



The Clean Air Strategic Alliance (CASA)'s newsletter will arrive at your inbox three times per year, shortly after each board meeting, providing a quick update for board members and other interested groups. Comments and suggestions are welcome, so please tell us what you think! Email any feedback to info@awc-casa.ca. Follow us on Twitter, Facebook, and LinkedIn, and subscribe to our YouTube channel. We look forward to hearing from you!

In this edition:

- Director Feature: Alison Miller, Industry - Petroleum Products

- Project Updates: Roadside Optical Vehicle Emissions Reporter III Project Team, Ambient Air Quality Objectives Project Team, Electricity Framework Review Project Team
- CASA 25 Year Anniversary Celebration
- CASA Approves a New Working Group!
- Upcoming Events and Meetings



Director Feature: Alison Miller, Industry

Alison Miler has a broad background with Imperial including operations experience in both refining and chemicals before she started working on environmental files in 2012 with a focus on air emissions. She was engaged in the technical discussions leading up to the development of the federal Multi-Sector Air Pollutants Regulations and the Boilers and Heaters Base Level Industry Emissions

Requirements for NOx emissions. These experiences meant that when the CASA project team was being assembled to develop recommendations to reduce air emissions from Non-Point Sources, Alison became the representative for both the Chemistry Industry Association of Canada and for the Canadian Association for Petroleum Producers.

With a Ph. D in Chemical Engineering, Alison works for Imperial as the Air and Greenhouse Gas Manager in the Policy and Advocacy Department. She has 21 years of experience with Imperial and have worked in both refining and chemicals operations before moving to Calgary and joining Imperial's corporate environmental team working on policy development related to air and greenhouse gas emissions. She enjoys helping shape public policy in this space. Since completing her Ph. D. at the University of Alberta, Alison has been working for Imperial in various parts of the business. She started at Imperial's downstream research facility in Sarnia supporting the lubricants and the asphalt businesses. Alison was the technical manager for part of Imperial's chemical plant and then for one of Imperial's refineries prior to coming to Calgary. She is also a member of various committees within the Canadian Fuels Association, the Chemistry Industry Association of Canada and the Canadian Association of Petroleum Producers.

Alison believes that managing air quality is a shared responsibility, in that it is impacted by many different sources, including industry, commercial and individual sources. As such, participation in CASA is valuable as it pulls together people from government, NGOs and industry so that we have a broad perspective when we are developing ideas to improve air quality. CASA is a multi-stakeholder partnership that exists to help manage air quality. Air quality is important to all of us and is impacted to many different sources. Canadian Fuels Association members operate four refineries in the Alberta Capital Region. Recognizing that the province is working to protect the provincial air quality, it is important that we work together to develop solutions that are both practical and will have a meaningful impact on the air quality.

She thinks that the consensus decision making process is an opportunity for industry, government and non-government organizations to come together to work on the challenge of managing air quality in Alberta. It requires hard work by all participants to seek to understand each other's concerns and perspectives, to be receptive to new ideas and flexible enough to change. When all of this comes together, we can develop solutions to challenging problems and work towards protecting Alberta's air quality.

If someone was thinking about volunteering on one of CASA's teams, Alison would tell them to come with ideas, and willingness to learn and listen to others' perspectives. It is an opportunity to learn and contribute to improving the air quality in Alberta.

Managing air quality will continue to take collaboration as the province's population continues to rise and the industrial activity continues to expand. In the next 10 years, Alison believes that to be successful, we will need to address things from a more integrated view. Leveraging other initiatives, in particular actions focused on reducing greenhouse gas emissions, will provide opportunities to address air quality. To maximize the impact of investments to reduce greenhouse gas emissions, she hopes that we proactively identify any opportunities to also improve air quality. With the expansion of the Canadian Ambient Air Quality Standards from PM_{2.5} and Ozone to now include SO₂ and NO₂, we have a valuable tool to help focus Alberta's efforts on protecting air quality. We can't afford to do everything all at once, so the CAAQS can help priority our actions. In particular, where PM_{2.5} has been identified as approaching the red zone in the CAAQS, Alison looks forward to the province working to better understand the key contributing factors to these levels. Specifically, it is becoming more important for Alberta to understand and address the impact of urban activity on our local air quality. Alberta history of collaboration between government, industry and

community will continue to be an important tool as Alberta works to tackle this challenge.



ROVER III Project Team

The Roadside Optical Vehicle Emissions Reporter (ROVER) III Project Team launched in May of 2018. Since its launch, the project has experienced several delays that were beyond the control of the project team. The data collection process is scheduled to begin in spring 2020. CASA will send remote sensors to selected sites to measure nitrogen oxides, hydrocarbons, carbon monoxide, carbon dioxide,

and particulate matter from vehicles. These sites include locations in Edmonton, Calgary, Red Deer, Grande Prairie, and Fort McMurray.

Recently the ROVER project caught the attention of researchers at the University of Alberta Faculty of Engineering. These researchers are working on projects related to vehicle emissions in northern and colder environments, and the project team is considering ways to potentially engage these researchers and find synergies with the ROVER III data.

To find out more about the ROVER III project, [visit the project team webpage](#).



AAQO Project Team

The Ambient Air Quality Objectives (AAQO) Project Team was approved by the board in December of 2017. The team is tasked with providing advice to Alberta Environment and Parks (AEP) on the development of AAQO that are consistent

with the Canadian Ambient Air Quality Standards for atmospheric particulate matter, ozone, nitrogen dioxide, sulfur dioxide, total reduced sulfur, and hydrogen sulfide.

The AAAQO Project Team presented a revised project charter at the December 2019 board meeting, seeking to extend the project deadline to incorporate advice from an AEP guideline. The document will help the project team to better understand the impact of an updated nitrogen dioxide and sulfur dioxide AAQO on modeling results and is expected to be available in early 2020.

The board approved the request to the timeline, and the team is expected to present their results at a future board meeting. The team has previously submitted their advice for particulate matter, ozone, total reduced sulfur, and hydrogen sulfide.

For more information, visit the [AAQO Project Team Webpage](#).



Electricity Framework Review Project Team

The Electricity Framework Review's project charter was approved by the board in June of 2018, and the team held its first meeting in July. This is the third five-year review that has been done by CASA, with the goal to ensure the *Emissions Management Framework for Alberta's Electricity Sector* reflects current circumstances in the province.

The short-term tasks, or phase one, were completed in December of 2018. The long-term tasks, or phase two, were originally set to be completed in September of 2019. Following a request for an extension of the timeline from the team, a new deadline for phase two will be approved at a future board meeting.

For more information, visit the [EFR Project Team Webpage](#).



Ad Hoc Governance Review Committee

The Ad Hoc Governance Review Committee was formed following CASA's 2018 Strategic Planning session. Four strategic priorities were defined, one of which included a governance review of CASA. The committee will review the design of CASA's governance model, including governing strategy, structure, roles, processes, competencies, and culture. The goal is to maximize the value, contributions, and the effectiveness of the board and staff toward achieving CASA's vision and mission.

The committee held two meetings during the fall of 2019 and presented a Terms of Reference and work plan to the board at the December 2019 meeting. They are currently working on a current state analysis of CASA's governance.

For more information about this committee, please see this [page](#).



25 Anniversary Celebration

Twenty-nineteen marked 25 years since CASA's inception in 1994, and current and former directors, partners, and project team members came together to mark the occasion with style last December at the Edmonton Federal Building.

The evening included a reception with hor d'oeuvres and a host bar, a presentation of 15 More Years of Success, that built upon the 10 Years of Success presented at CASA's 10-year anniversary several years ago. A special message from the Honourable Jason Nixon, Minister of Environment and Parks was presented by Deputy Minister Bev Yee, and acknowledgment of CASA's retiring directors.

CASA would like to thank retiring directors Brian Ahearn, Claude Chamberland, Rick Blackwood, Scott Wilson, and Wayne Ungstad for their work and contribution to CASA.

Special thanks to our sponsors the Canadian Fuels Association and Heartland Generation for sponsoring the event and made the evening one to remember!



CASA Approves a New Working Group

CASA's Board of Directors was presented with two statements of opportunity at the December board meeting from the Government of Alberta. A Best Practices Guide for Dust Management in Alberta project idea, and an Air Quality Management Symposium-CAAQS (Canadian Ambient Air Quality Standards) in Alberta project idea.

After discussions, the board approved the Air Quality Management Symposium-CAAQS in Alberta to form a working group. The working group will engage CASA sectors early in the process to determine realistic funding opportunities and the commitment to implement the potential outcomes of the work.

A call for members was sent out last December following the board meeting, and sector representatives were gathered to form a working group. This group has been meeting to scope a project charter for consideration and approval at a future board meeting.

Upcoming Events and Meetings

- April 16, 2020 - CASA Board Meeting, Calgary
- September 17, 2020 - CASA Board Meeting, Edmonton
- December 9, 2020 - CASA Evening Event, Edmonton
- December 10, 2020 - CASA Board Meeting, Edmonton

[Subscribe!](#)