



Air

Status of Nitrogen Dioxide in B.C. (2019-2021)

British Columbia operates a network of air monitoring stations that measure nitrogen dioxide and other air pollutants. This indicator reports on the concentration of nitrogen dioxide from 2019-2021 and compares it to the [Canadian Ambient Air Quality Standards](#) established by the [Canadian Council of Ministers of the Environment](#).

Nitrogen Dioxide (NO₂): Canadian Ambient Air Quality Standard

NO₂ levels are calculated using **two** statistical forms called the annual and the 1-hour metrics. The Canadian Ambient Air Quality Standard value for NO₂ annual is **17 parts per billion** and the standard value for NO₂ 1-hour is **60 parts per billion**

NO₂ standards are achieved when annual levels are ≤ 17 ppb and 1-hour levels are ≤ 60 ppb.

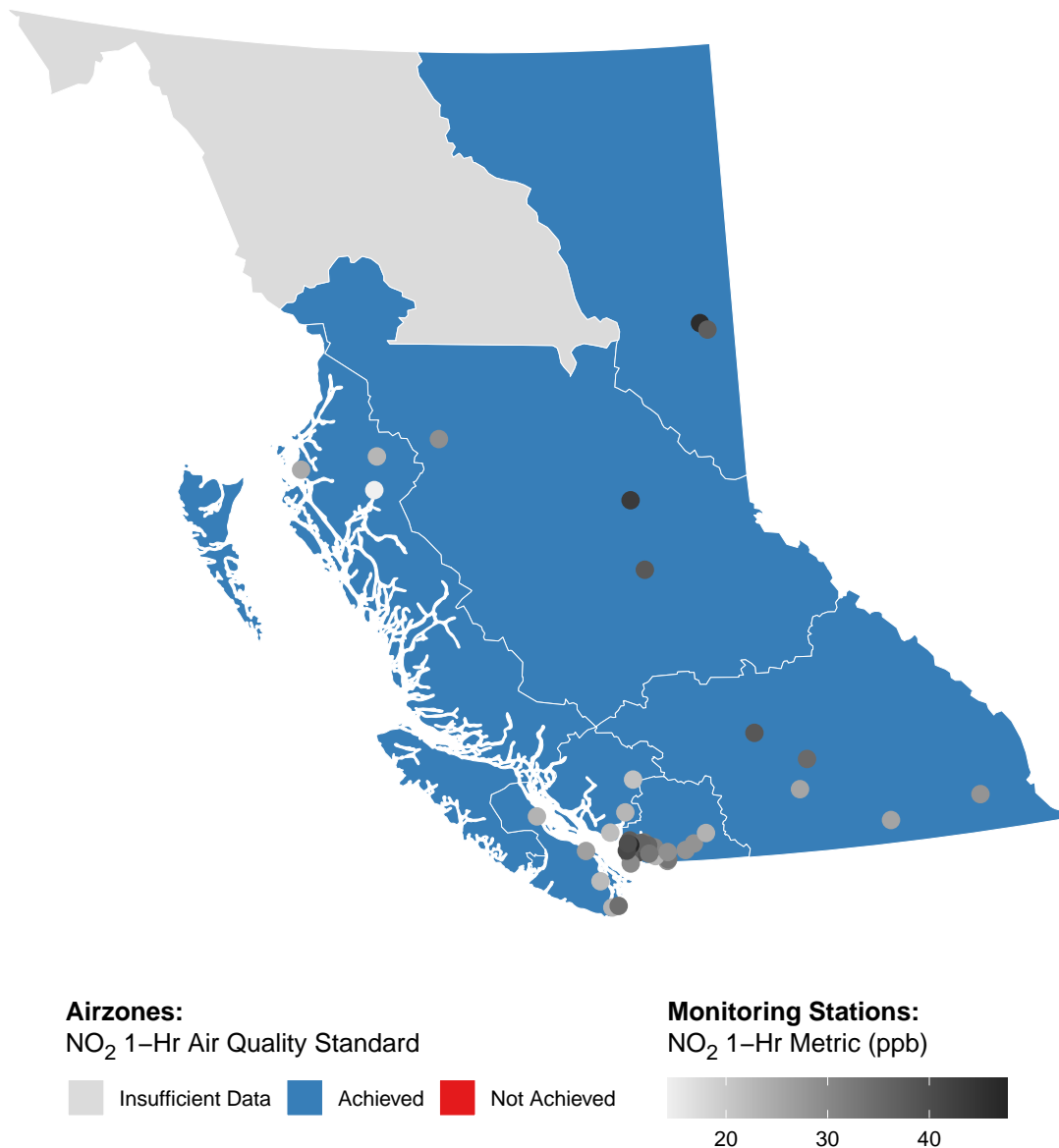
What is an Air Zone?

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

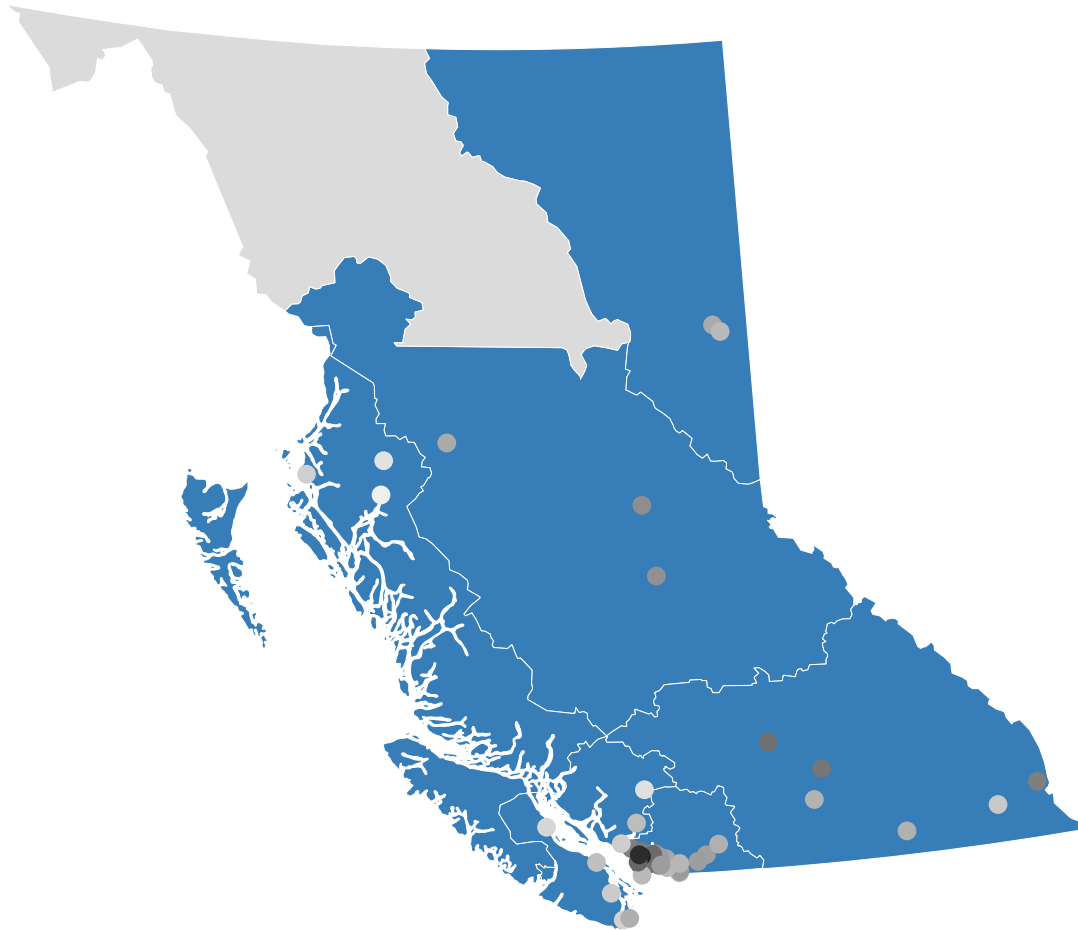
- **Nitrogen Dioxide (NO₂) is a gaseous pollutant formed along with other nitrogen oxides (NO_x) during the high temperature combustion of fossil fuels.**
- **Exposure to NO₂ is known to affect human health and the environment** Long term exposures, for example, has been shown to induce the development of allergic responses, asthma, increases the susceptibility for respiratory infections, and has been linked to cardiovascular system and reproductive effects. Short term exposures can reduce lung function and aggravate respiratory symptoms and airway inflammation. These effects have no observed lower threshold, i.e., negative effects are observed even at low concentrations.
- **Environmental effects of NO₂ (and NO_x in general) include altered plant growth due to absorption through their leaves and from nitrogen deposition.** Impact on plants can negatively affect animals like caribou that depend on arboreal lichens for sustenance. NO₂ also has indirect effects including its role in ozone formation and acid rain. Ozone is detrimental to plant life because exposure oxidizes (burns) plant tissues, and acid rain results in the acidification and eutrophication of ecosystems. Reddish-brown haze commonly found over urban centres is the result of higher concentrations of NO₂ pollution.
- **Nitrogen dioxide levels met the Canadian Ambient Air Quality Standards at 100 percent of assessed monitoring stations in B.C.** There are two standards for NO₂—an annual standard and a 1-hour standard (see sidebar). The annual standard was met at 44 of the 44 stations (100%) for which valid data was obtained, while the 1-hour standard was met at 44 of the 44 stations (100%) with sufficient data for analysis.
- **Nitrogen dioxide levels met both of the Canadian Ambient Air Quality Standards in all of B.C.'s seven air zones.** Currently, there are no [air monitoring stations](#) in the Northwest air zone.
- **Nitrogen dioxide levels 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 nitrogen dioxide levels approach the Canadian Ambient Air Quality Standards.

The maps and chart below summarise the Canadian Ambient Air Quality Standard achievement status for nitrogen dioxide in B.C. air zones, as well as both the annual and 1-hour NO₂ levels at individual monitoring stations. Summaries are given for each monitoring station where sufficient data was available for the 2019-2021 reporting period.

Status of 1-hour NO₂ Levels in B.C. Air Zones (2019-2021)



Status of Annual NO₂ Levels in B.C. Air Zones (2019-2021)



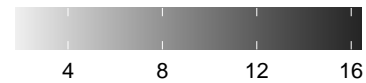
Airzones:

NO₂ Annual Air Quality Standard

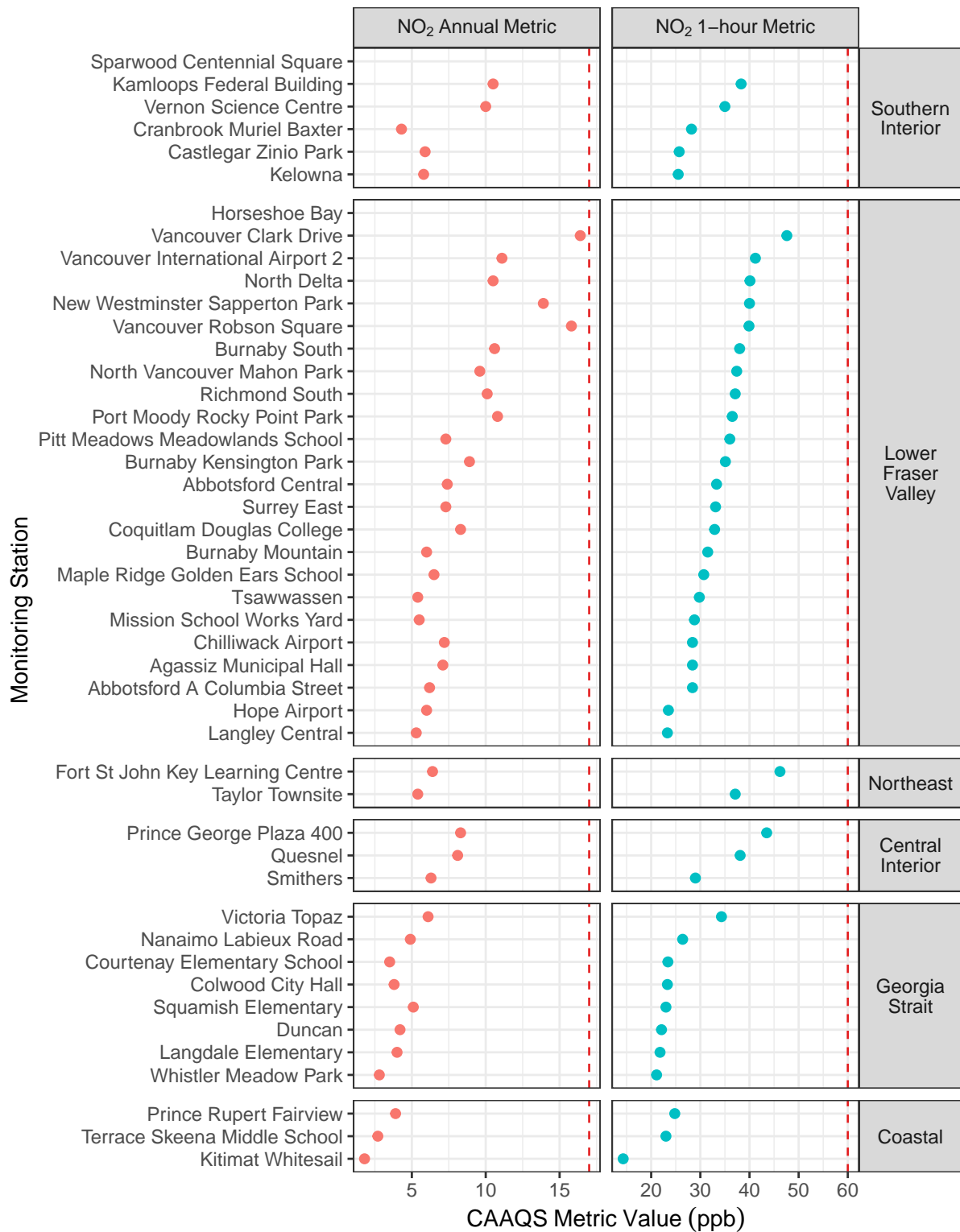
Insufficient Data Achieved Not Achieved

Monitoring Stations:

NO₂ Annual Metric (ppb)



NO₂ Metrics for Air Monitoring Stations within B.C. Air Zones (2019-2021)



More about the Canadian Ambient Air Quality Standard nitrogen dioxide metrics:

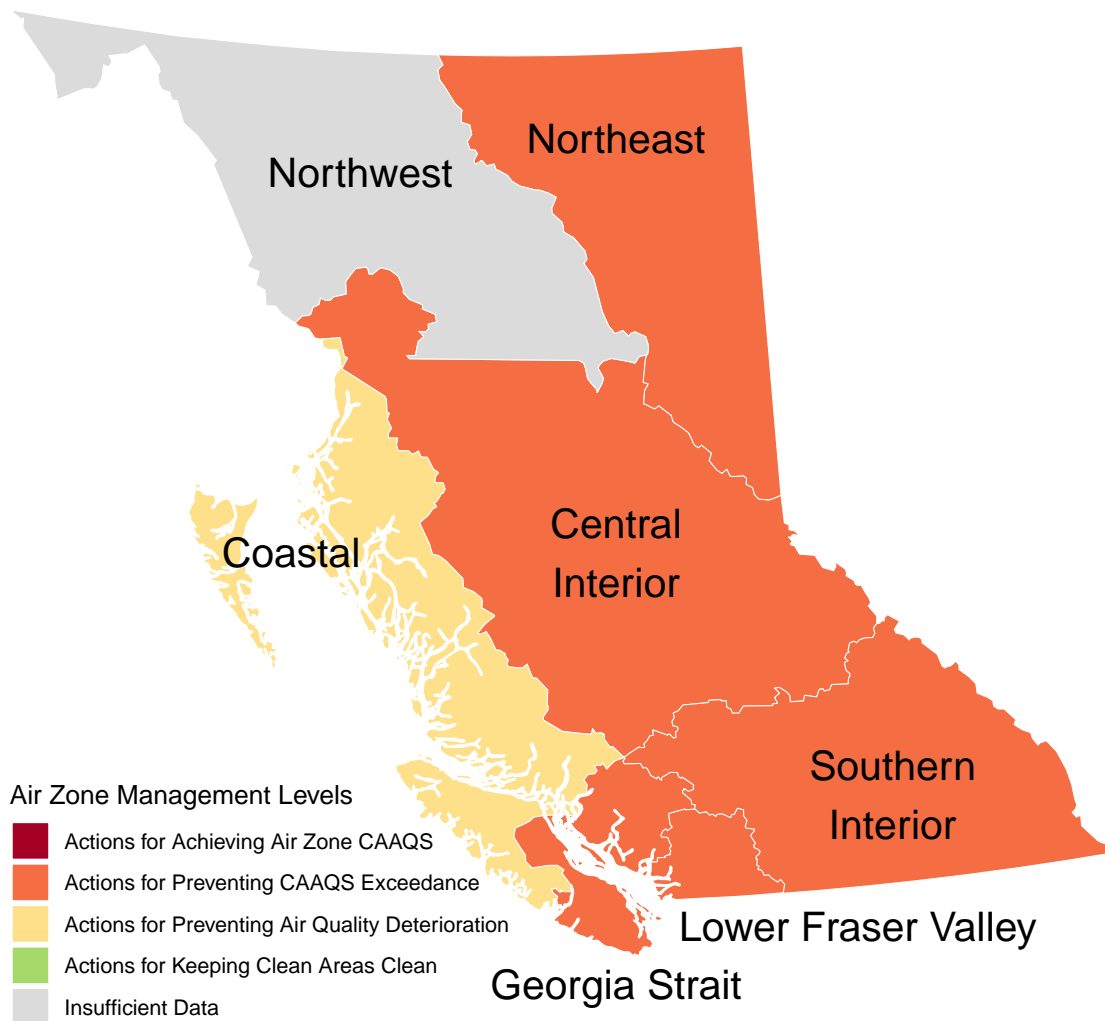
- There are two Canadian Ambient Air Quality Standards for nitrogen dioxide (NO₂). The statistical form of the NO₂ annual metric is the average over a single calendar year of all 1-hour average concentrations of NO₂. The statistical form of the NO₂ 1-hour metric is the 3-year average of the annual 98th percentile of the daily maximum 1-hr average concentrations of NO₂.
- The NO₂ metric for an air zone is the highest NO₂ metric value reported from monitoring stations within the air zone. Air zone metric values are only taken from stations reporting on two years of data when there are no available three-year reporting stations in the air zone.
- Only air monitoring stations with sufficient data on nitrogen dioxide concentrations for the 2019-2021 reporting period were included in this indicator. Visit [Current Air Quality Data](#) for a complete list of air monitoring stations across B.C.
- Data completeness and sufficiency criteria for the two NO₂ 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

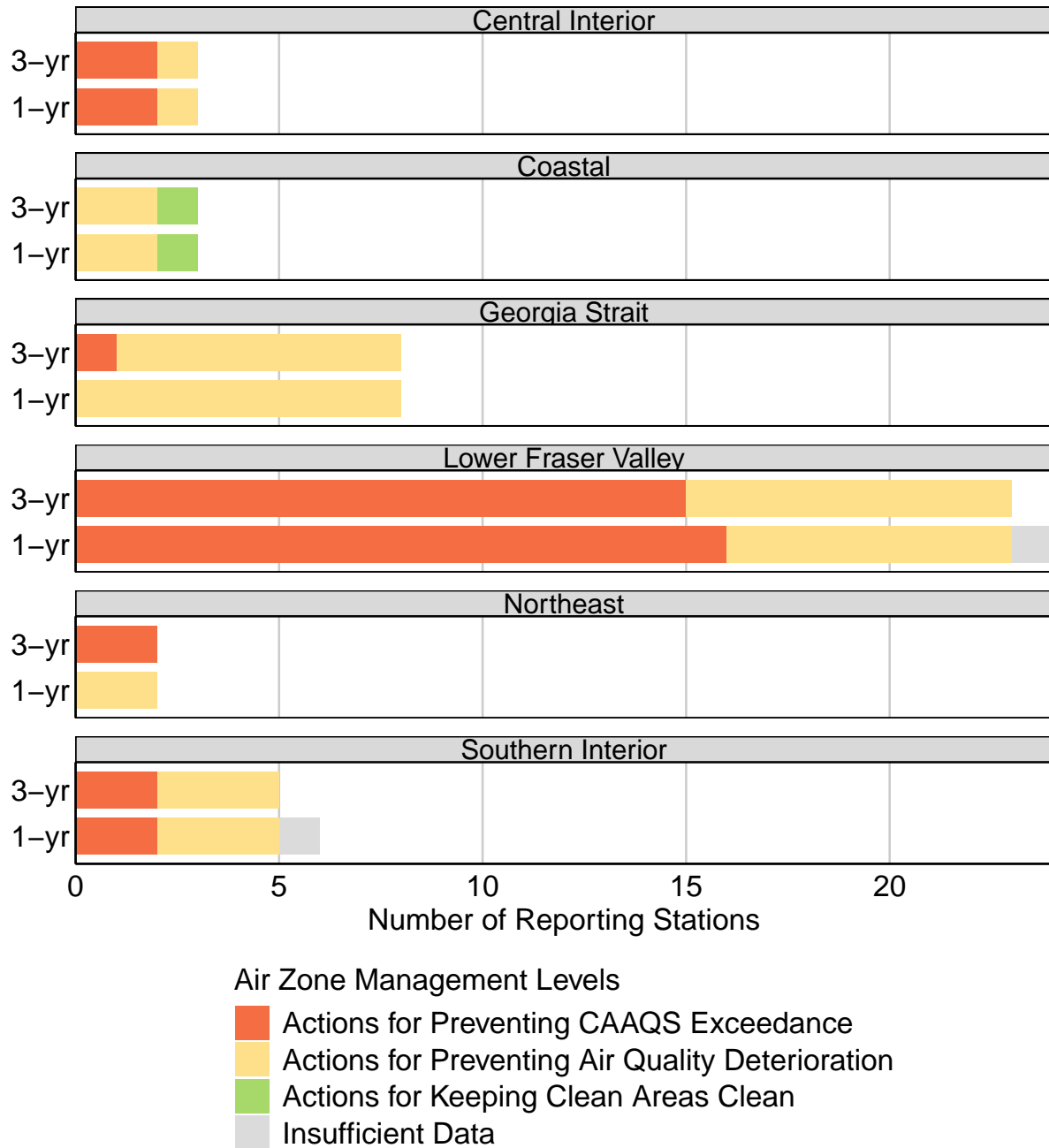
The Air Quality Management System is Canada's approach for protecting air quality. Under the Air Quality Management System, provinces and territories monitor, report and manage local air quality within air zones, with the goal of continuously improving air quality and keeping pollutants below the Canadian 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 nitrogen dioxide based on the higher of the annual and 1-hour nitrogen dioxide levels reported from monitoring stations within the air zone.
- 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 Canadian Ambient Air Quality Standard exceedance); and (4) red (actions for achieving air zone Canadian Ambient Air Quality Standard). Each management level is associated with a suite of actions that become more rigorous as nitrogen dioxide levels approach the standard. Actions for each management level are detailed in the [Guidance Document on Air Zone Management \(2019\) \(PDF\)](#).
- The Lower Fraser Valley air zone was assigned to a red management level; the Central Interior, Georgia Strait, Northeast, and Southern Interior air zones were assigned to an orange management level; and the Coastal air zone was 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



Station-Level Air Quality Management Levels Within Air Zones



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.

- Wildfires are generally the largest contributor to transboundary flows and exceptional events in B.C. Over the 2019-2021 reporting period, stations had one or more days during the wildfire season (May-October) where the daily nitrogen dioxide concentration was determined to be influenced by smoke from wildfires and exceeded the 1-hour standard of 60 ppb. The majority of wildfire influences occurred in 2018 and 2020. Those daily concentrations were removed from the calculations of management levels, resulting in a change from red to orange for the Central Interior and Georgia Strait air zones; from red to yellow for the Northeast air zone.

Methods

The methods used to develop this indicator—including procedures, data requirements, and calculation of the Canadian Ambient Air Quality Standard nitrogen dioxide 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

- Read individual [Air Zone reports](#) on the achievement of the Canadian Ambient Air Quality Standards for ground-level ozone and fine particulate matter in B.C.
- [Learn more about the implementation of the Air Quality Management System in British Columbia](#)
- [Access B.C.'s real-time data on air pollutants and find locations of all provincial air monitoring stations in B.C.](#)
- [BC Lung Association's BC State of the Air Reports](#)
- [Canadian Environmental Sustainability Indicators: Air Indicators](#)
- ¹[Canadian Smog Science Assessment: Highlights and Key Messages](#)

Data

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

- [Indicator data: BC Nitrogen Dioxide Canadian Ambient Air Quality Standards 2019-2021](#) (Open Government Licence - British Columbia)
- [BC NO₂ 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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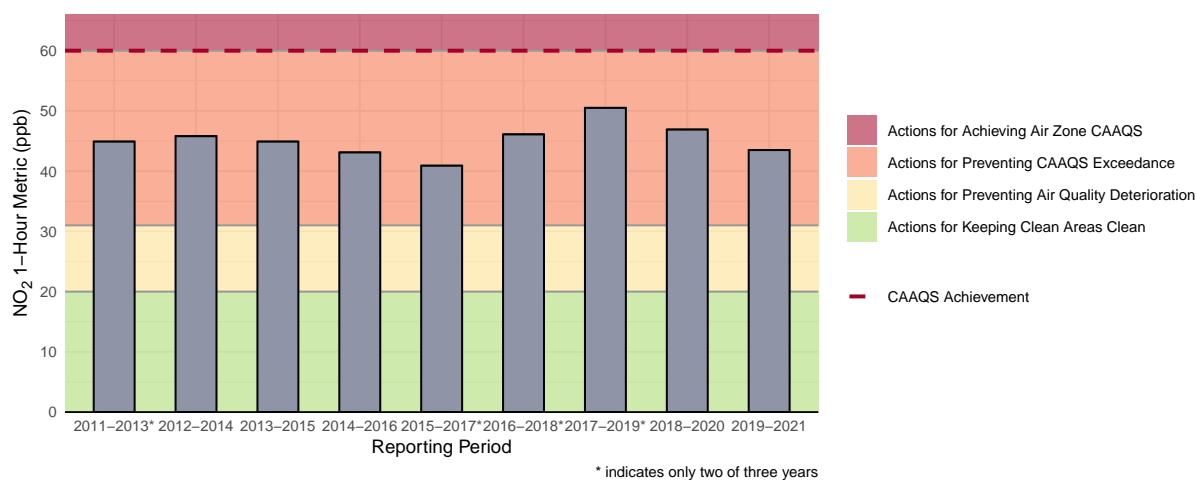
Appendix: Detailed nitrogen dioxide Canadian Ambient Air Quality Standard results for each monitoring station within air zones in B.C.

Air Zone: Central Interior

Monitoring Station: Prince George Plaza 400

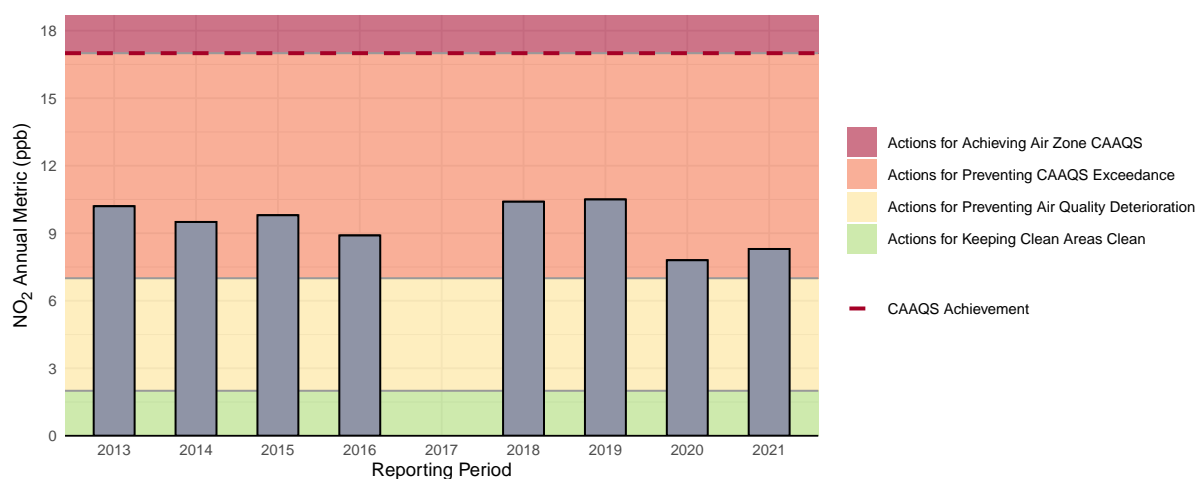
NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 43.5ppb (3 year average)



NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 8.3ppb (1 year average)

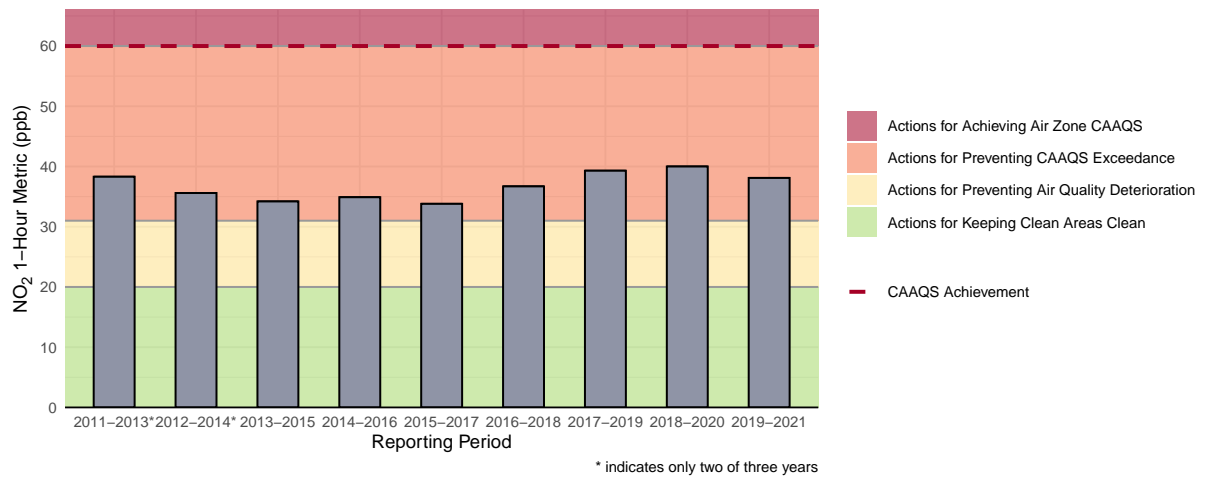


Air Zone: Central Interior

Monitoring Station: Quesnel

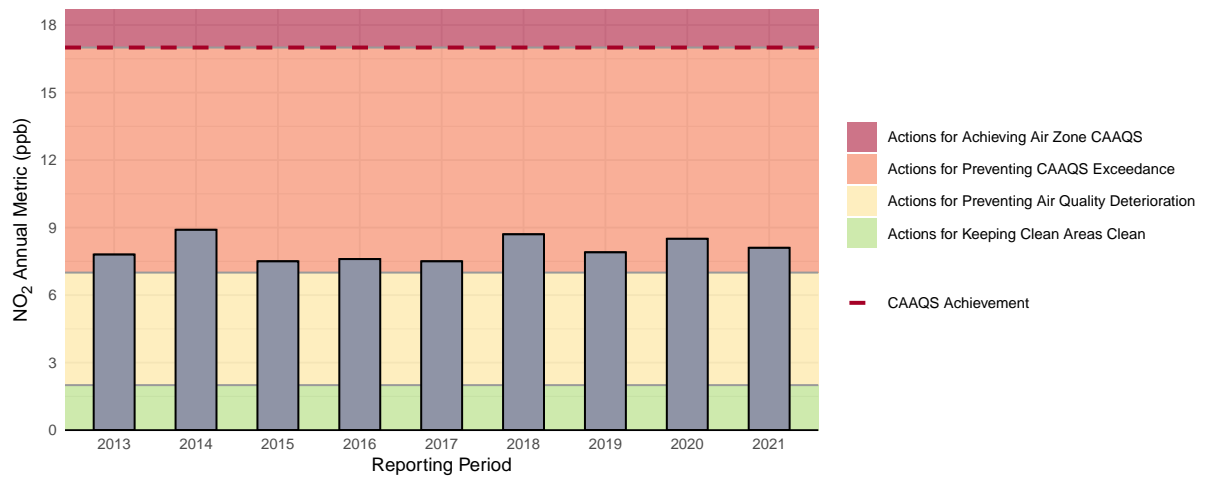
NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 38.1ppb (3 year average)



NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 8.1ppb (1 year average)

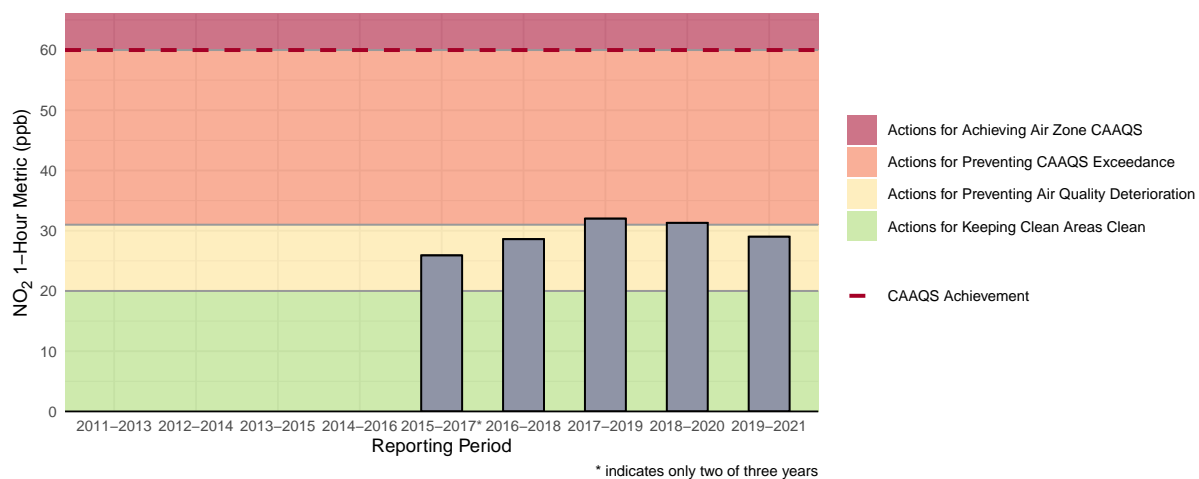


Air Zone: Central Interior

Monitoring Station: Smithers

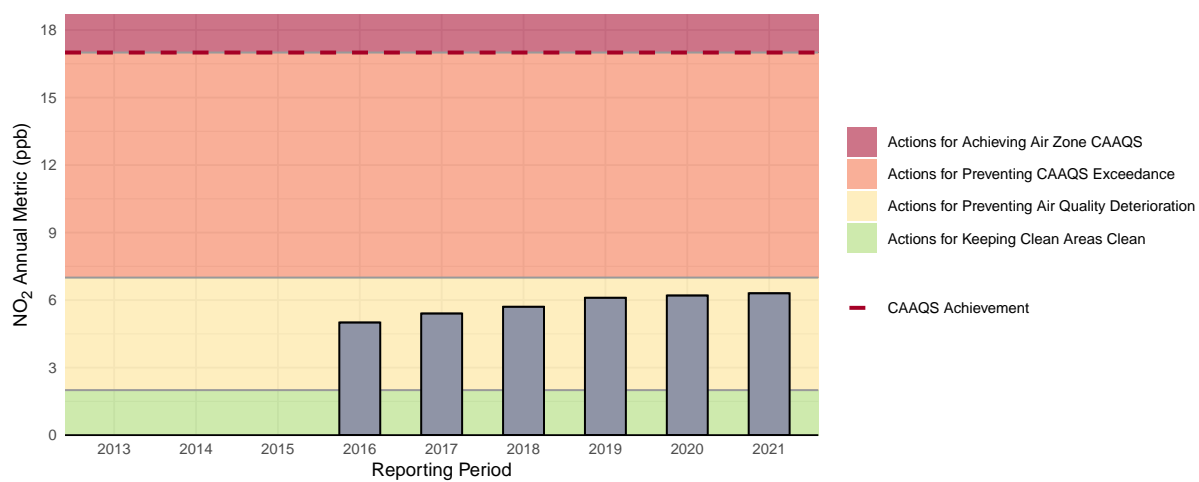
NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 29ppb (3 year average)



NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 6.3ppb (1 year average)

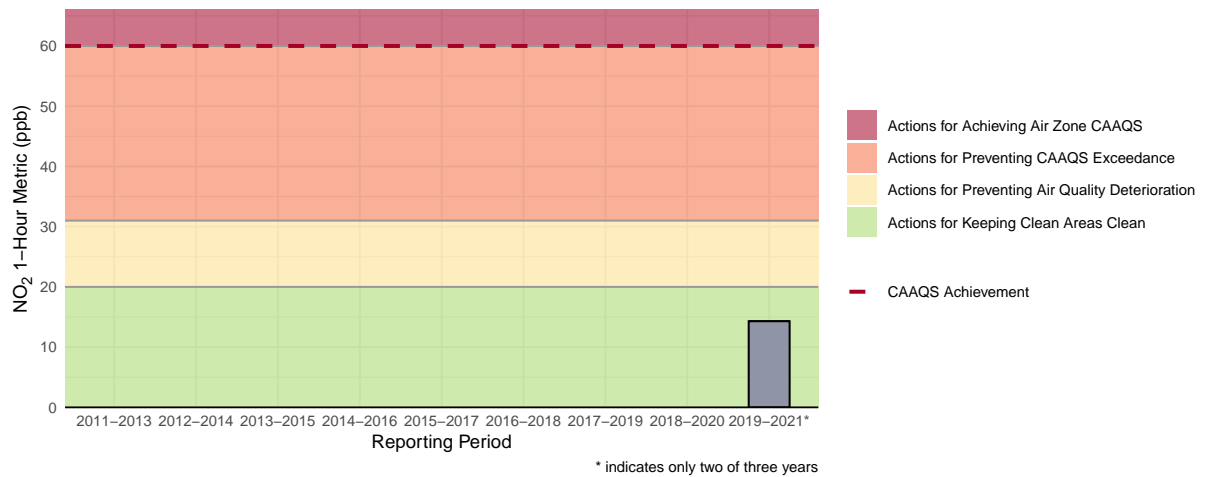


Air Zone: Coastal

Monitoring Station: Kitimat Whitesail

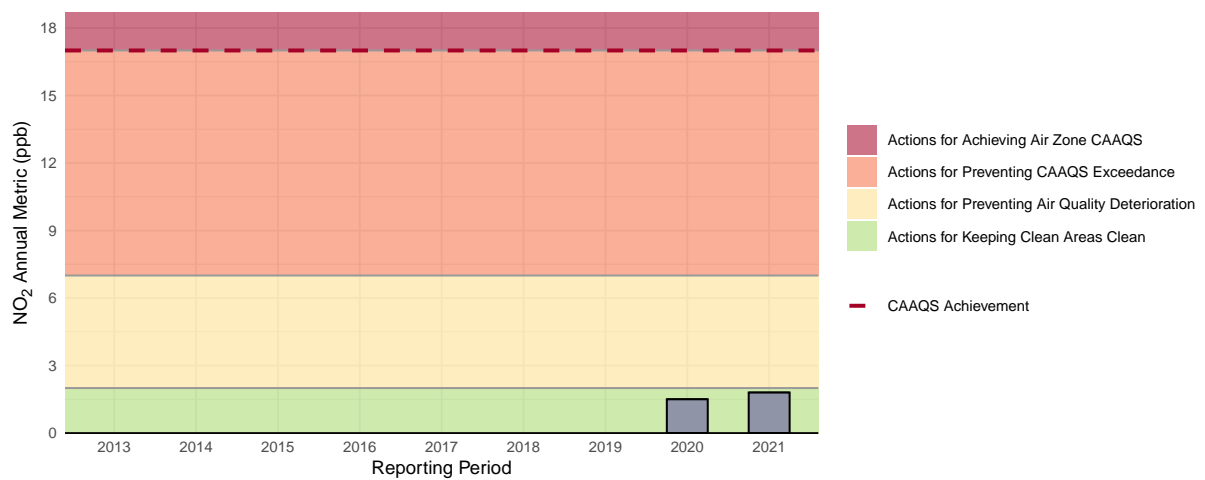
NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 14.3ppb (2 year average)



NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 1.8ppb (1 year average)

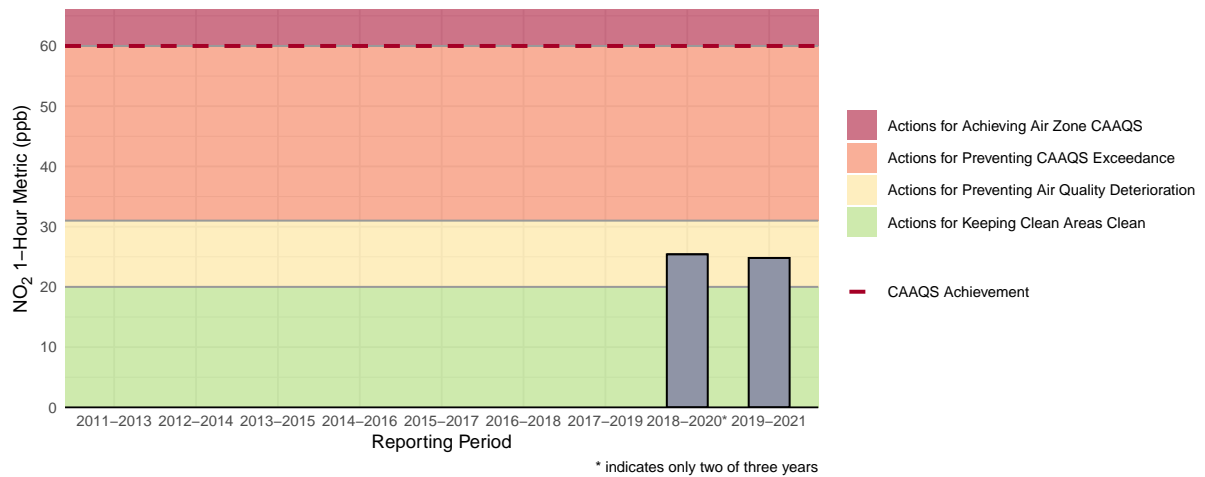


Air Zone: Coastal

Monitoring Station: Prince Rupert Fairview

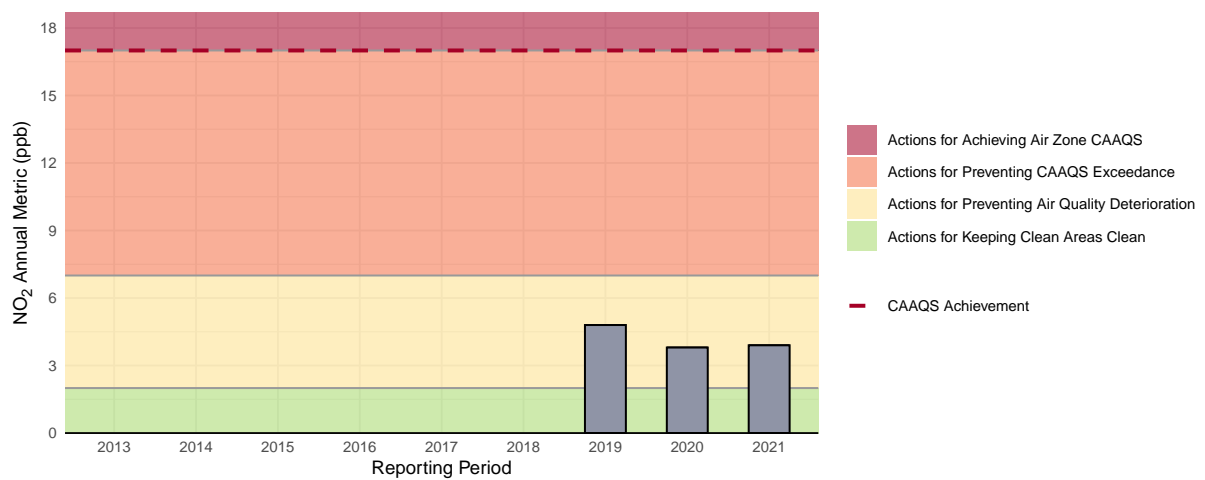
NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 24.8ppb (3 year average)



NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 3.9ppb (1 year average)

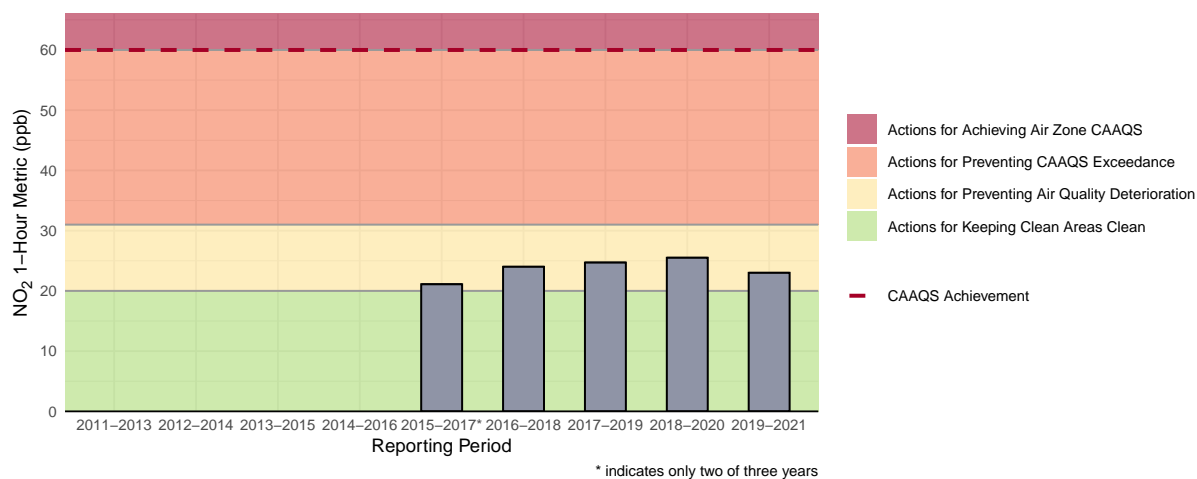


Air Zone: Coastal

Monitoring Station: Terrace Skeena Middle School

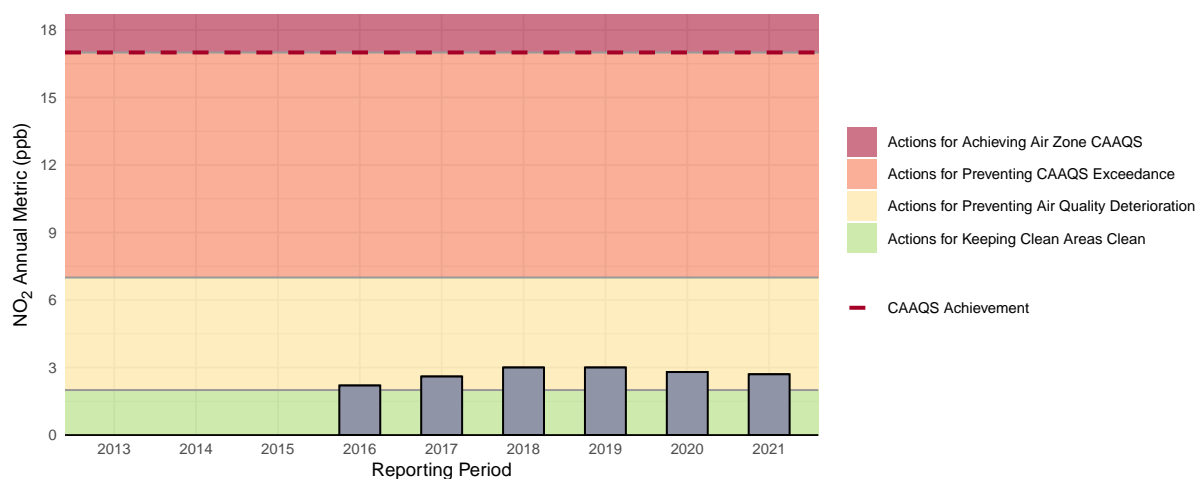
NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 23ppb (3 year average)



NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 2.7ppb (1 year average)

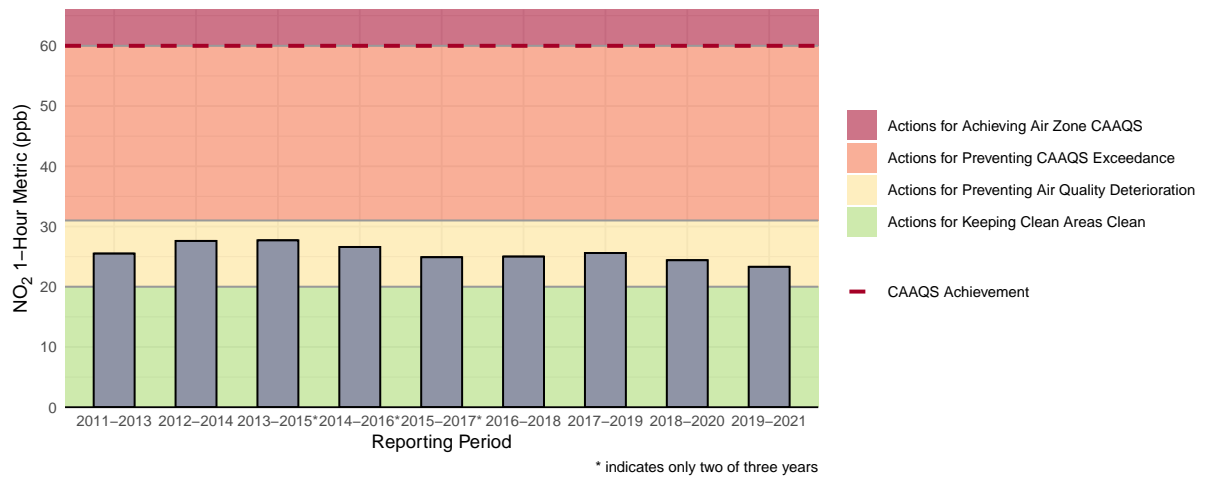


Air Zone: Georgia Strait

Monitoring Station: Colwood City Hall

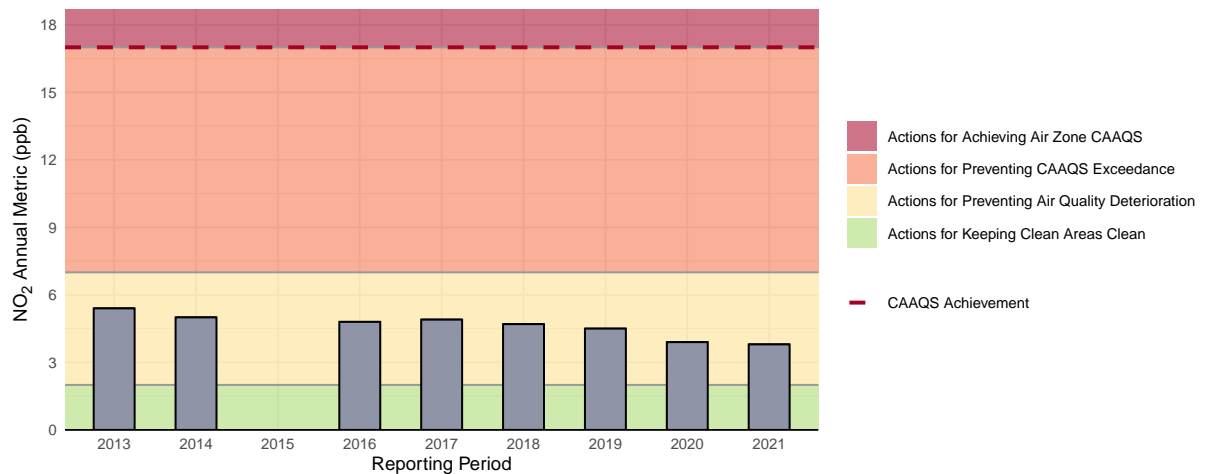
NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 23.3ppb (3 year average)



NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 3.8ppb (1 year average)

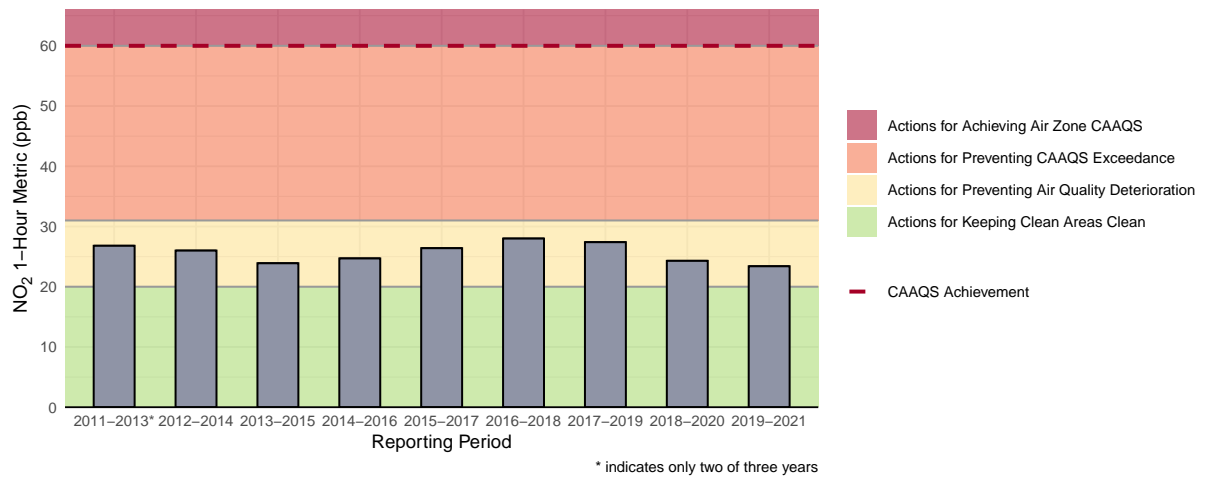


Air Zone: Georgia Strait

Monitoring Station: Courtenay Elementary School

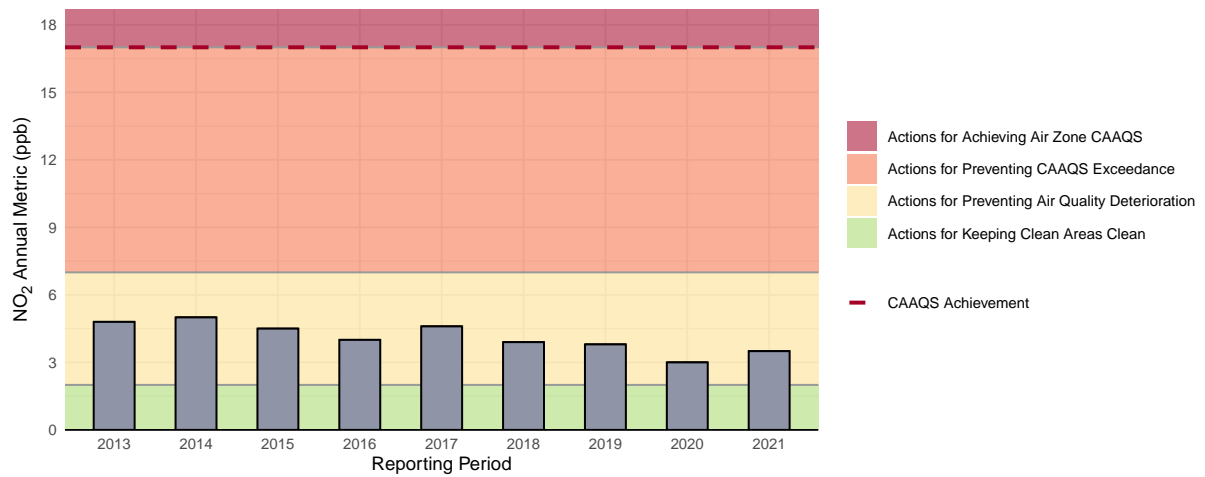
NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 23.4ppb (3 year average)



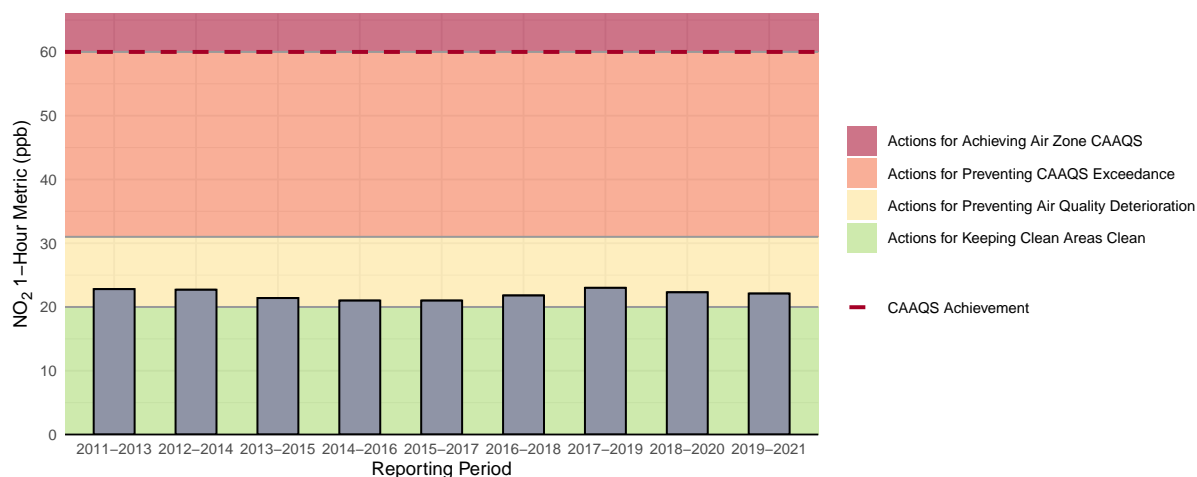
NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 3.5ppb (1 year average)

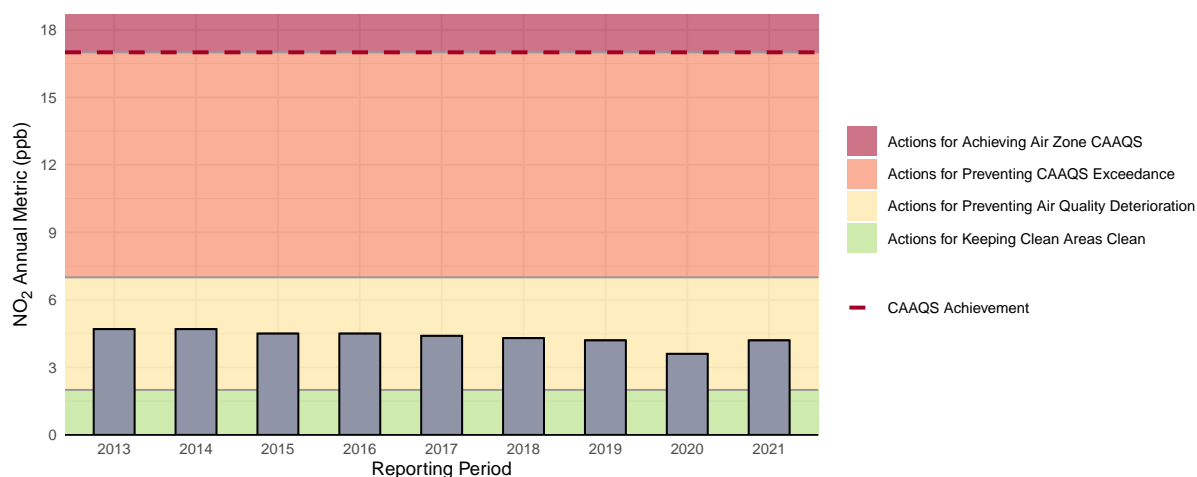


Air Zone: Georgia Strait
Monitoring Station: Duncan

NO₂ 1-hour Air Quality Standard: Achieved
NO₂ 1-hour Metric: 22.1ppb (3 year average)



NO₂ Annual Air Quality Standard: Achieved
NO₂ Annual Metric: 4.2ppb (1 year average)

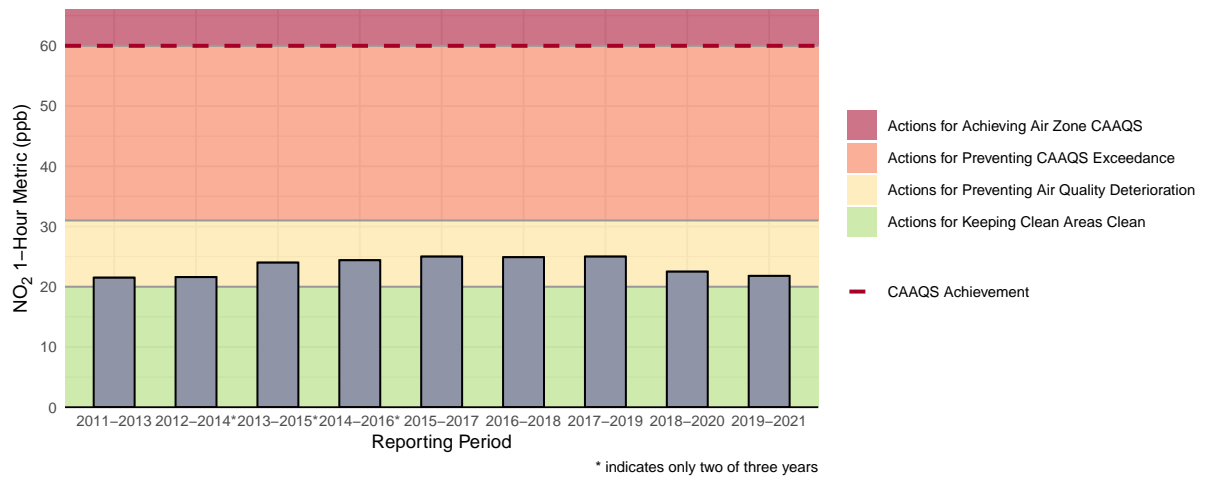


Air Zone: Georgia Strait

Monitoring Station: Langdale Elementary

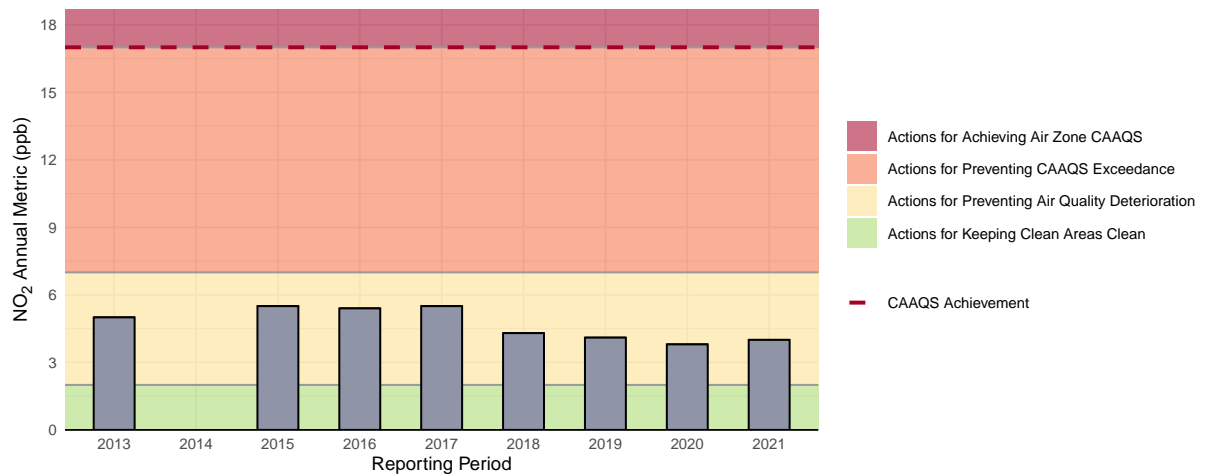
NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 21.8ppb (3 year average)



NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 4ppb (1 year average)

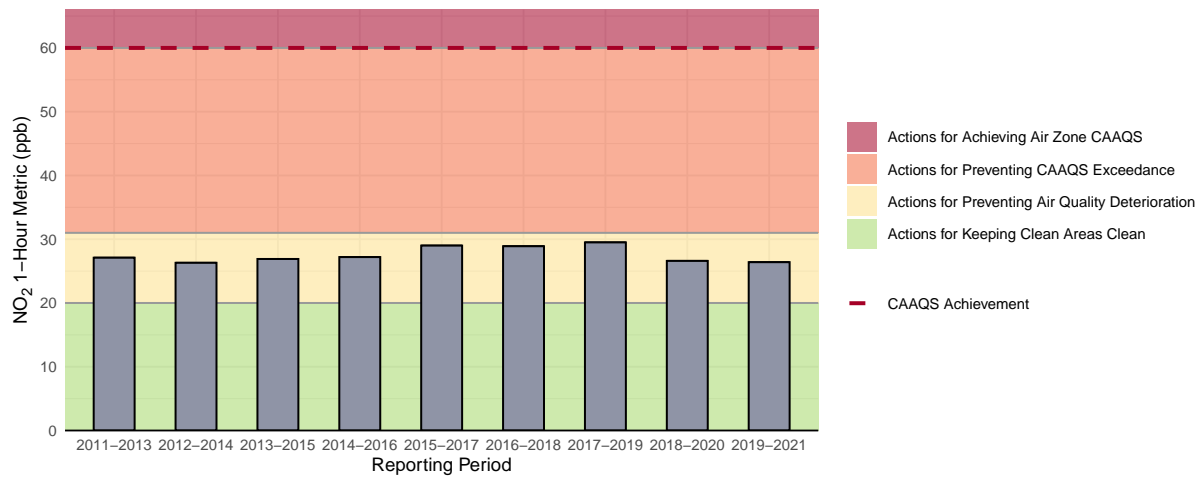


Air Zone: Georgia Strait

Monitoring Station: Nanaimo Labieux Road

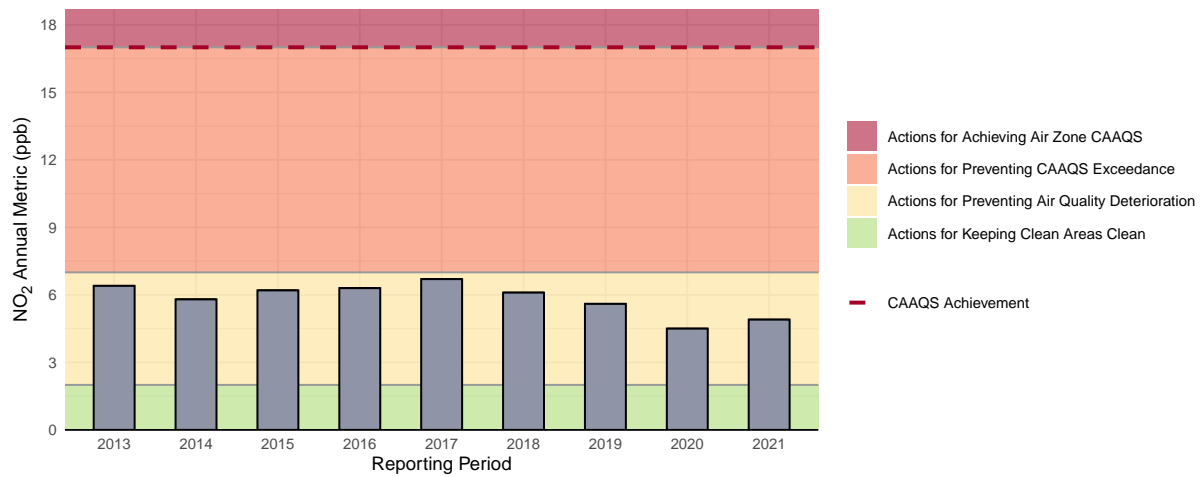
NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 26.4ppb (3 year average)



NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 4.9ppb (1 year average)

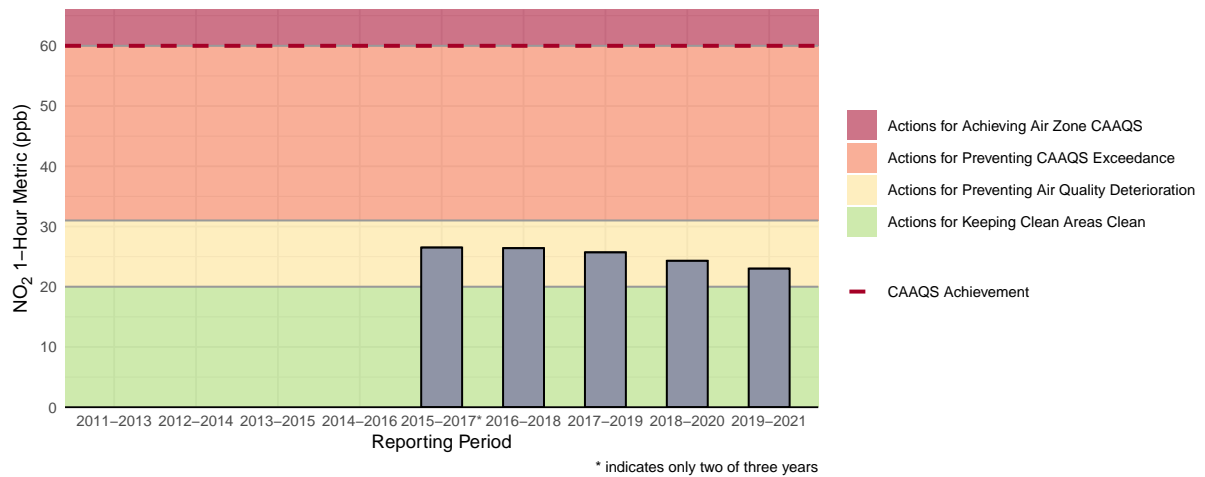


Air Zone: Georgia Strait

Monitoring Station: Squamish Elementary

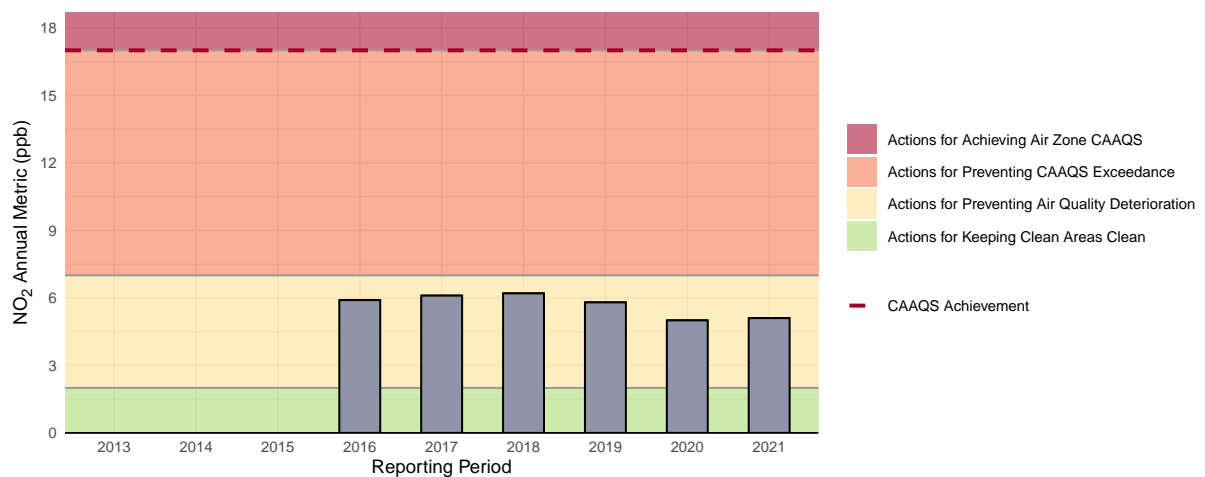
NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 23ppb (3 year average)



NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 5.1ppb (1 year average)

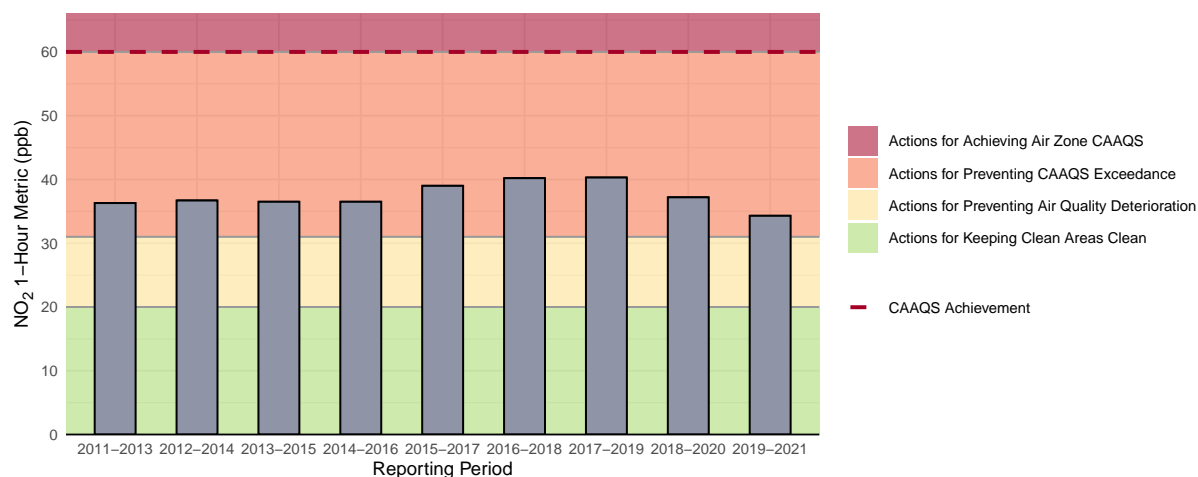


Air Zone: Georgia Strait

Monitoring Station: Victoria Topaz

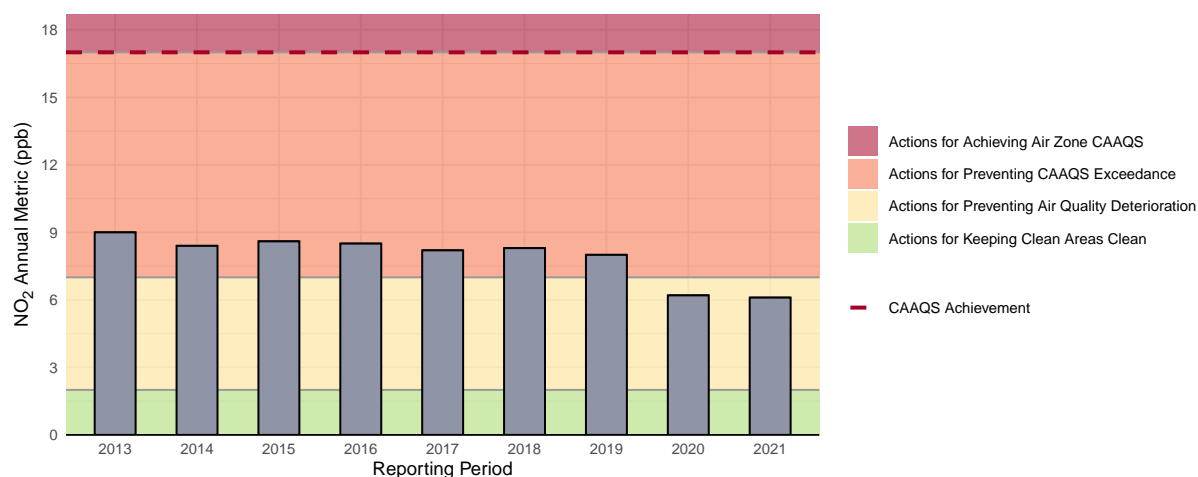
NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 34.3ppb (3 year average)



NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 6.1ppb (1 year average)

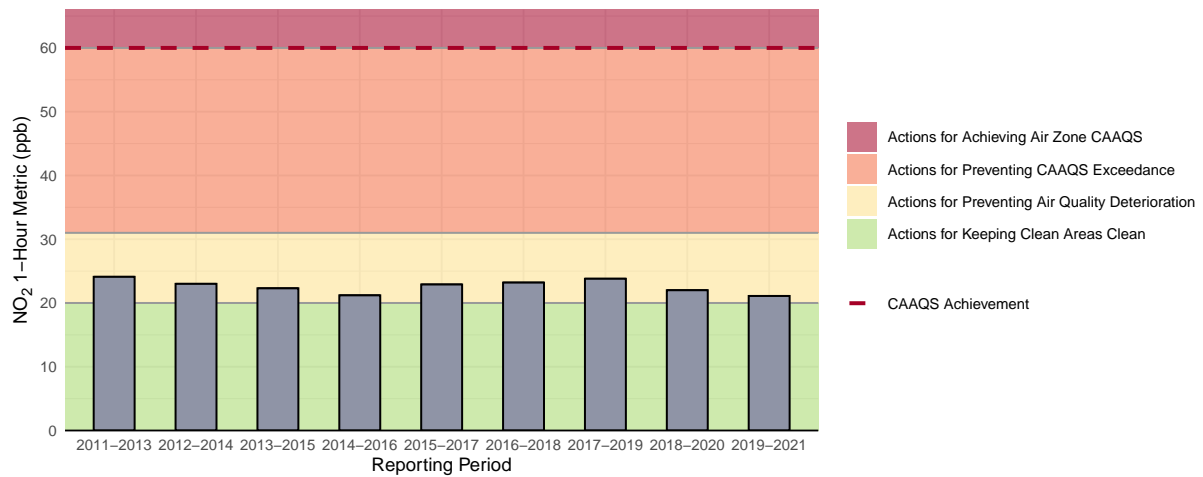


Air Zone: Georgia Strait

Monitoring Station: Whistler Meadow Park

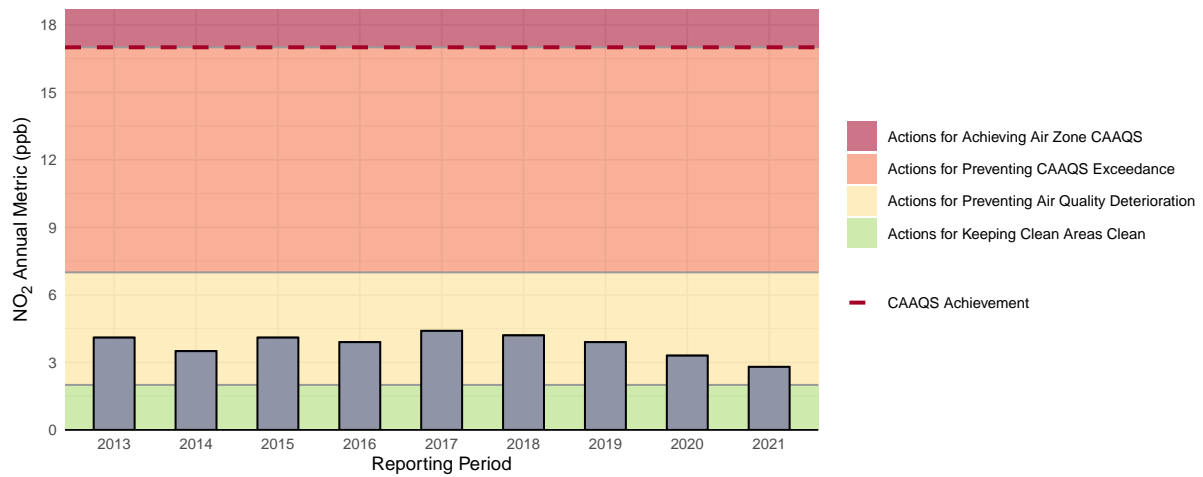
NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 21.1ppb (3 year average)



NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 2.8ppb (1 year average)

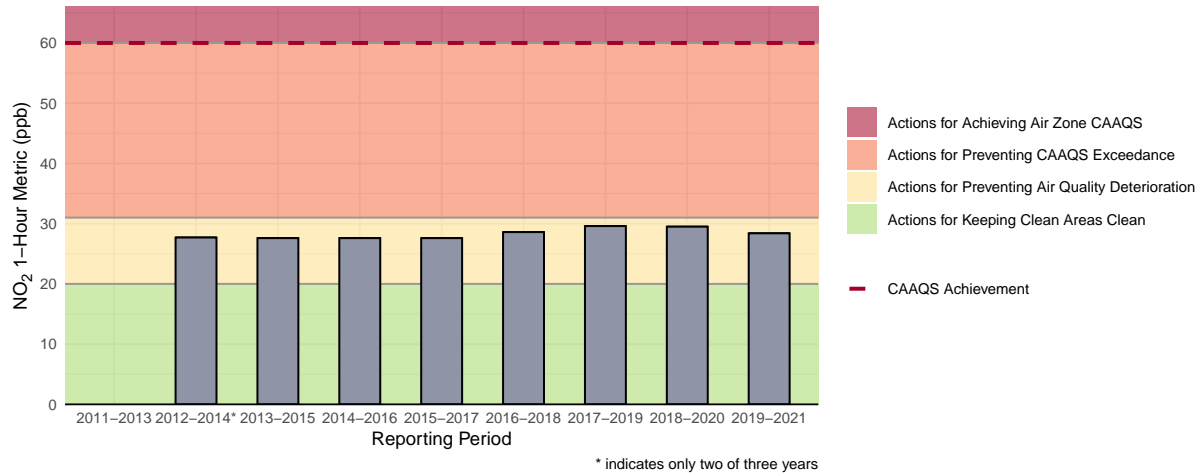


Air Zone: Lower Fraser Valley

Monitoring Station: Abbotsford A Columbia Street

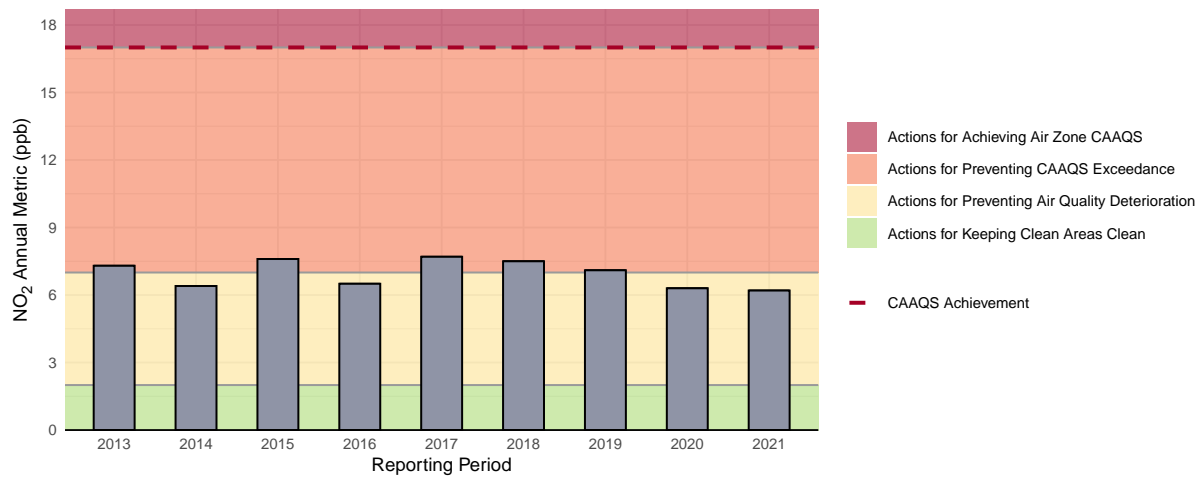
NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 28.4ppb (3 year average)



NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 6.2ppb (1 year average)

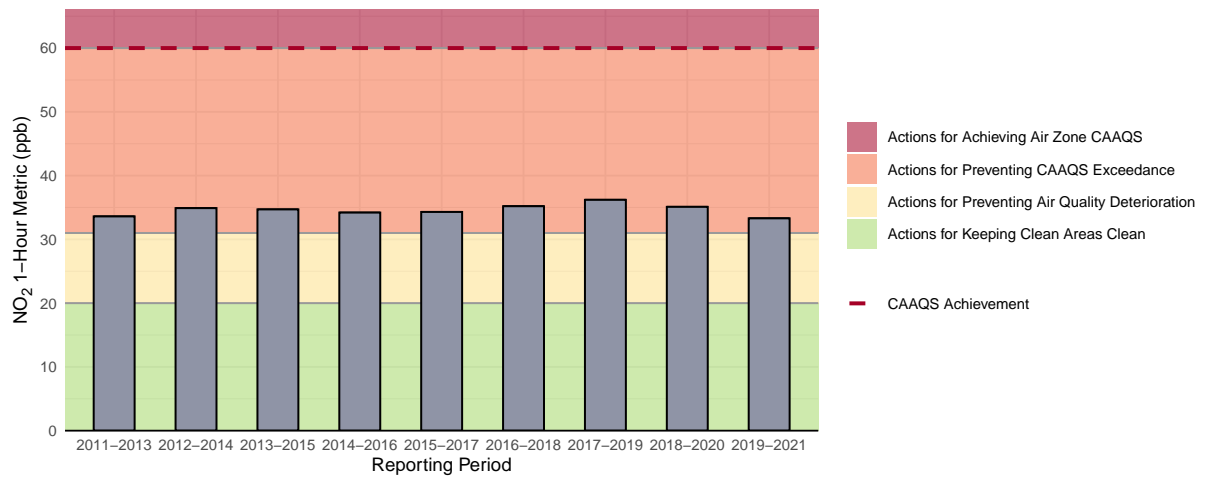


Air Zone: Lower Fraser Valley

Monitoring Station: Abbotsford Central

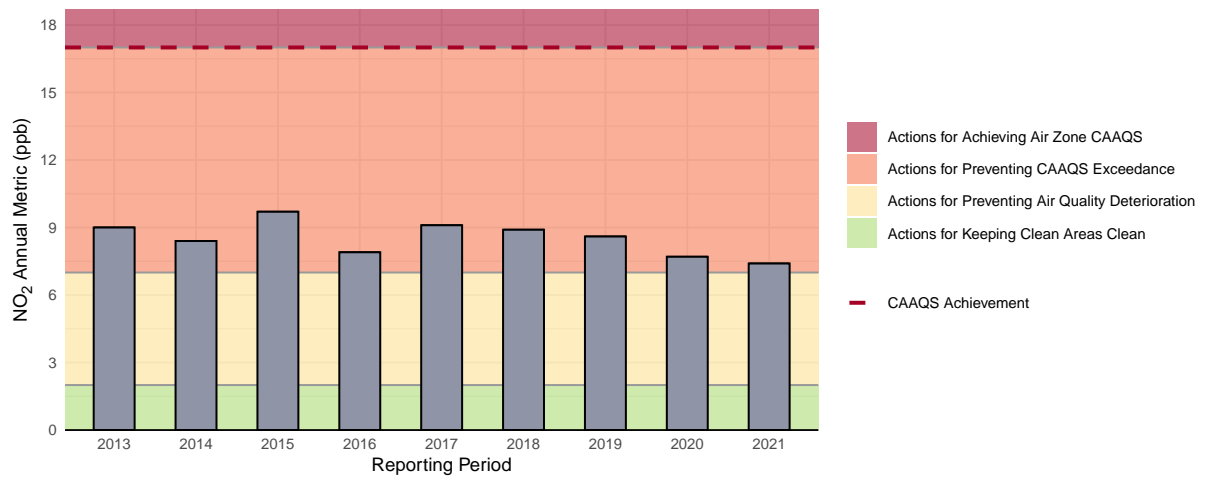
NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 33.3ppb (3 year average)



NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 7.4ppb (1 year average)

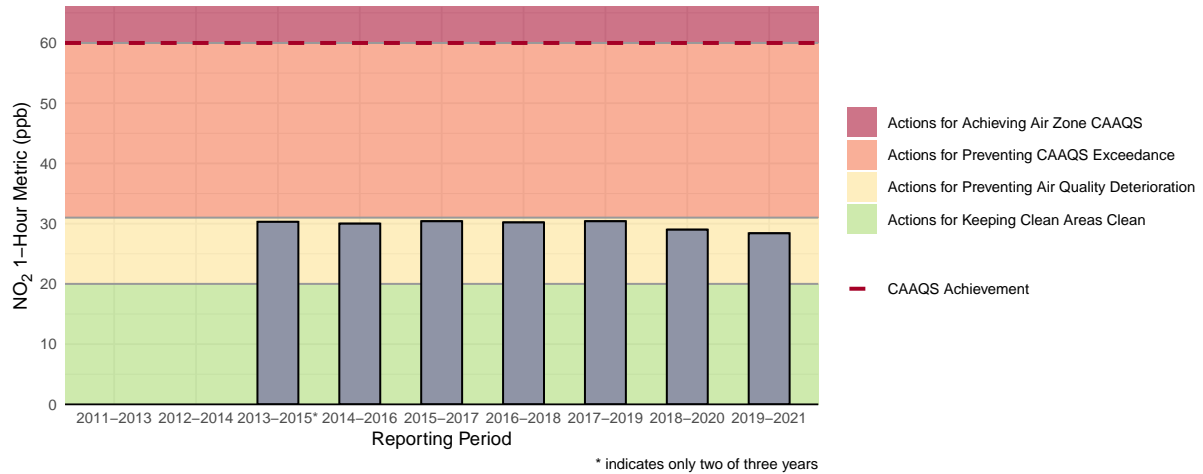


Air Zone: Lower Fraser Valley

Monitoring Station: Agassiz Municipal Hall

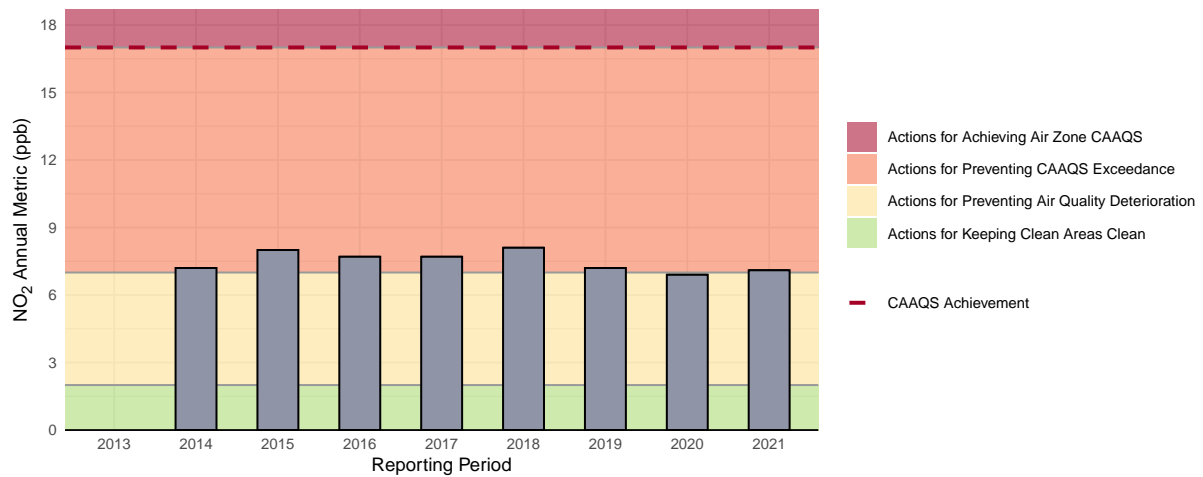
NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 28.4ppb (3 year average)



NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 7.1ppb (1 year average)

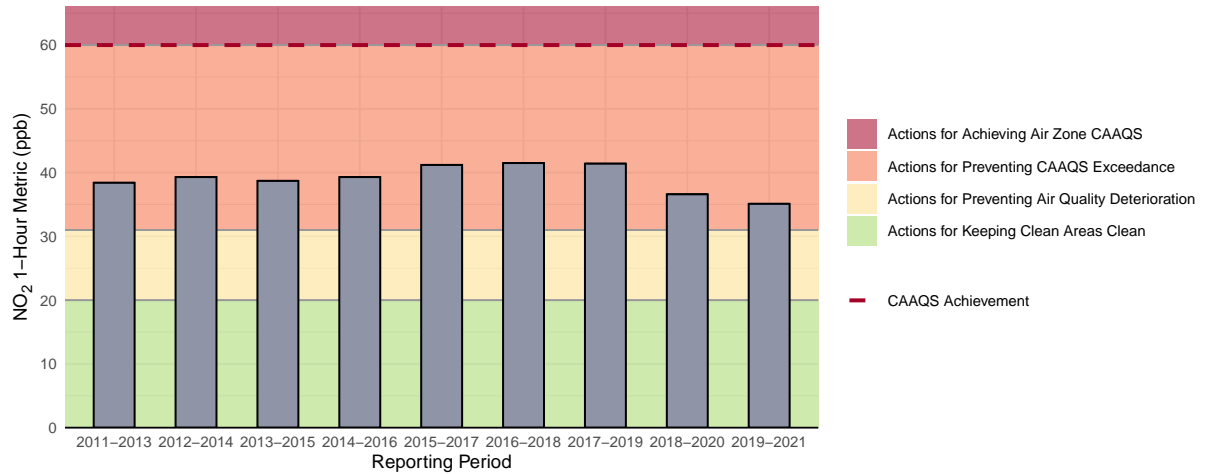


Air Zone: Lower Fraser Valley

Monitoring Station: Burnaby Kensington Park

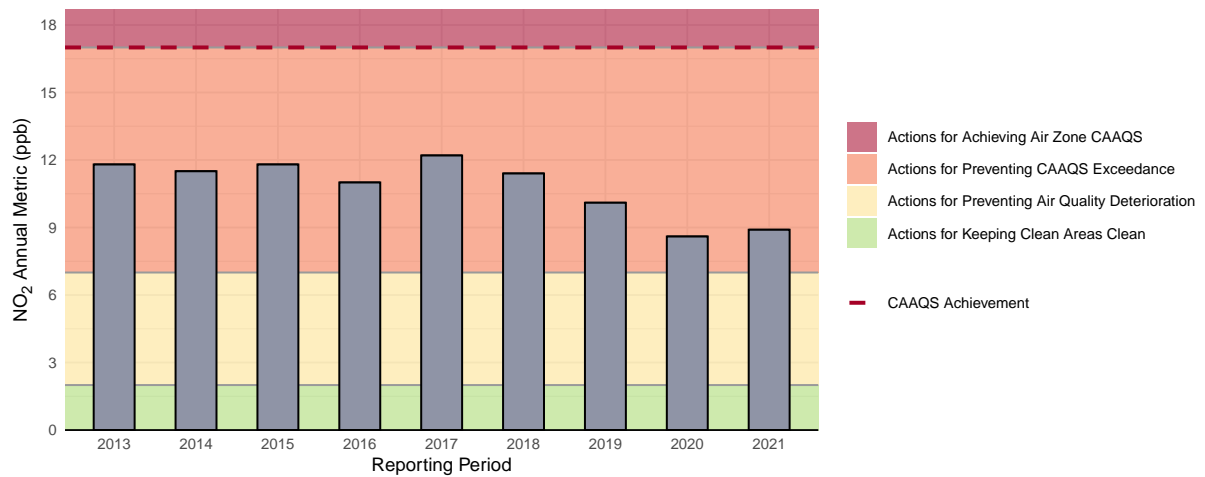
NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 35.1ppb (3 year average)



NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 8.9ppb (1 year average)

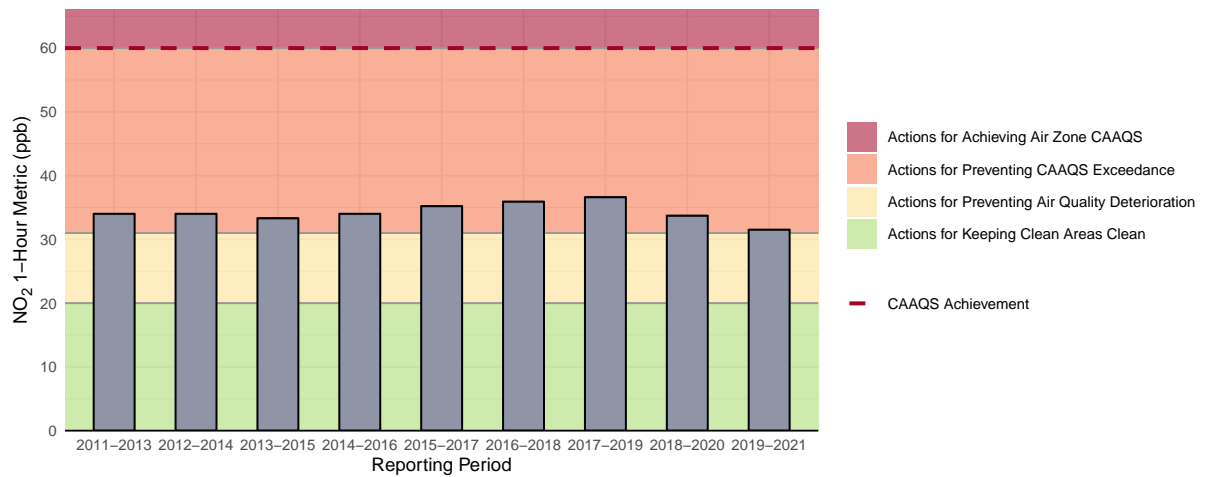


Air Zone: Lower Fraser Valley

Monitoring Station: Burnaby Mountain

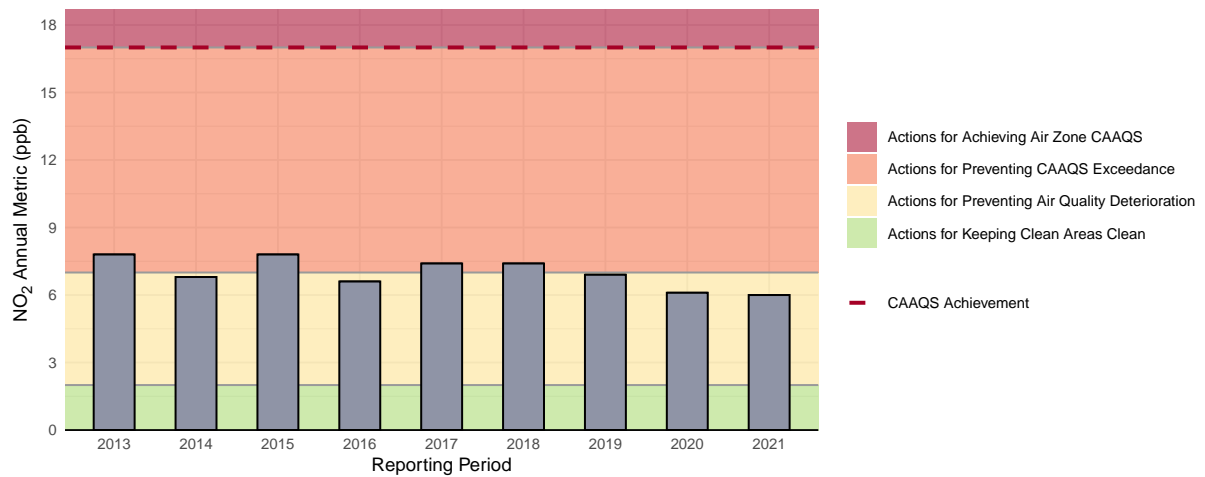
NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 31.5ppb (3 year average)



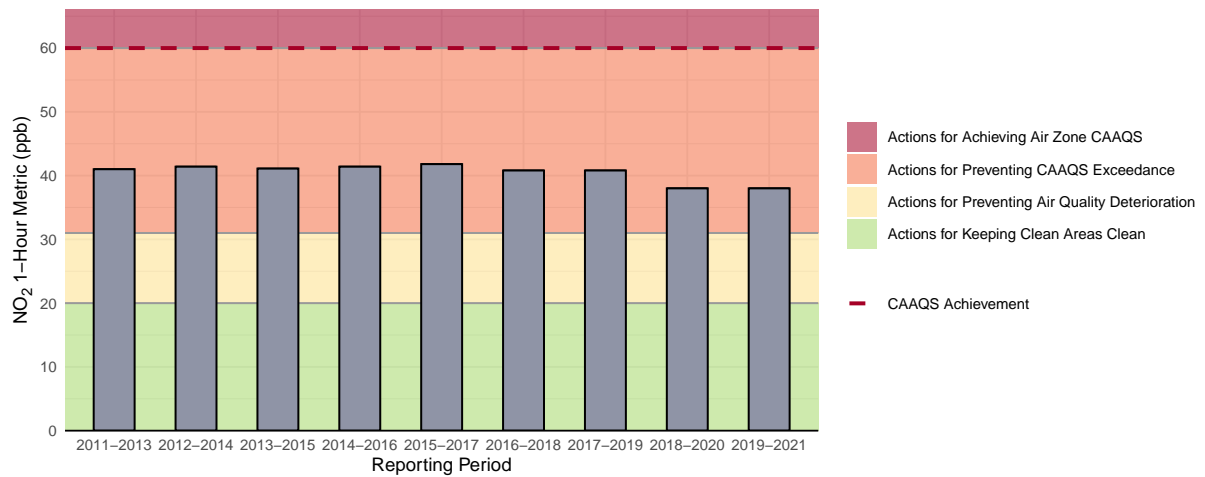
NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 6ppb (1 year average)

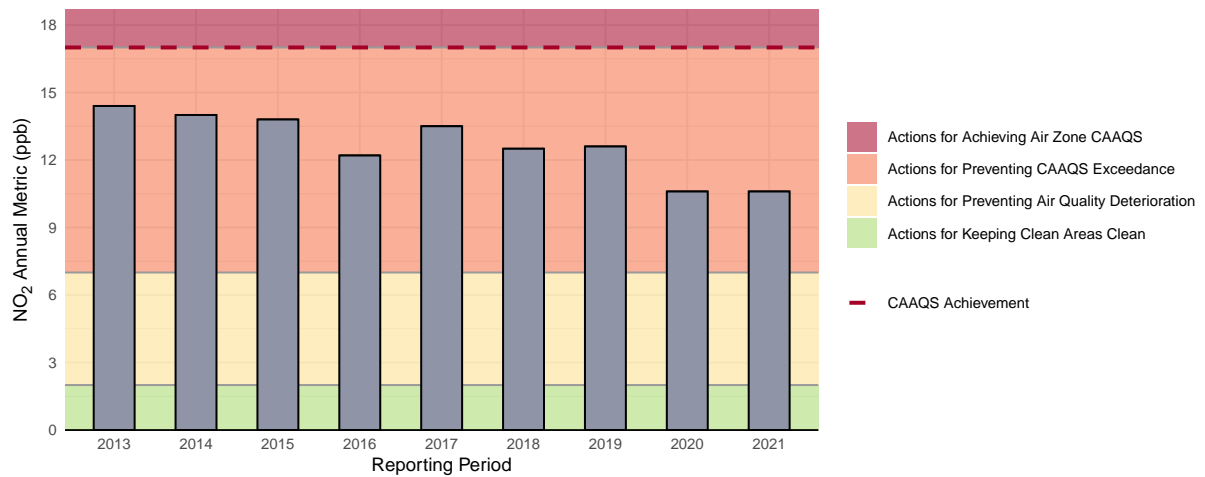


Air Zone: Lower Fraser Valley
Monitoring Station: Burnaby South

NO₂ 1-hour Air Quality Standard: Achieved
NO₂ 1-hour Metric: 38ppb (3 year average)



NO₂ Annual Air Quality Standard: Achieved
NO₂ Annual Metric: 10.6ppb (1 year average)

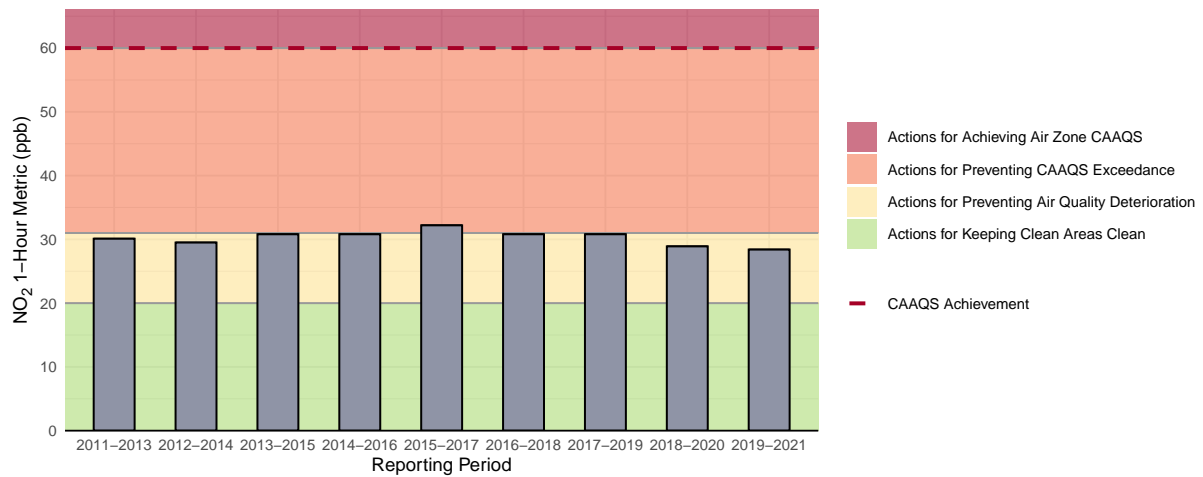


Air Zone: Lower Fraser Valley

Monitoring Station: Chilliwack Airport

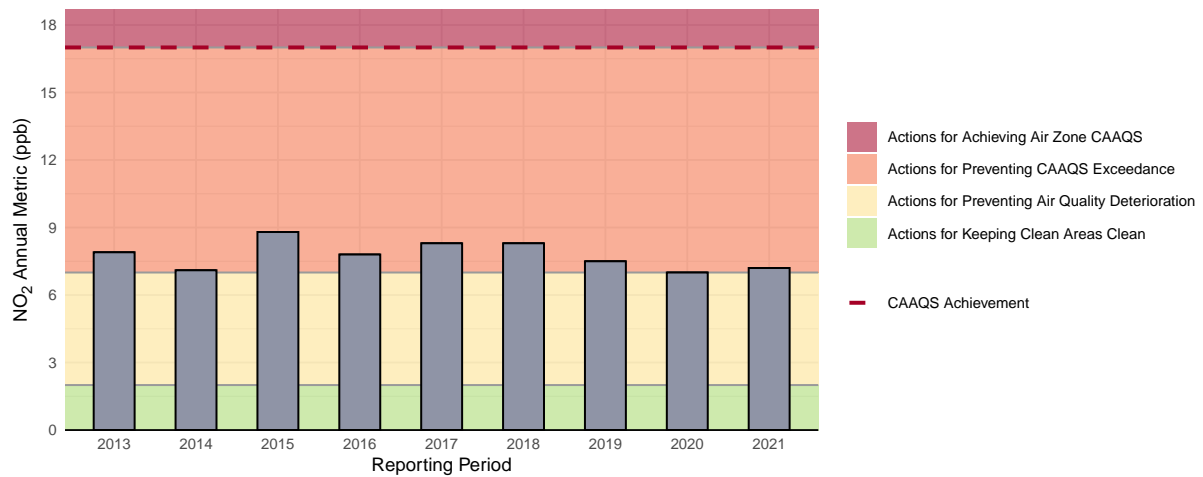
NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 28.4ppb (3 year average)



NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 7.2ppb (1 year average)

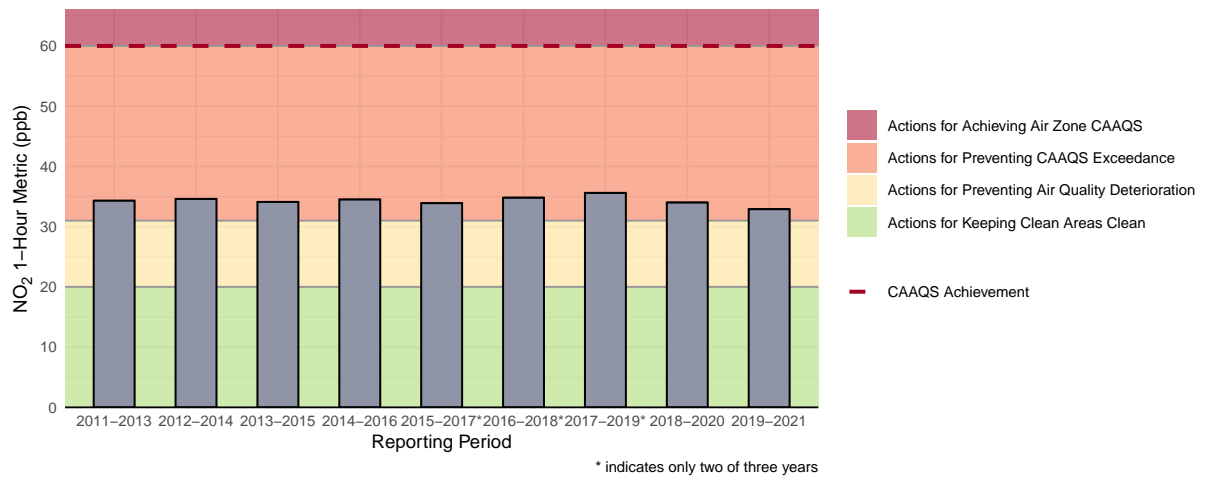


Air Zone: Lower Fraser Valley

Monitoring Station: Coquitlam Douglas College

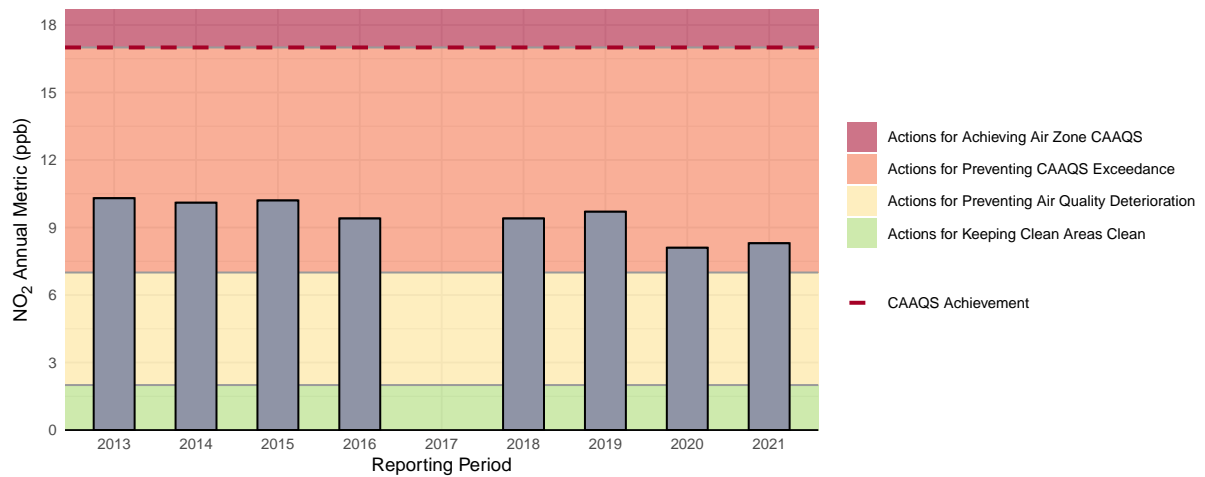
NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 32.9ppb (3 year average)



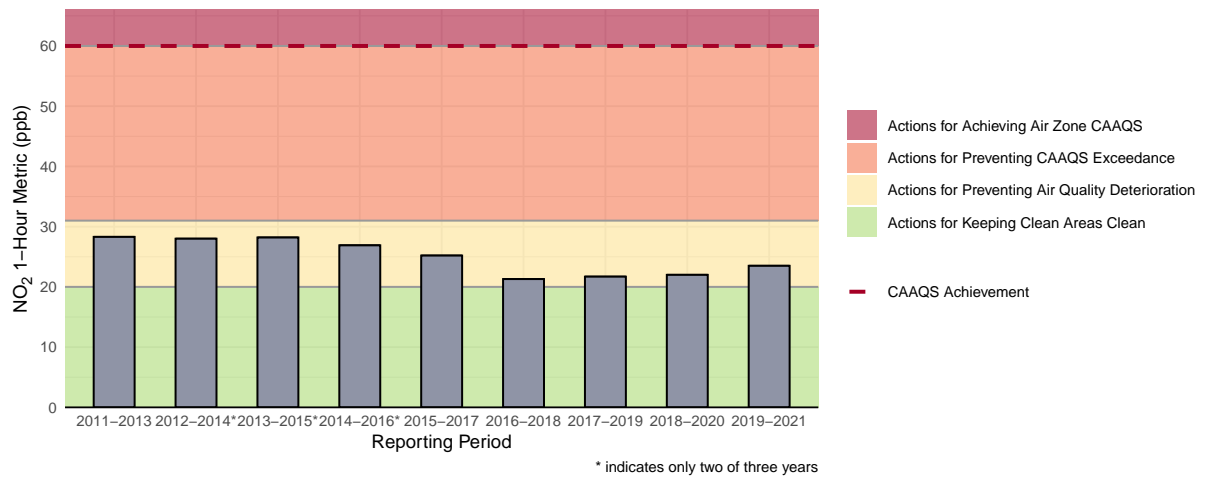
NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 8.3ppb (1 year average)

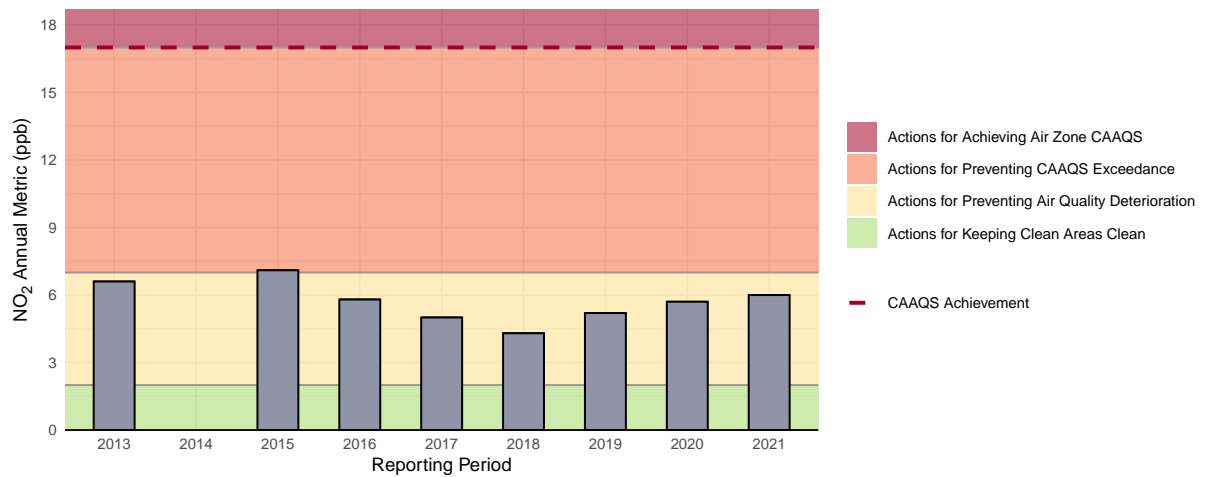


Air Zone: Lower Fraser Valley
Monitoring Station: Hope Airport

NO₂ 1-hour Air Quality Standard: Achieved
NO₂ 1-hour Metric: 23.5ppb (3 year average)

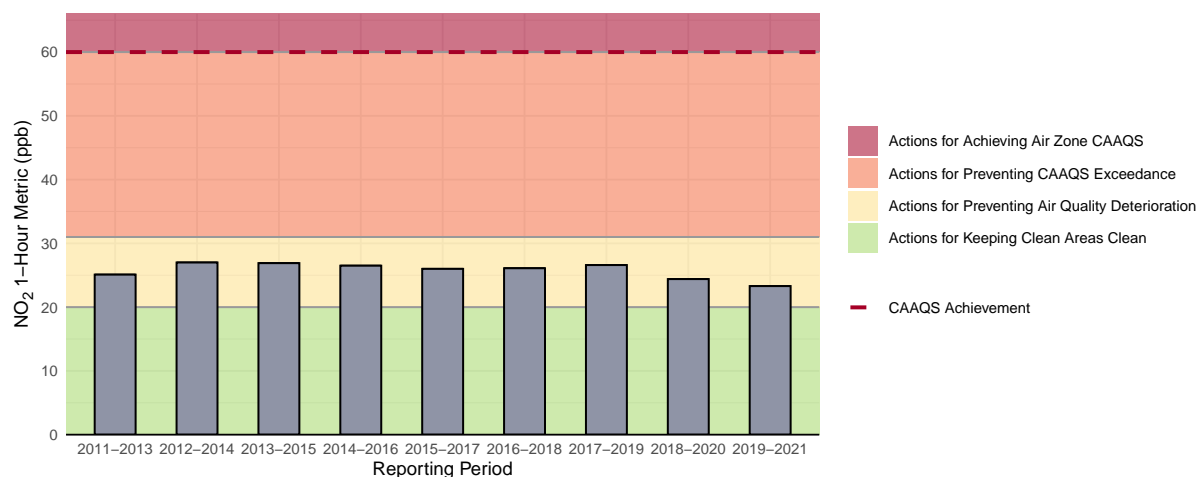


NO₂ Annual Air Quality Standard: Achieved
NO₂ Annual Metric: 6ppb (1 year average)



Air Zone: Lower Fraser Valley
Monitoring Station: Langley Central

NO₂ 1-hour Air Quality Standard: Achieved
NO₂ 1-hour Metric: 23.3ppb (3 year average)



NO₂ Annual Air Quality Standard: Achieved
NO₂ Annual Metric: 5.3ppb (1 year average)

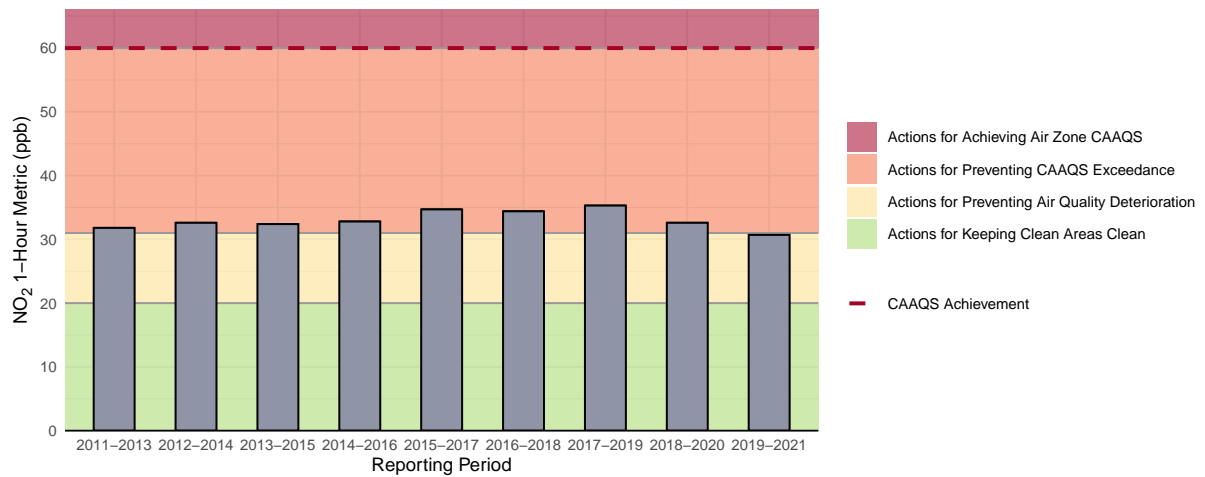


Air Zone: Lower Fraser Valley

Monitoring Station: Maple Ridge Golden Ears School

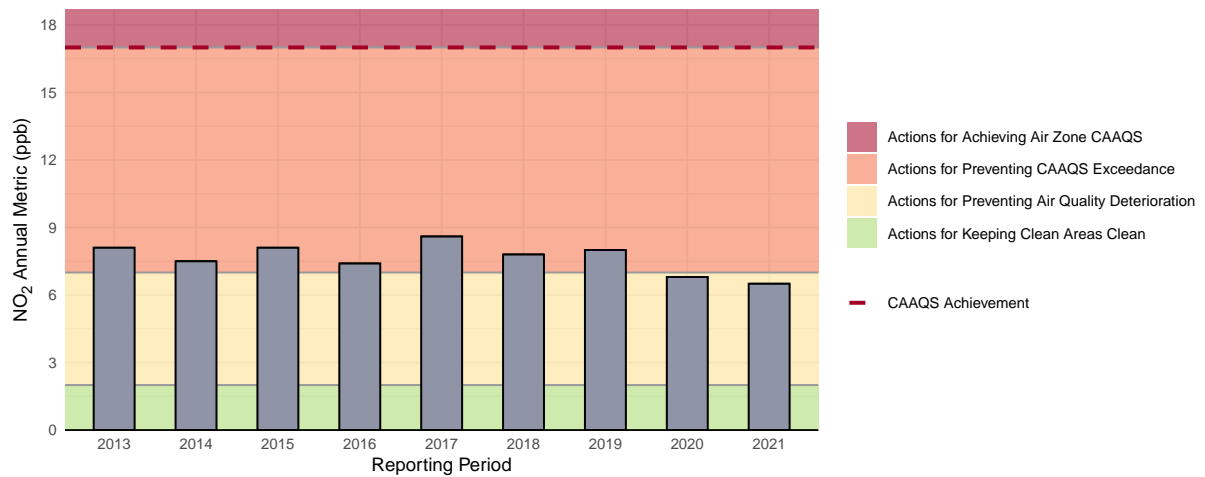
NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 30.7ppb (3 year average)



NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 6.5ppb (1 year average)

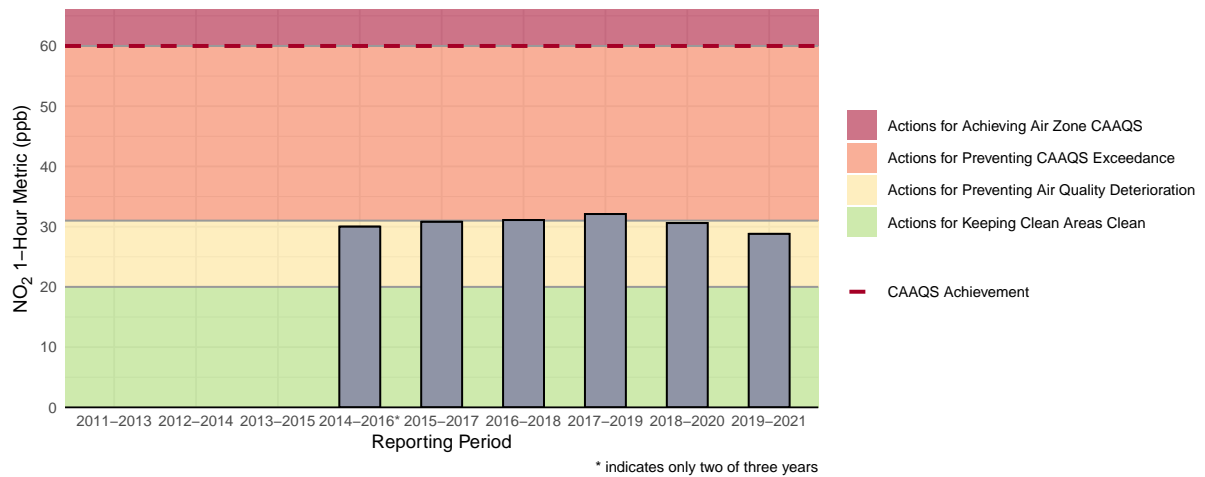


Air Zone: Lower Fraser Valley

Monitoring Station: Mission School Works Yard

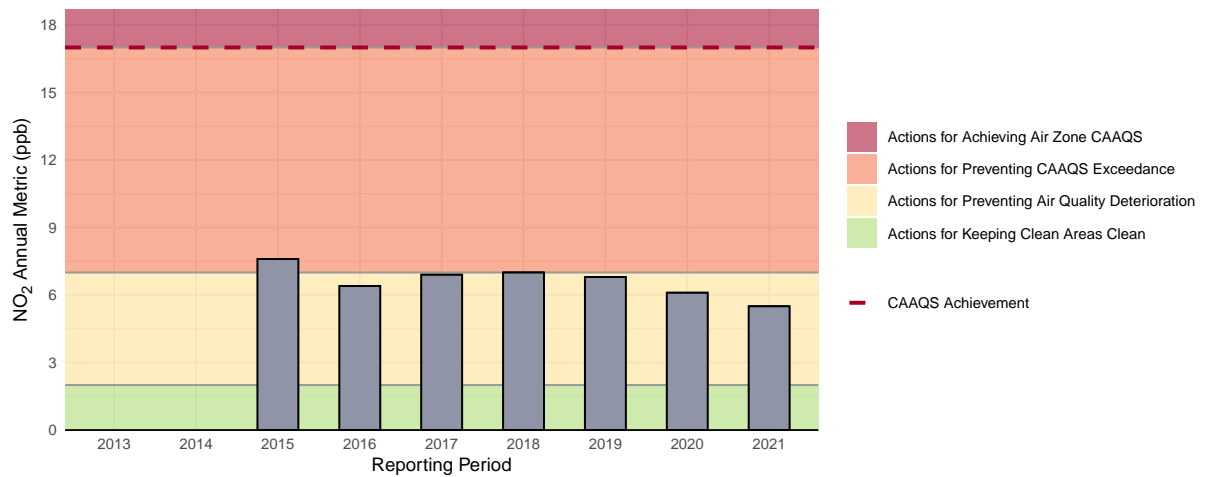
NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 28.8ppb (3 year average)



NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 5.5ppb (1 year average)

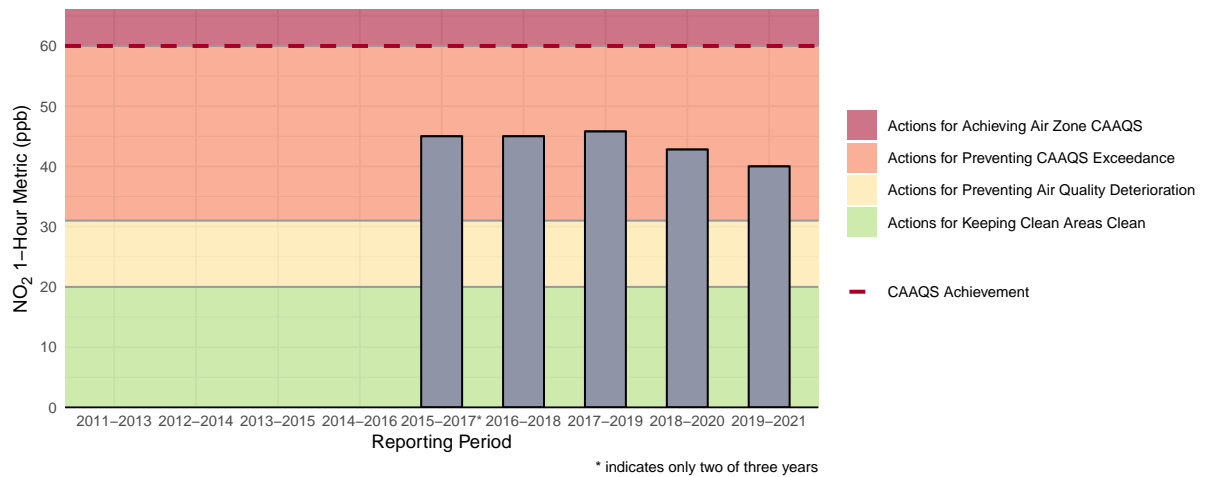


Air Zone: Lower Fraser Valley

Monitoring Station: New Westminster Sapperton Park

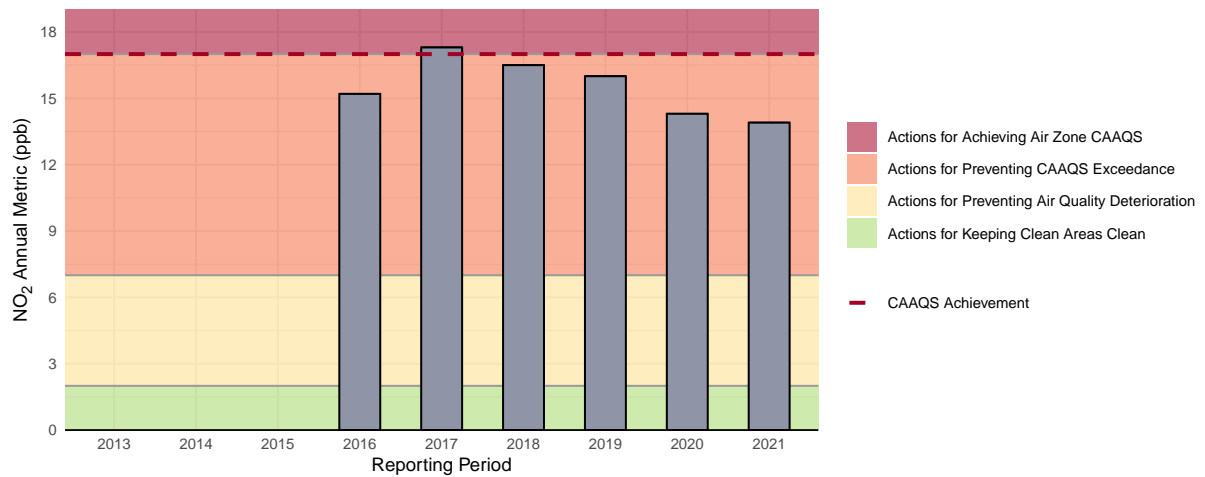
NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 40ppb (3 year average)



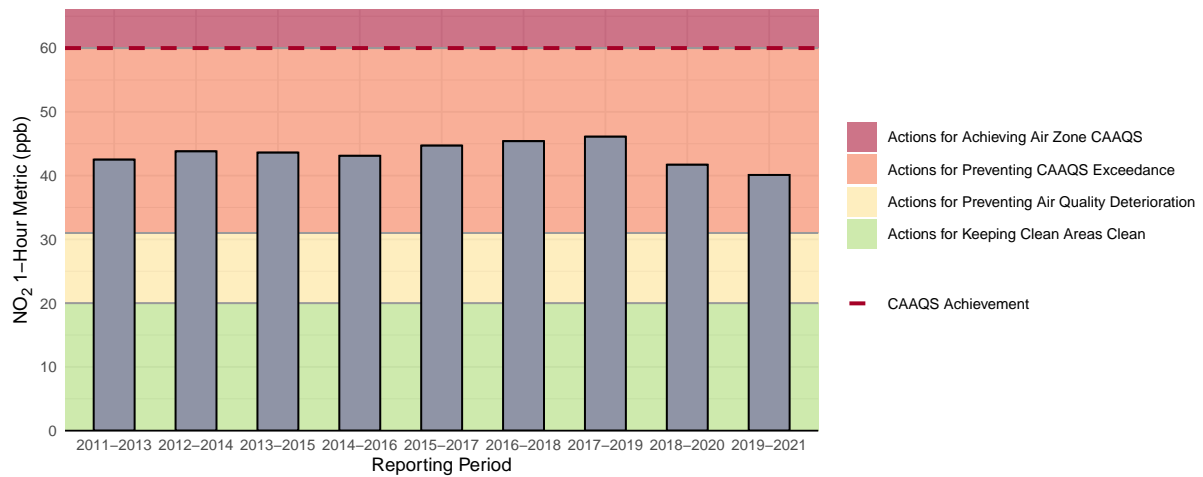
NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 13.9ppb (1 year average)

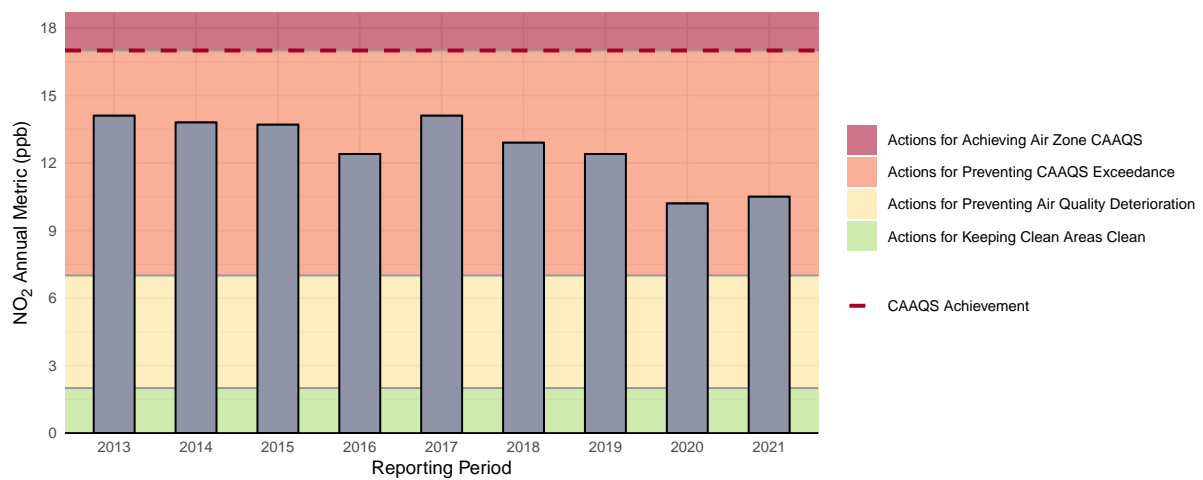


Air Zone: Lower Fraser Valley
Monitoring Station: North Delta

NO₂ 1-hour Air Quality Standard: Achieved
NO₂ 1-hour Metric: 40.1ppb (3 year average)



NO₂ Annual Air Quality Standard: Achieved
NO₂ Annual Metric: 10.5ppb (1 year average)

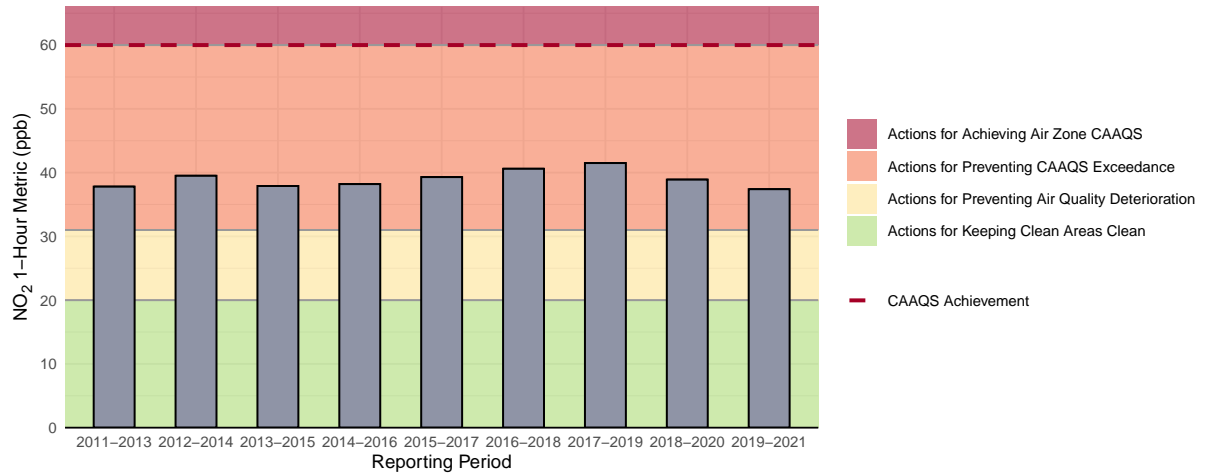


Air Zone: Lower Fraser Valley

Monitoring Station: North Vancouver Mahon Park

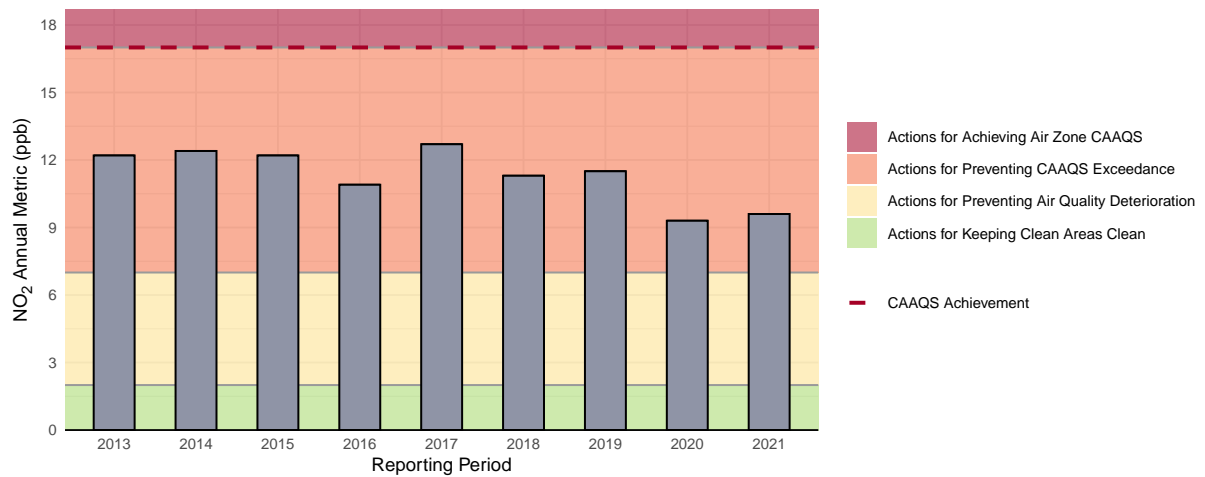
NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 37.4ppb (3 year average)



NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 9.6ppb (1 year average)

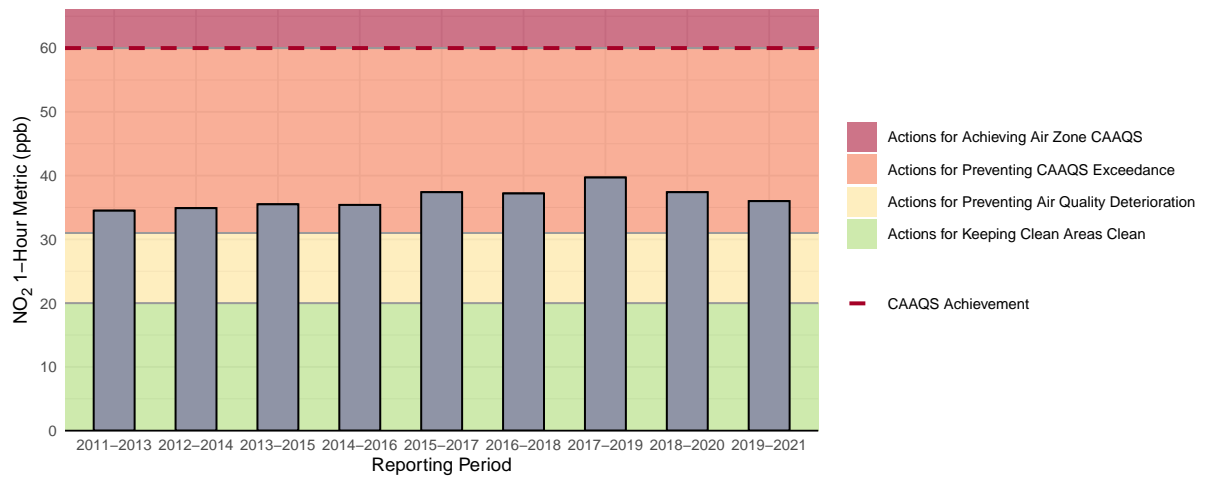


Air Zone: Lower Fraser Valley

Monitoring Station: Pitt Meadows Meadowlands School

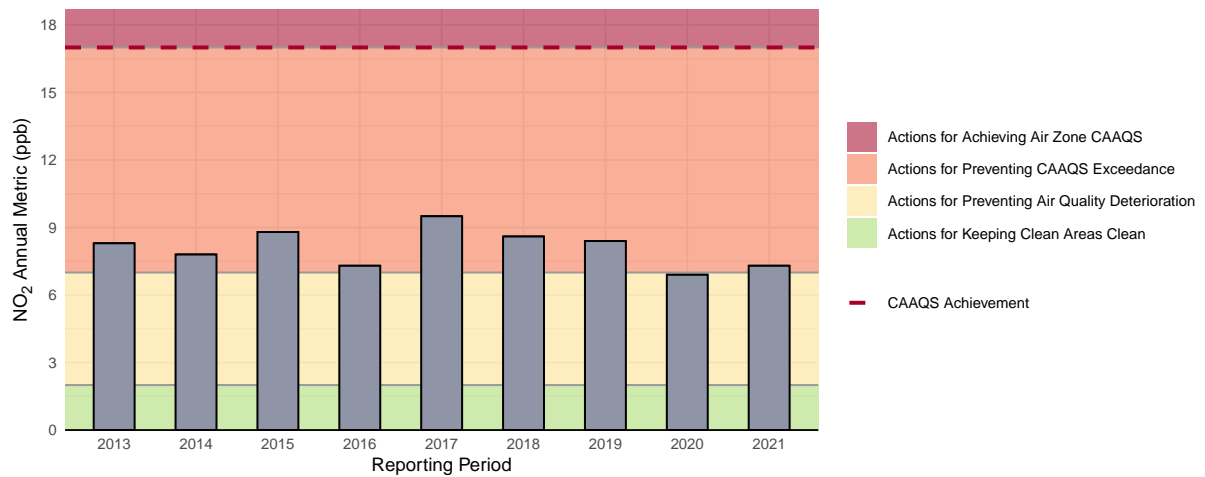
NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 36ppb (3 year average)



NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 7.3ppb (1 year average)

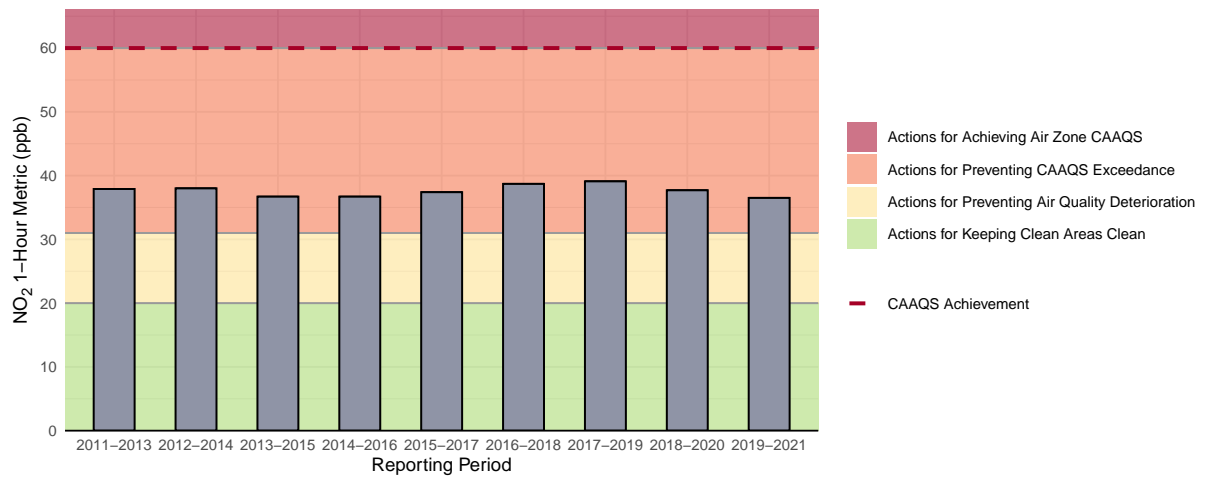


Air Zone: Lower Fraser Valley

Monitoring Station: Port Moody Rocky Point Park

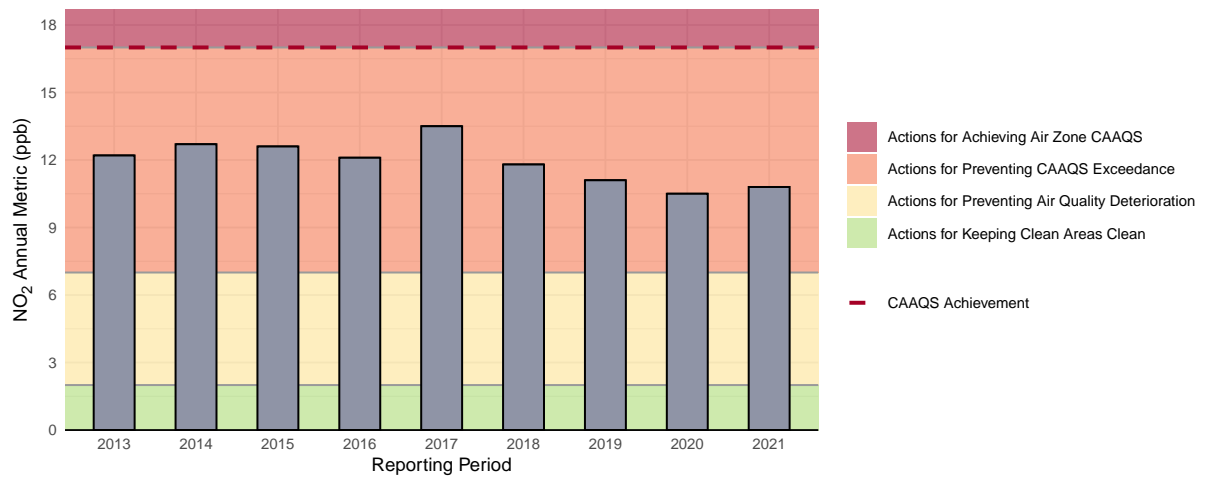
NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 36.5ppb (3 year average)



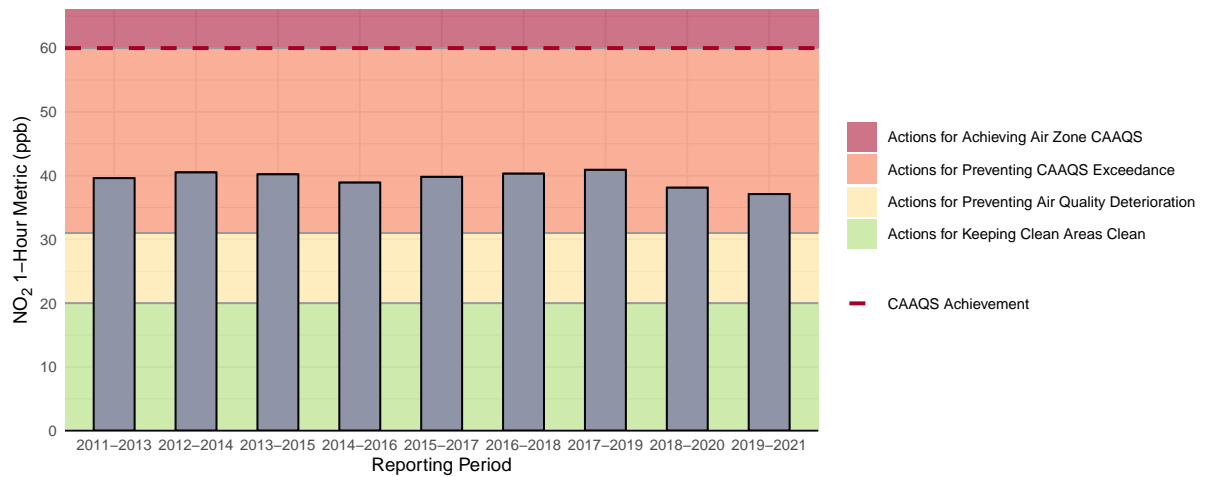
NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 10.8ppb (1 year average)

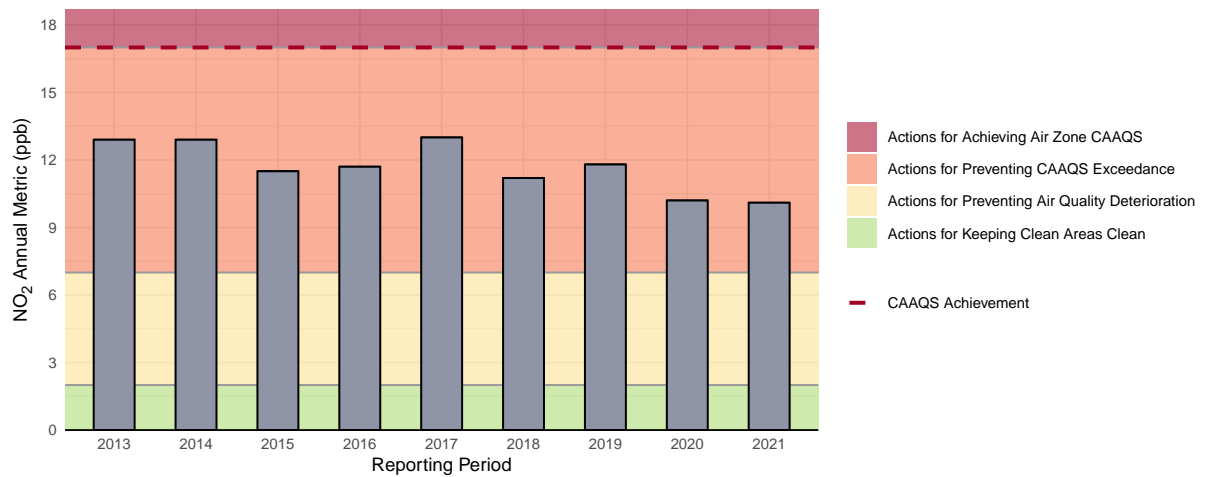


Air Zone: Lower Fraser Valley
Monitoring Station: Richmond South

NO₂ 1-hour Air Quality Standard: Achieved
NO₂ 1-hour Metric: 37.1ppb (3 year average)

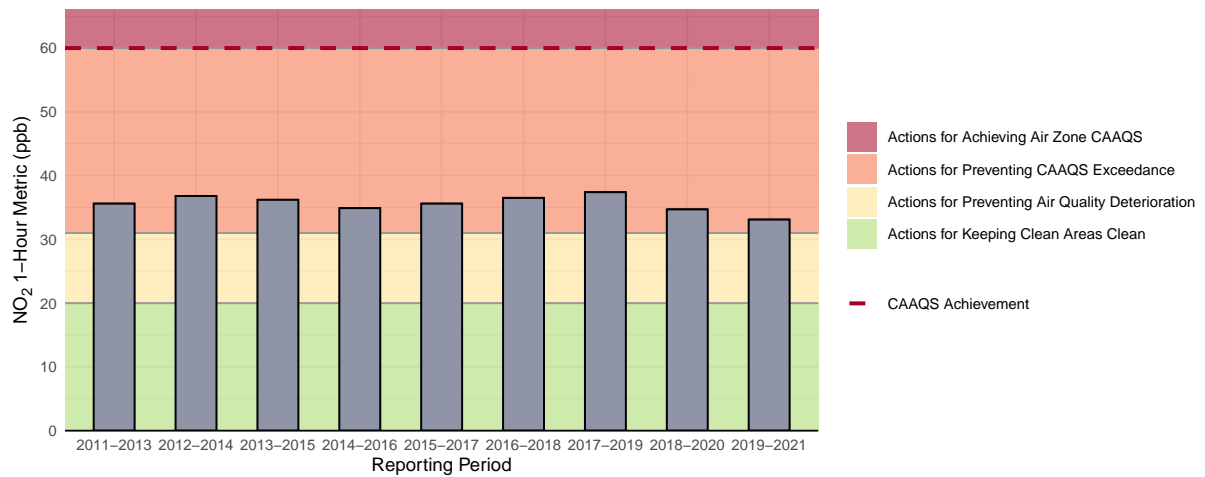


NO₂ Annual Air Quality Standard: Achieved
NO₂ Annual Metric: 10.1ppb (1 year average)

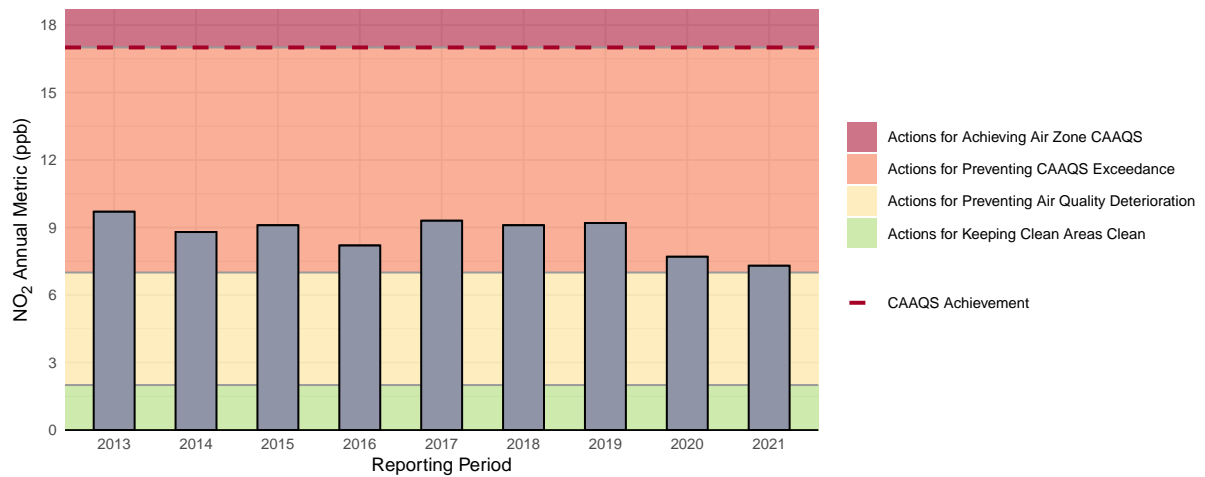


Air Zone: Lower Fraser Valley
Monitoring Station: Surrey East

NO₂ 1-hour Air Quality Standard: Achieved
NO₂ 1-hour Metric: 33.1ppb (3 year average)

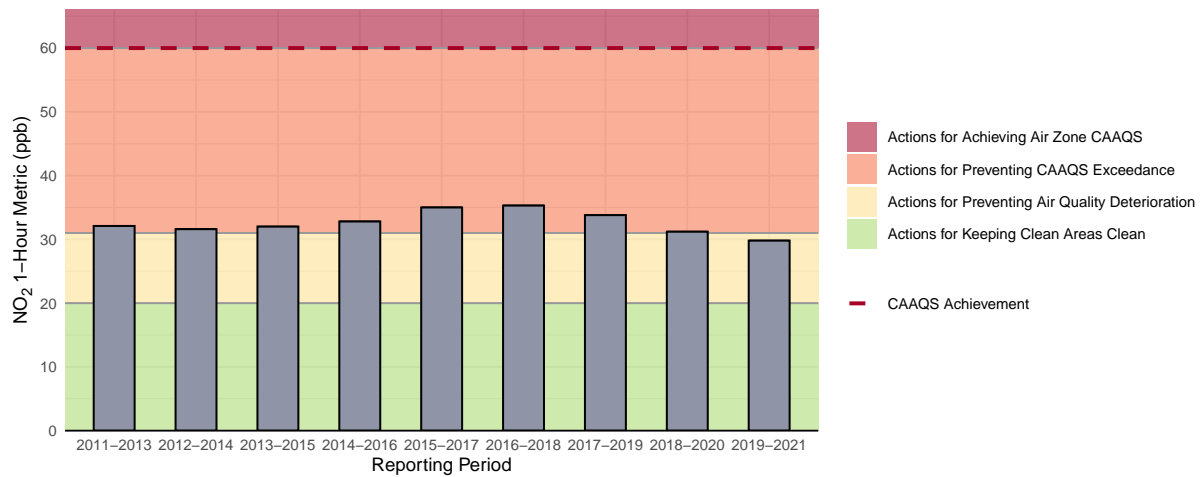


NO₂ Annual Air Quality Standard: Achieved
NO₂ Annual Metric: 7.3ppb (1 year average)

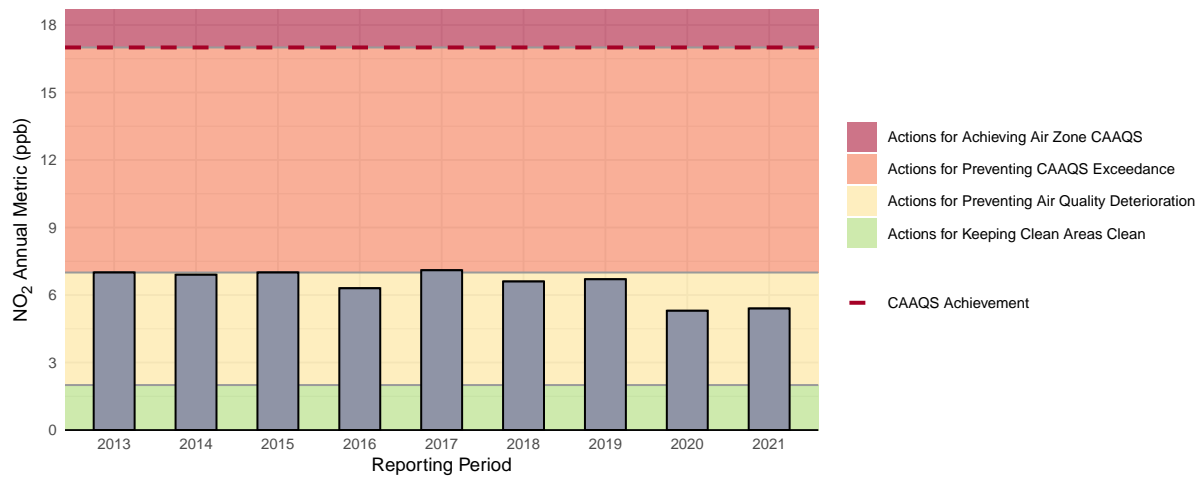


Air Zone: Lower Fraser Valley
Monitoring Station: Tsawwassen

NO₂ 1-hour Air Quality Standard: Achieved
NO₂ 1-hour Metric: 29.8ppb (3 year average)



NO₂ Annual Air Quality Standard: Achieved
NO₂ Annual Metric: 5.4ppb (1 year average)

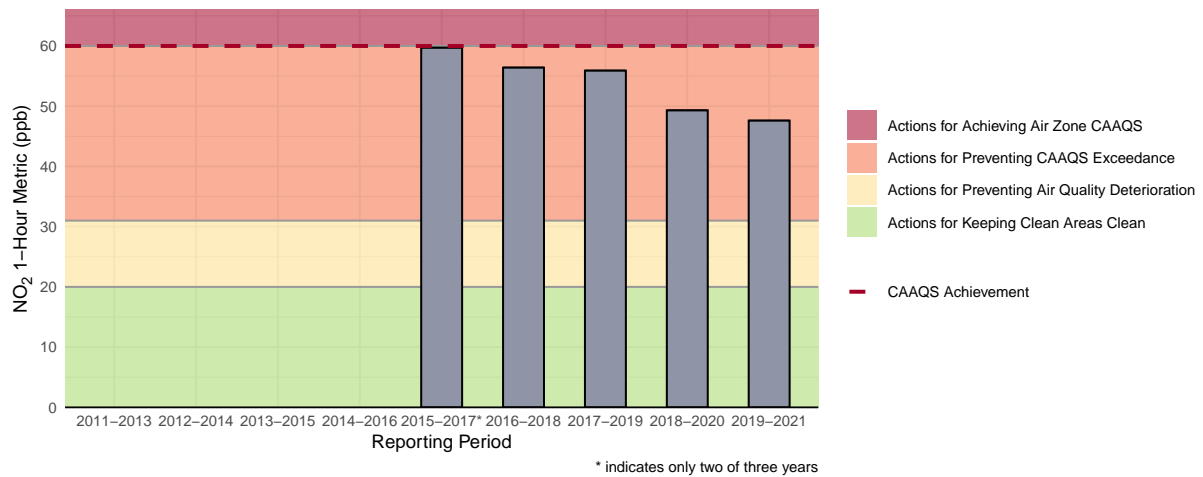


Air Zone: Lower Fraser Valley

Monitoring Station: Vancouver Clark Drive

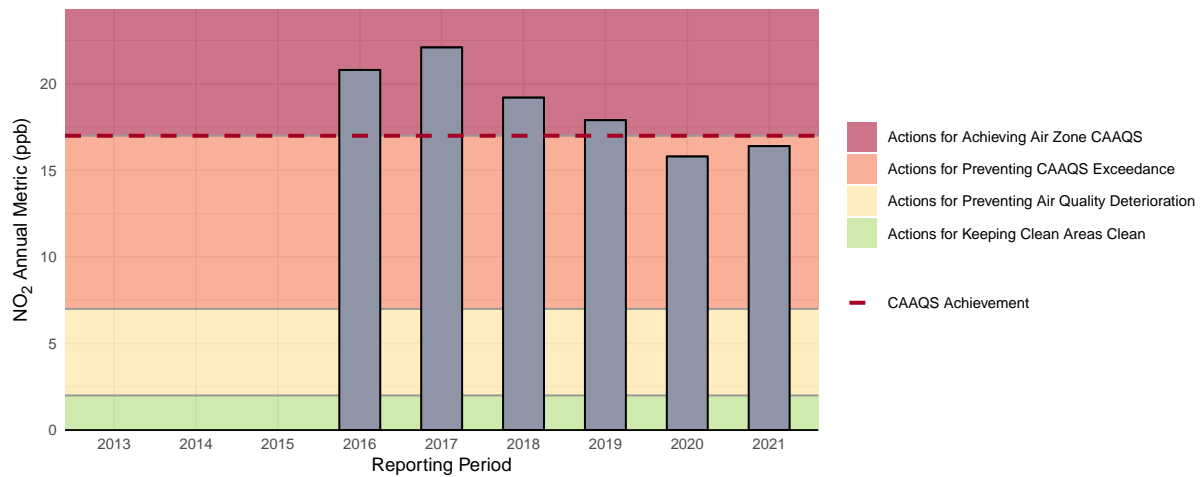
NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 47.6ppb (3 year average)



NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 16.4ppb (1 year average)

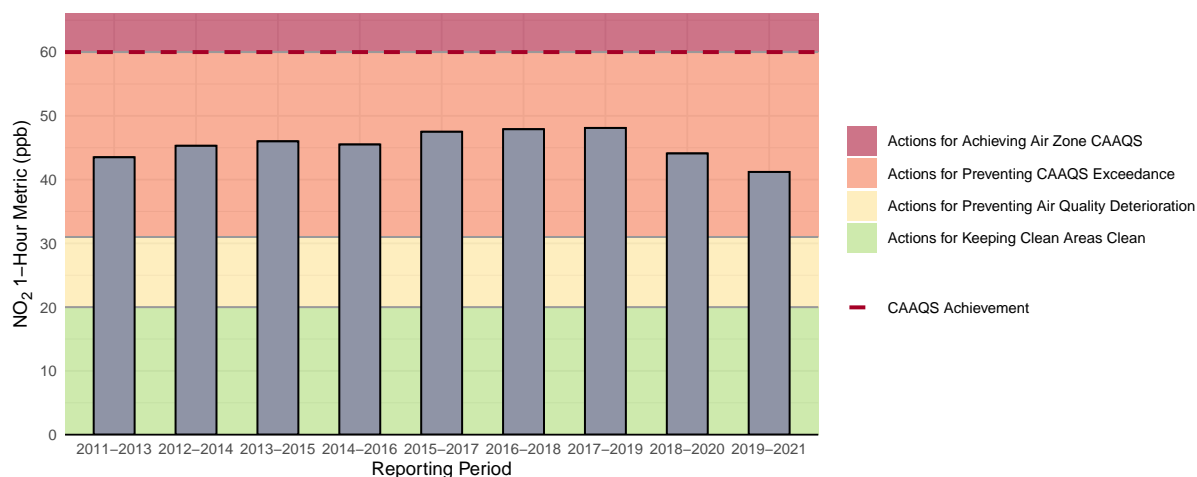


Air Zone: Lower Fraser Valley

Monitoring Station: Vancouver International Airport 2

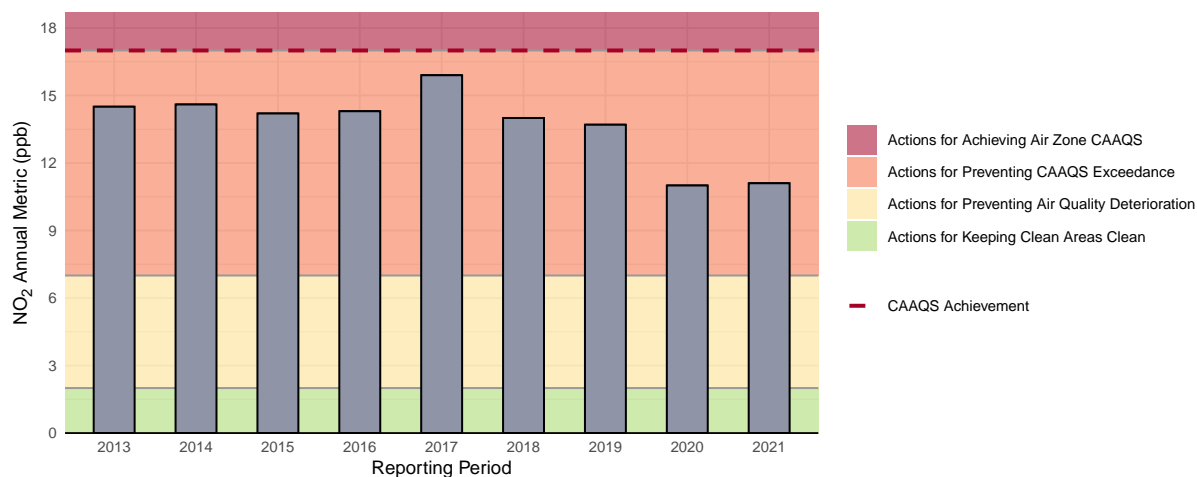
NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 41.2ppb (3 year average)



NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 11.1ppb (1 year average)

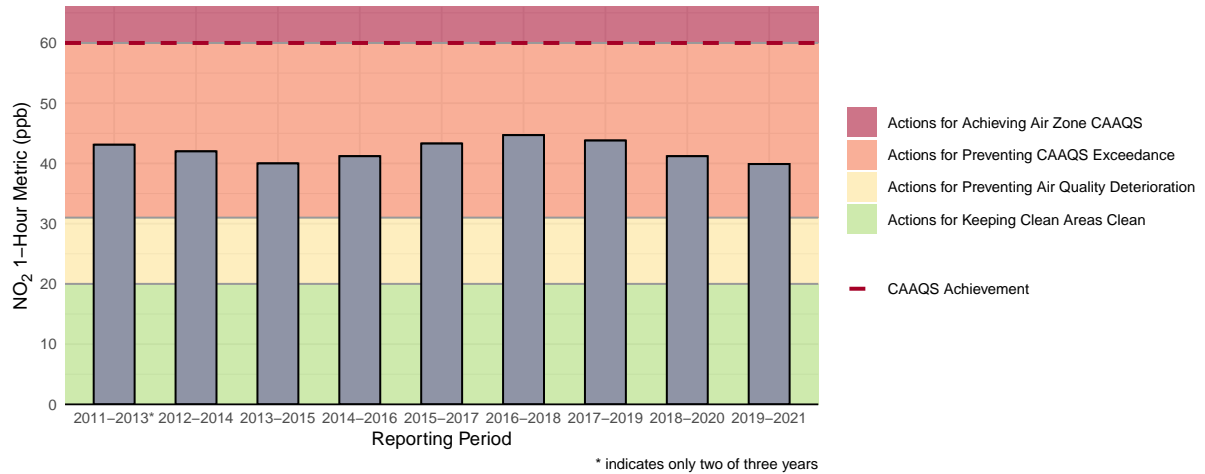


Air Zone: Lower Fraser Valley

Monitoring Station: Vancouver Robson Square

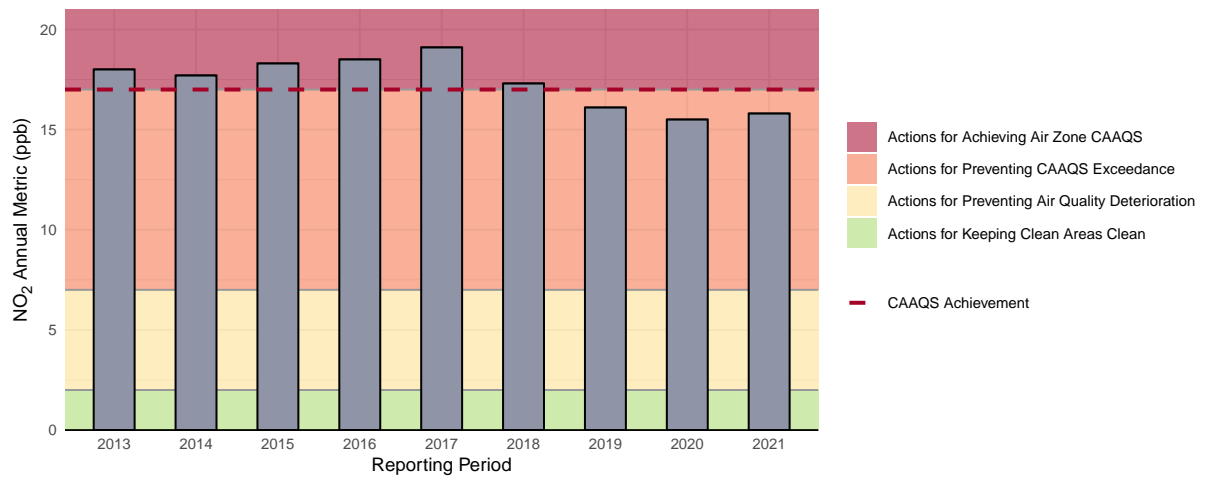
NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 39.9ppb (3 year average)



NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 15.8ppb (1 year average)

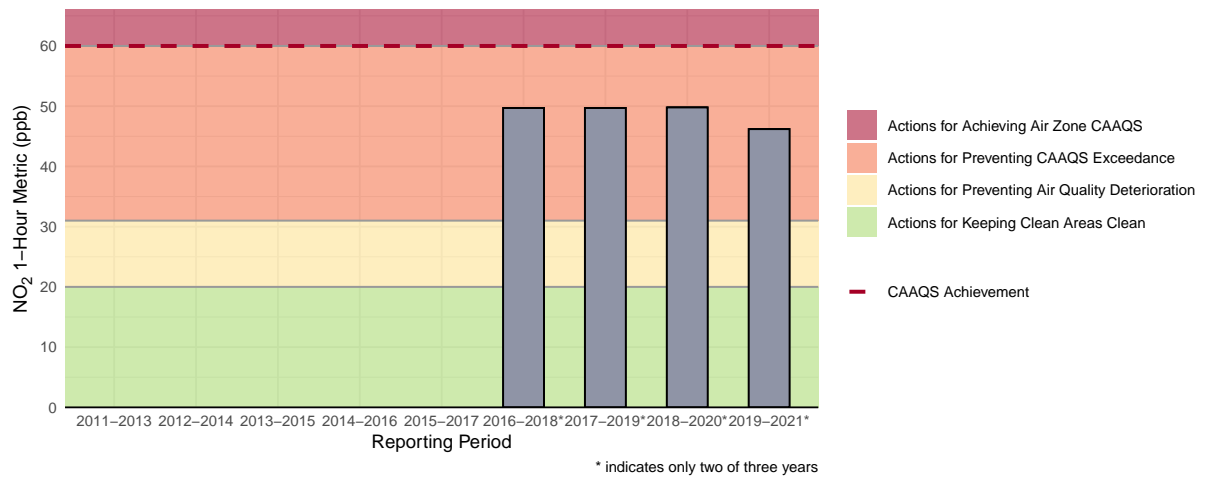


Air Zone: Northeast

Monitoring Station: Fort St John Key Learning Centre

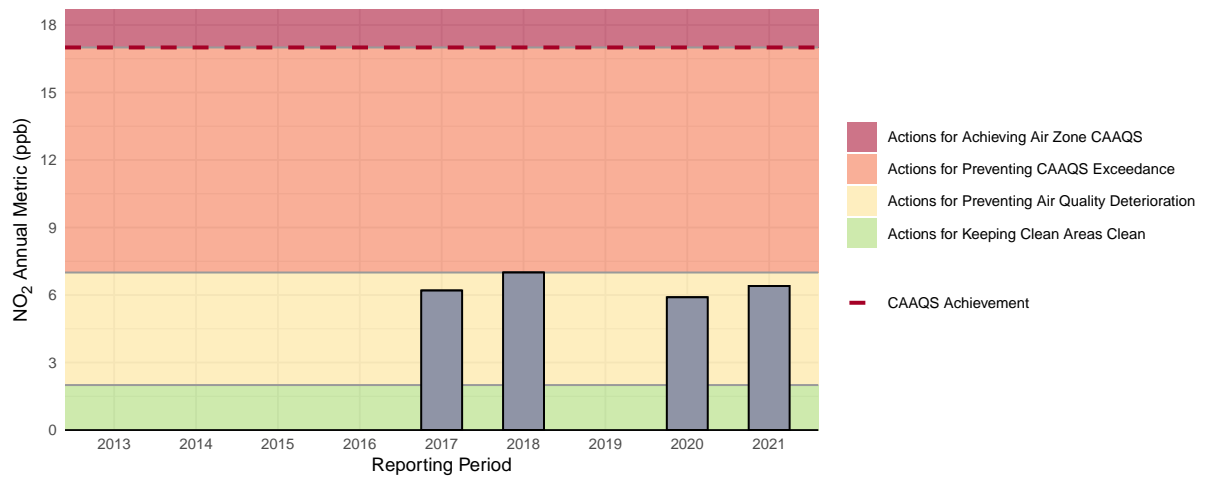
NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 46.2ppb (2 year average)



NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 6.4ppb (1 year average)

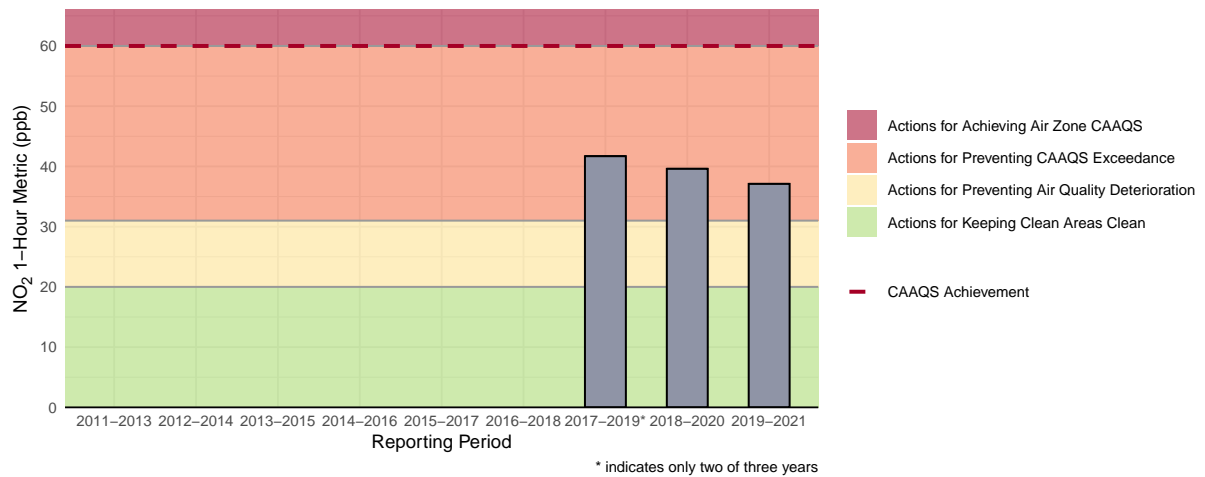


Air Zone: Northeast

Monitoring Station: Taylor Townsite

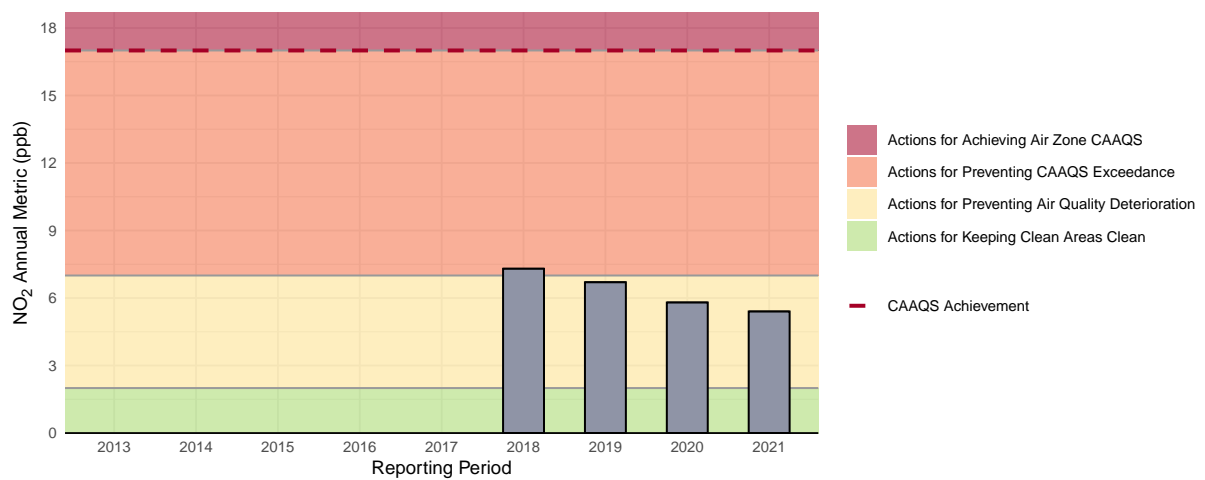
NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 37.1ppb (3 year average)



NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 5.4ppb (1 year average)

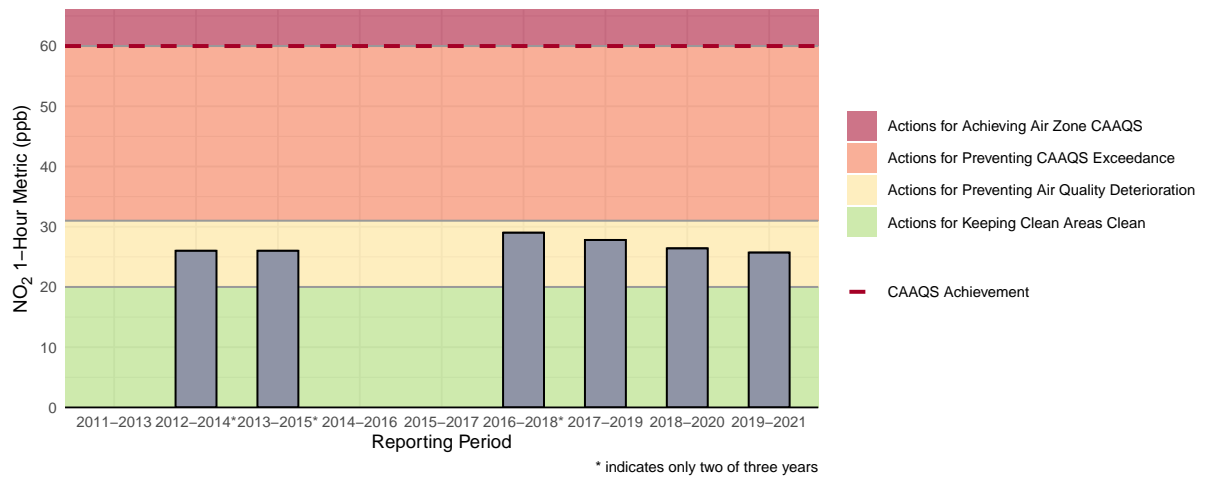


Air Zone: Southern Interior

Monitoring Station: Castlegar Zinio Park

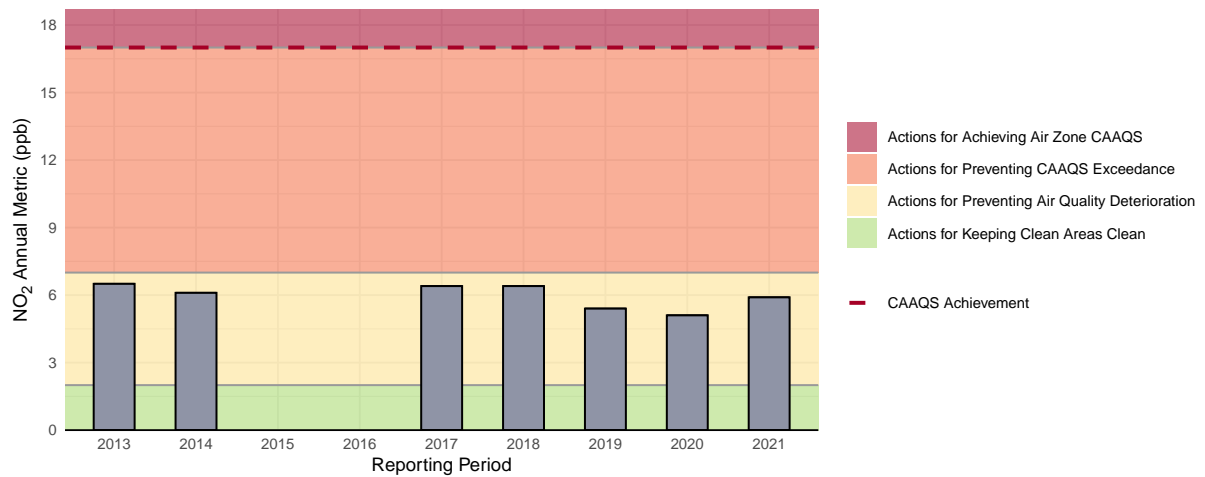
NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 25.7ppb (3 year average)



NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 5.9ppb (1 year average)

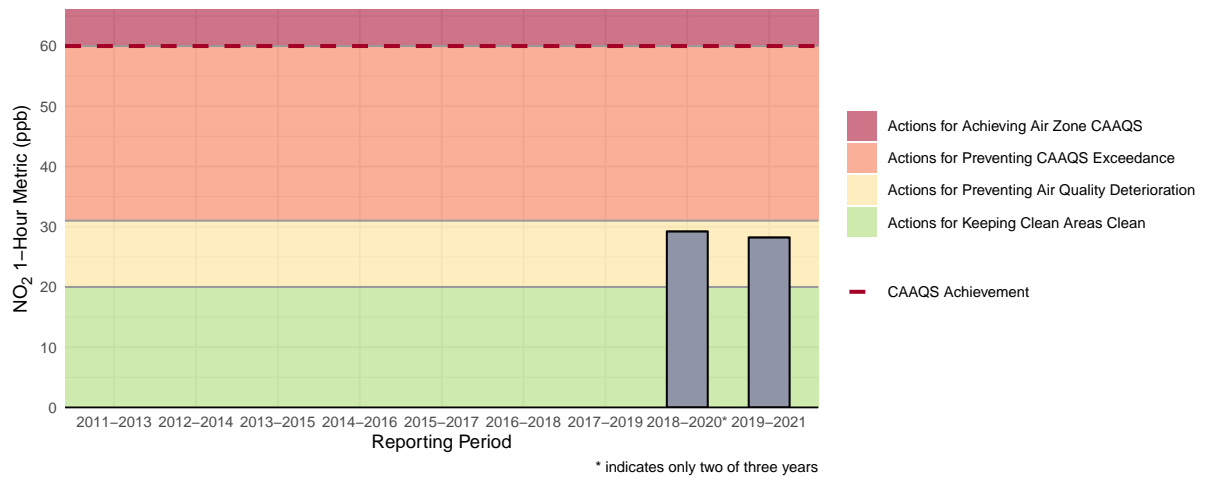


Air Zone: Southern Interior

Monitoring Station: Cranbrook Muriel Baxter

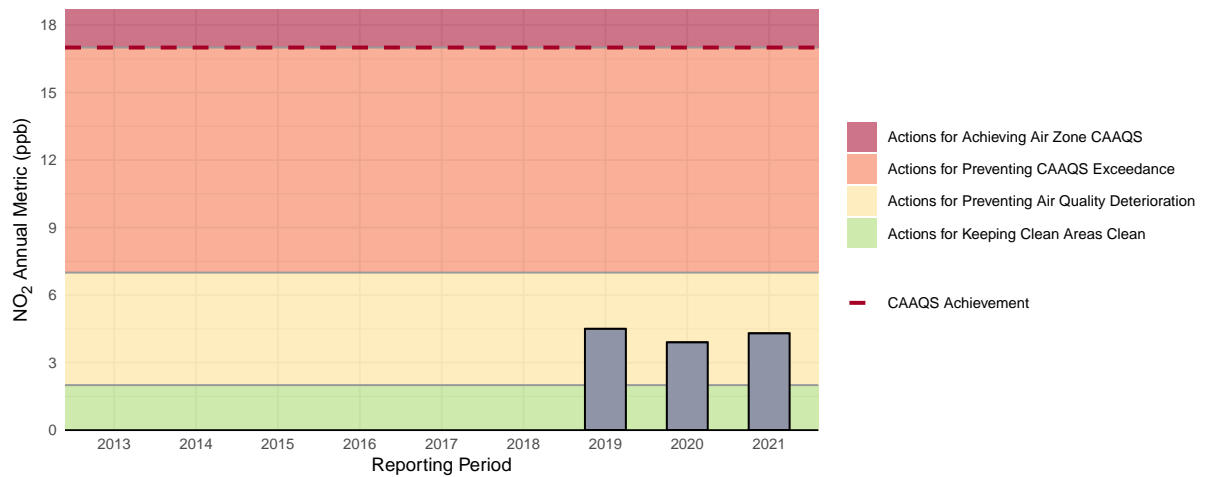
NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 28.2ppb (3 year average)



NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 4.3ppb (1 year average)

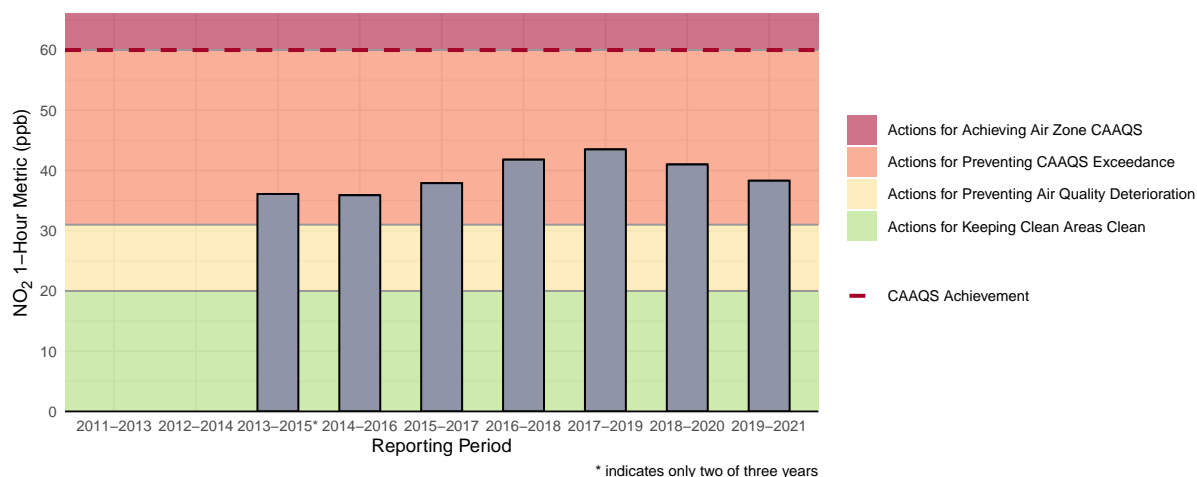


Air Zone: Southern Interior

Monitoring Station: Kamloops Federal Building

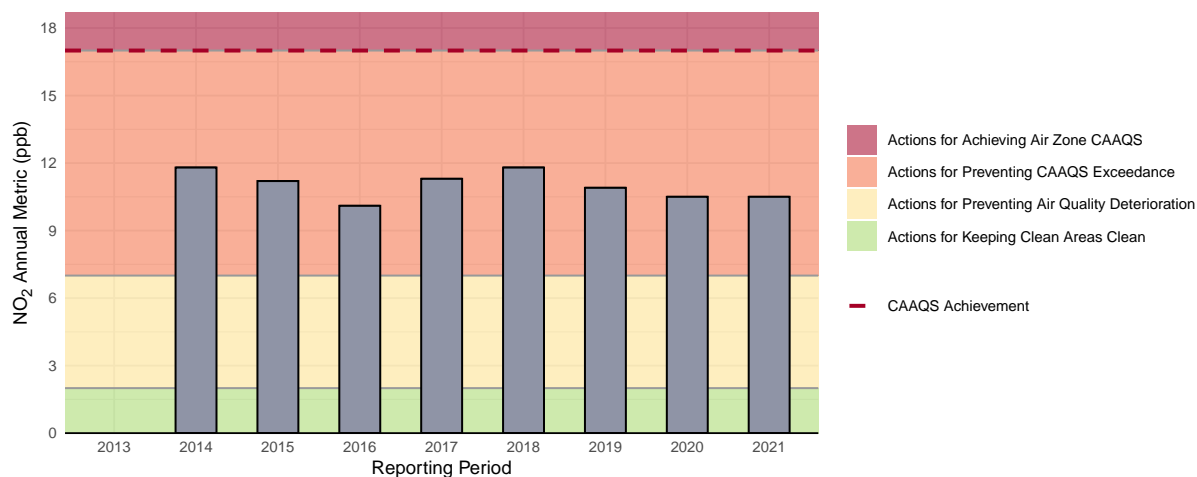
NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 38.3ppb (3 year average)



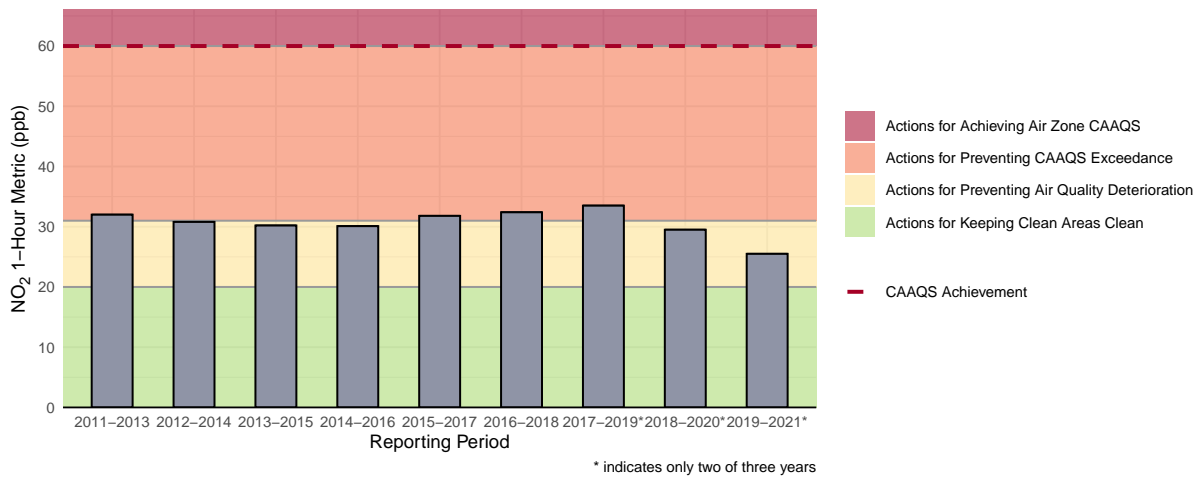
NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 10.5ppb (1 year average)

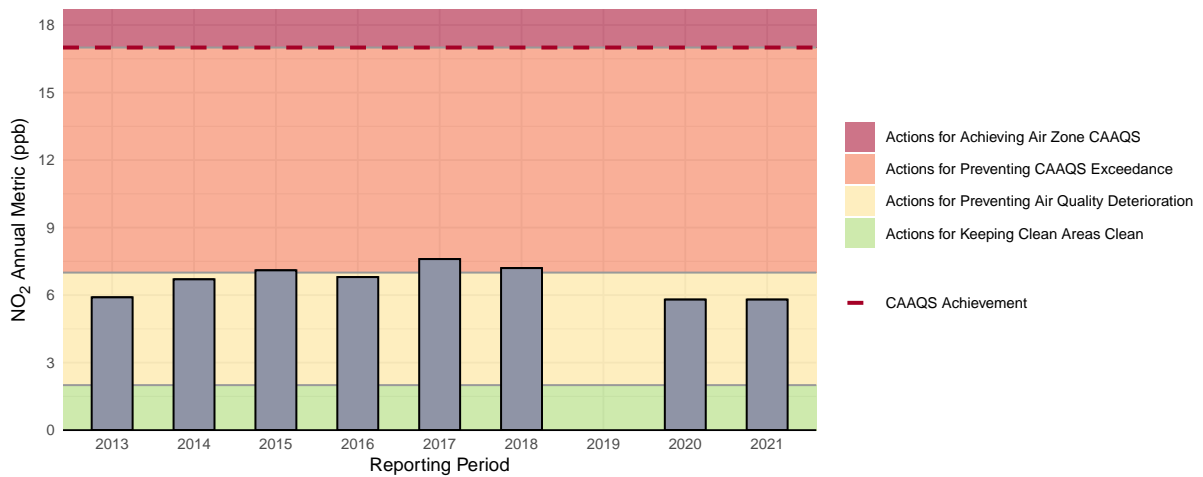


Air Zone: Southern Interior
Monitoring Station: Kelowna

NO₂ 1-hour Air Quality Standard: Achieved
NO₂ 1-hour Metric: 25.5ppb (2 year average)



NO₂ Annual Air Quality Standard: Achieved
NO₂ Annual Metric: 5.8ppb (1 year average)

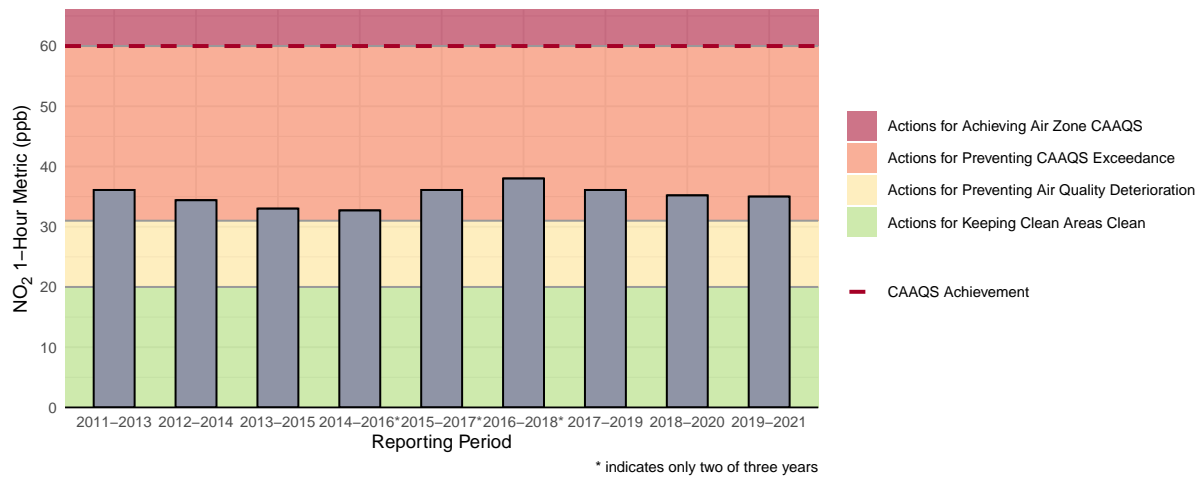


Air Zone: Southern Interior

Monitoring Station: Vernon Science Centre

NO₂ 1-hour Air Quality Standard: Achieved

NO₂ 1-hour Metric: 35ppb (3 year average)



NO₂ Annual Air Quality Standard: Achieved

NO₂ Annual Metric: 10ppb (1 year average)

