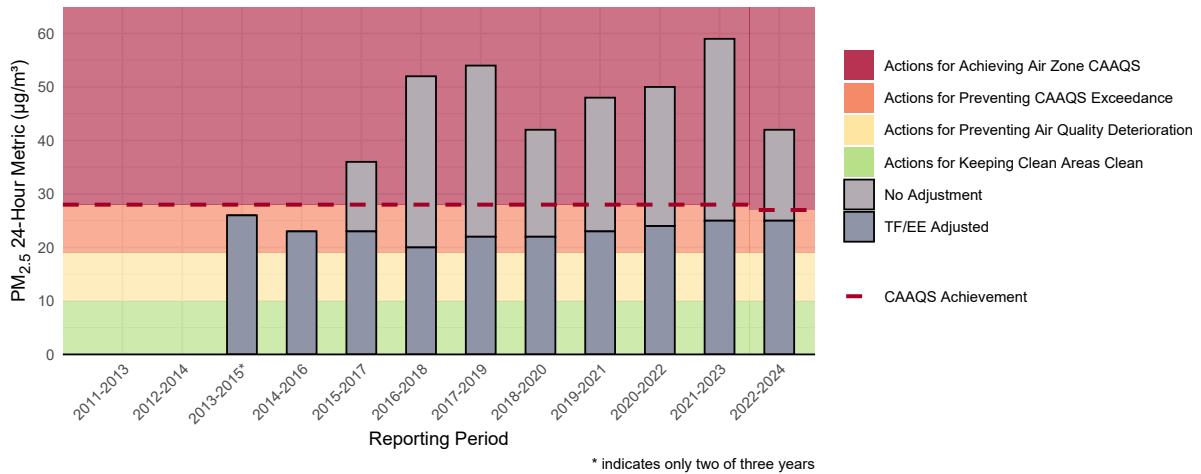


Air Zone: Southern Interior

Monitoring Station: Golden Helipad

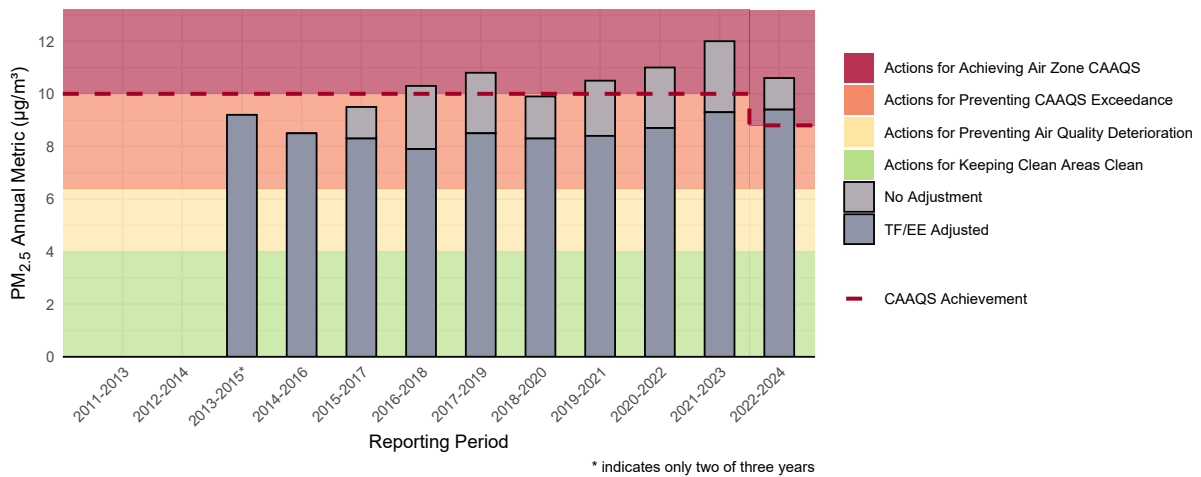
PM_{2.5} 24-hour Air Quality Standard: Not Achieved

PM_{2.5} 24-hour Metric: 42 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Not Achieved

PM_{2.5} Annual Metric: 10.6 µg/m³ (3 year average)

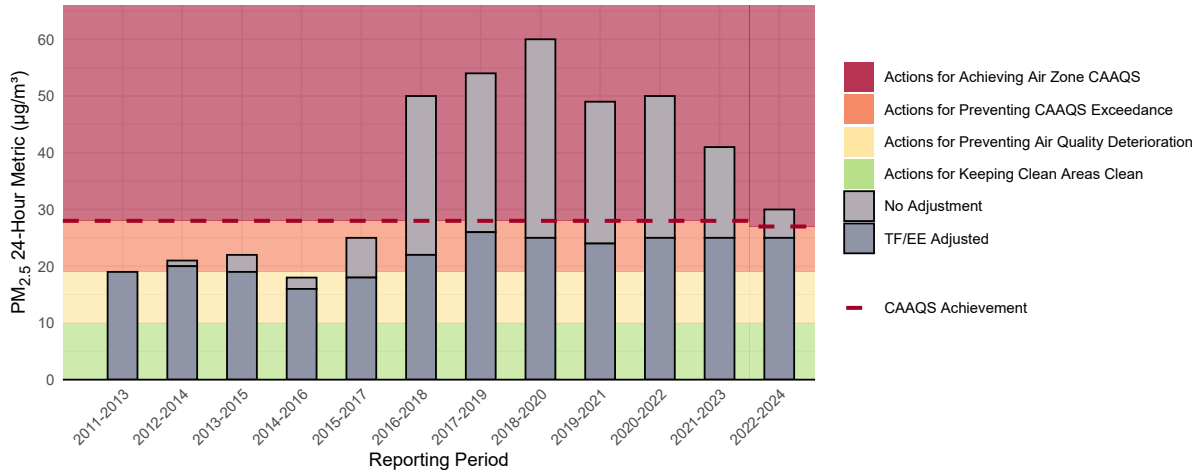


Air Zone: Southern Interior

Monitoring Station: Grand Forks City Hall

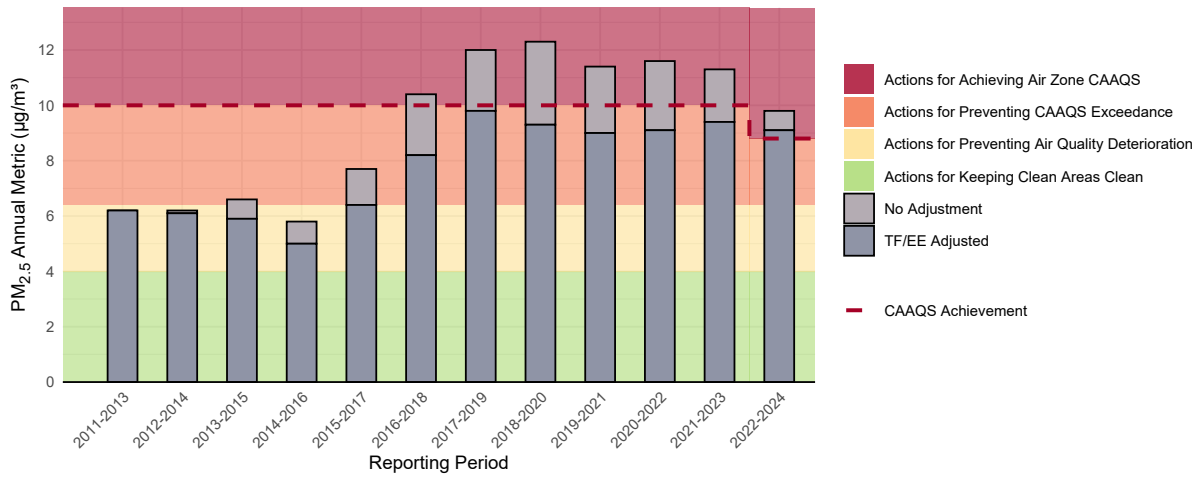
PM_{2.5} 24-hour Air Quality Standard: Not Achieved

PM_{2.5} 24-hour Metric: 30 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Not Achieved

PM_{2.5} Annual Metric: 9.8 µg/m³ (3 year average)

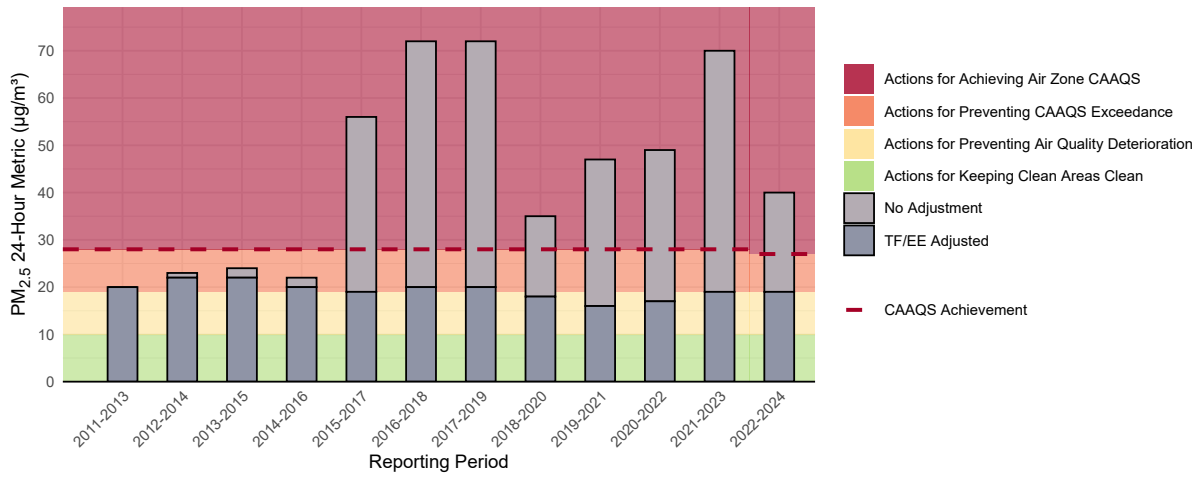


Air Zone: Southern Interior

Monitoring Station: Kamloops Federal Building

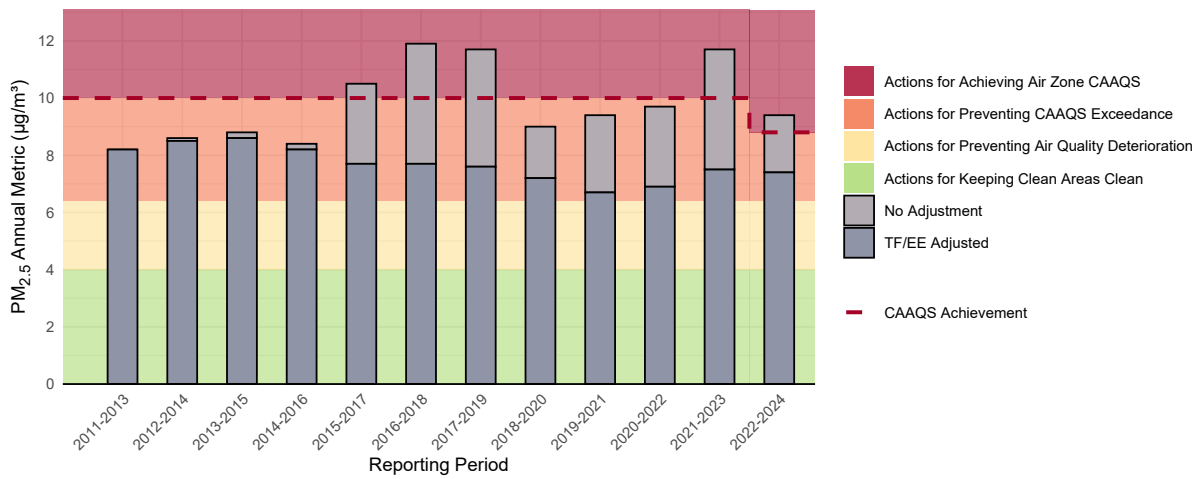
PM_{2.5} 24-hour Air Quality Standard: Not Achieved

PM_{2.5} 24-hour Metric: 40 µg/m³ (3 year average)



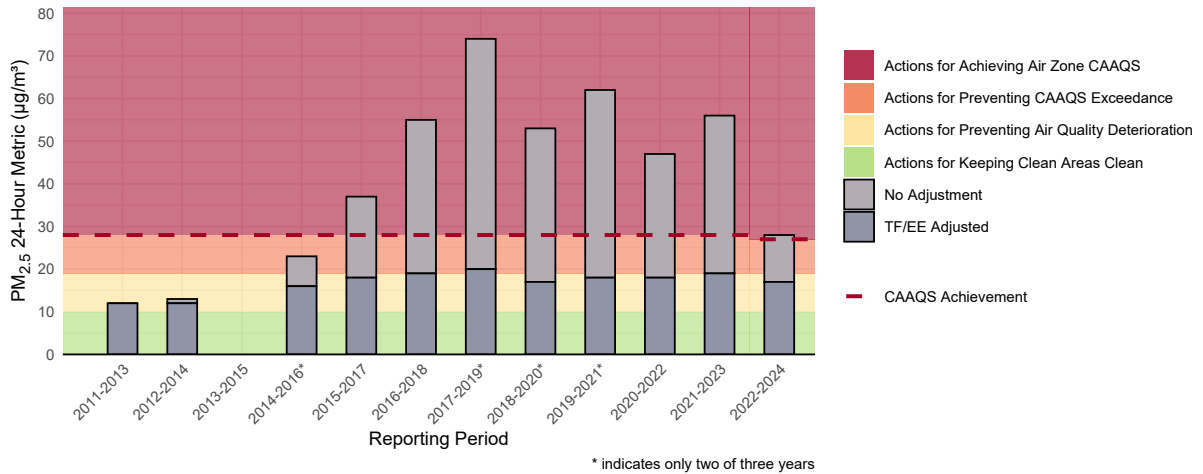
PM_{2.5} Annual Air Quality Standard: Not Achieved

PM_{2.5} Annual Metric: 9.4 µg/m³ (3 year average)

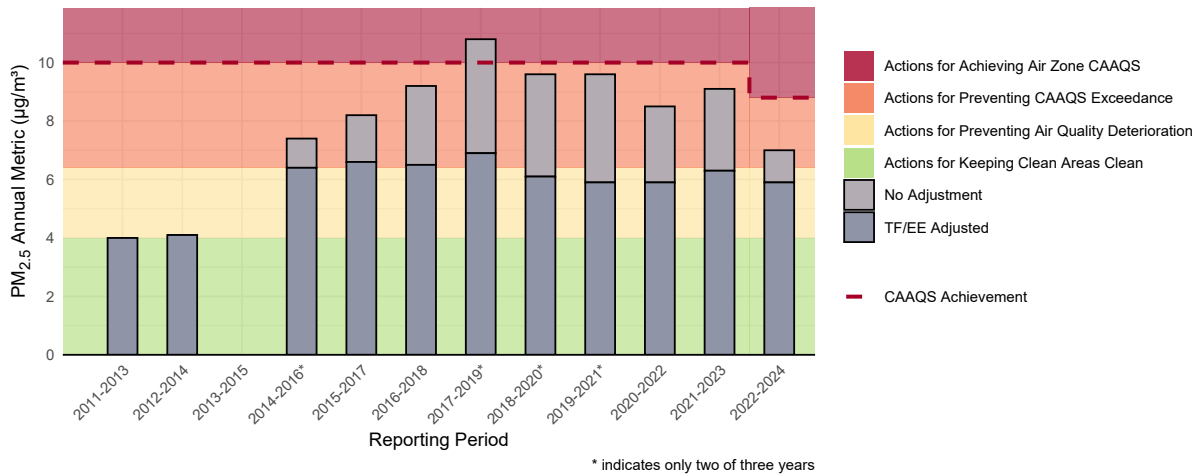


Air Zone: Southern Interior
Monitoring Station: Kelowna

PM_{2.5} 24-hour Air Quality Standard: Not Achieved
PM_{2.5} 24-hour Metric: 28 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Achieved
PM_{2.5} Annual Metric: 7 µg/m³ (3 year average)

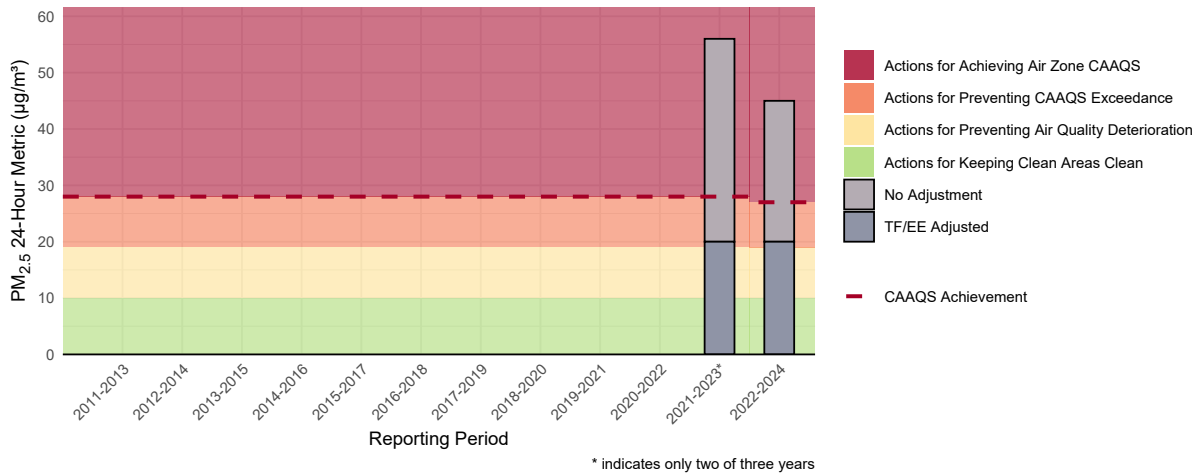


Air Zone: Southern Interior

Monitoring Station: Sparwood Centennial Square

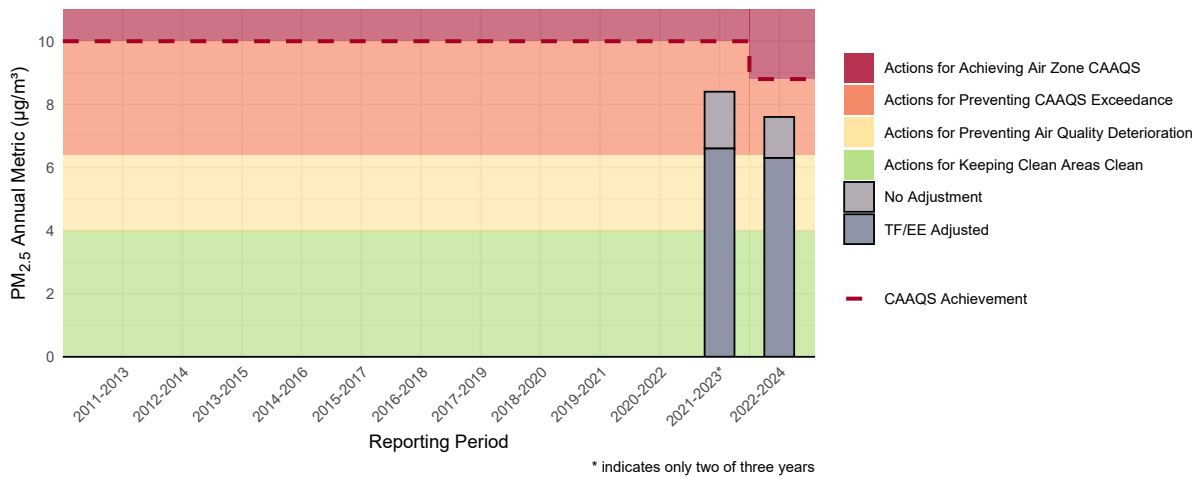
PM_{2.5} 24-hour Air Quality Standard: Not Achieved

PM_{2.5} 24-hour Metric: 45 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Achieved

PM_{2.5} Annual Metric: 7.6 µg/m³ (3 year average)

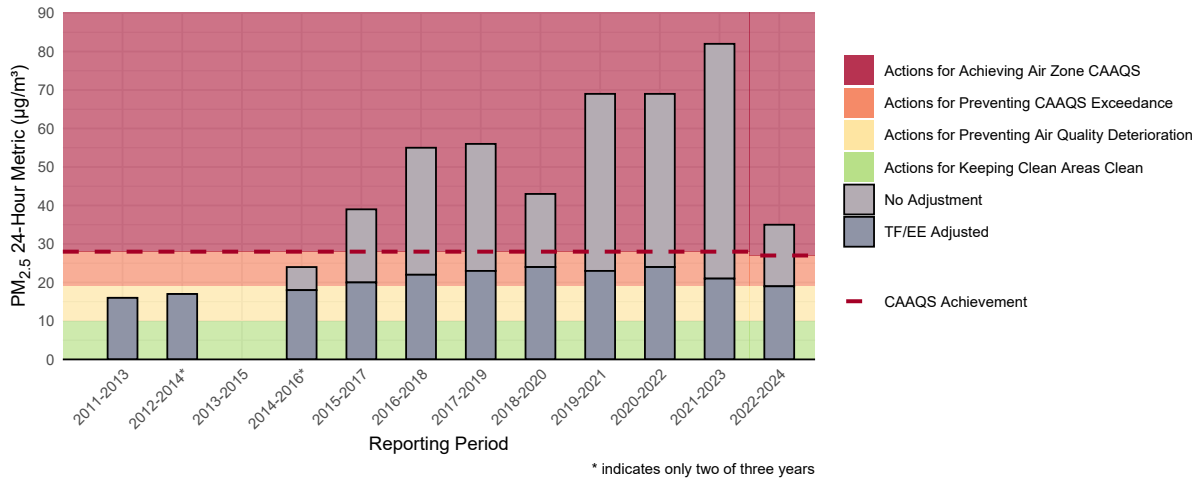


Air Zone: Southern Interior

Monitoring Station: Vernon Science Centre

PM_{2.5} 24-hour Air Quality Standard: Not Achieved

PM_{2.5} 24-hour Metric: 35 µg/m³ (3 year average)



PM_{2.5} Annual Air Quality Standard: Not Achieved

PM_{2.5} Annual Metric: 9.3 µg/m³ (3 year average)

