



Electricity Management Framework Review Factsheet

- CASA is a multi-stakeholder partnership composed of representatives selected by industry, government, and non-government organizations and uses a collaborate consensus process to provide strategies to assess and improve air quality for Albertans.
- In 2003, CASA published *An Emissions Management Framework for the Alberta Electricity Sector*. The Government of Alberta accepted the framework and its 71 recommendations for managing emissions from electricity generation.
- CASA members and stakeholders review the framework every five years to ensure continuous improvement and to keep the framework relevant. CASA completed the third five-year review in April 2021.
- The third five-year review resulted in one non-consensus recommendation and nine consensus recommendations, which CASA provided to Alberta Environment and Parks as advice to support their decision making.
- Nitrogen oxide (NO_x) emissions are a priority air management issue for the electricity sector in Alberta. While NO_x does occur naturally in the environment, the electricity sector contributes approximately 8% of NO_x emissions in Alberta.

- The project team's tasks came from recommendations in the 2003 Framework and from recommendations made in previous five-year reviews. For more information on the specific tasks and their outcomes, please see the project team's final report, available [here](#).
 - ***NO_x Emissions Standards for Gas-Fired Electricity Generation Units***

The project team did not reach consensus on an updated NO_x air emission standard and stakeholders submitted perspectives documents as advice for Alberta Environment and Parks.
 - ***NO_x Emissions Standards for Reciprocating Engines***

The 2023 Five-Year Review Project Team should review this issue and if there is a need, the 2023 Team should determine BATEA-based NO_x emission standards for gas-fired reciprocating engines used for electricity generation.
 - ***NO_x Emissions Standards for Biogas-Fired Engines***

The 2023 Five-Year Review Project Team should review this issue and if there is a need to develop NO_x emissions standards, the 2023 Team should determine BATEA-based emissions standards for biogas-fired engines.
 - ***Assessment of the Emissions Trading System***

The Government of Alberta should provide a consultation opportunity to provide input on the Emissions Trading Regulation through the regulatory review process in 2021.
 - ***Emissions Standards for Biomass-Fired Units***

The 2023 Five-Year Review Project Team should review this issue and if there is a need to develop emissions standards, the 2023 Team should determine BATEA-based emissions standards for biomass-fired units.
 - ***Federal Stationary Diesel Engine Regulations***

There is no further need to set specific emission standards for Alberta for off-road compression ignition engines used in electricity generation.

- **Primary Particulate Matter Management System**

Based on off-coal milestones occurring in 2023 or earlier for all coal-fired electricity generation units, there is no need to develop a primary PM Management System because primary PM emissions are expected to be substantially reduced by 2023.
 - **Information Gathering**

To assist in meeting the goal of completing the five-year reviews within one year, the working group for the next five-year review should identify information needs and scope of work for any contracts required so they can be initiated and completed prior to the creation of the 2023 EFR Project Team.
 - **Future Five-Year Reviews**

A working group drawn from previous stakeholders who have participated in EFRs should be struck to undertake a holistic review of the tasks traditionally included in the project charter for five-year reviews. This review should include an assessment of the recommendations for five-year reviews from the 2003 Framework, exclusion of non-relevant tasks, and inclusion of new tasks deemed relevant to the electricity sector in its current form.
- In addition to the tasks that resulted in recommendations from the project team, the team received a report on the electricity sector in Alberta and how it has changed following the last five-year review. They also reviewed information on any improvements to emissions reduction technology made since the previous review.
 - CASA will begin the fourth five-year review in 2023 and will work to implement the recommendations made in the third five-year review.

