

CASA Board of Directors Meeting
June 14, 2017, Calgary, Alberta

In attendance:

CASA Board Members and Alternates:

Ann Baran, NGO Rural
Bill Calder, NGO Urban
Carolyn Kolebaba, Local Government-Rural
Claude Chamberland, Oil and Gas Large Producers
Dan Thillman, Mining
David Spink, NGO Urban
Greg Moffatt, Chemical Manufacturers
Jim Hackett, Utilities

Martin Van Olst, Federal Government
Ronda Goulden, Provincial Government-Environment (for Andre Corbould)
Rich Smith, Agriculture
Ruth Yanor, NGO Industrial
Terry Rowat, Chemical Manufacturers
Wayne Ungstad, NGO Rural
Keith Denman, CASA Executive Director

CASA Secretariat:

Matthew Dance, Katie Duffett, Cara McInnis, Kim Sanderson

Guests:

Andre Asselin, Alberta Water Council
Karla Reesor, Alberta Airsheds Council
Sharon Willianen, Alberta Environment and Parks

Presenters:

Keith Denman, *Executive Director's Report* (Item 1.4); *System Mapping Exercise* (Item 2.3); *Performance Measures Committee* (Item 2.5); *2016 Annual Report* (Item 2.6); *CASA/Alberta Airsheds Council Update* (Item 2.7)

Rhonda Lee Curran and Alison Miller, *Non-Point Source Project Team* (Item 2.1)
David Spink, *Ambient Air Quality Objectives Committee* (Item 2.2)
Ronda Goulden, *Future CASA Work* (Item 2.4)
Karla Reesor, *CASA/Alberta Airsheds Council Update* (Item 2.7)

Regrets:

Ahmed Idriss, Utilities
Andre Corbould, Provincial Government-Environment
Andrew Read, NGO Industrial
Brian Ahearn, Petroleum Products
Brian Gilliland, Forestry
Cheryl Baraniecki, Federal Government
Chris Shandro, Provincial Government-Health
David Lawlor, Alternate Energy
Dawn Friesen, Provincial Government-Health
Holly Johnson-Rattlesnake, Aboriginal Government-First Nations
Humphrey Banack, Agriculture

Keith Murray, Forestry
Koray Önder, Oil and Gas Large Producers
Leigh Allard, NGO Health
Mary Onukem, Aboriginal Government-Métis
Peter Noble, Petroleum Products
Rick Blackwood, Provincial Government-Environment
Rob Beleutz, Mining
Scott Wilson, NGO, Consumer
Stacey Schorr, Provincial Government-Energy
Wade Clark, Provincial Government-Energy

Clean Air Strategic Alliance
Board of Directors Meeting
June 14, 2017

Executive Summary

The 2017 AGM was held immediately prior to this board meeting. At this board meeting, one new director and one new alternate were named: Stacey Schorr representing Provincial Government-Energy, and Chris Shandro representing Provincial Government-Health. The CASA office move to 14th floor South Petroleum Plaza is complete and went smoothly. No decision on a joint Executive Director for CASA and the Water Council had been announced by the time of this meeting.

Alberta Environment and Parks (AEP) advised that work related to ambient monitoring and the use of air quality data would be done in-house rather than through CASA. Dr. Fred Wrona, chief scientist with the Monitoring and Science Division, is expected to meet with the board in September to provide more insight into this approach and discuss any possible role for CASA. (This has not yet been confirmed)

The Non-Point Source Project Team presented its 17 draft recommendation themes in eight areas, with a focus on mobile sources. The team expects to complete its work this year but elements of the project are viewed as being a starting point. Not all non-point sources have associated draft recommendations and further work is needed in some areas. Next steps include finalizing the report and recommendations and completing the stakeholder engagement.

The board heard updates in several areas:

- The Ambient Air Quality Objectives (AAQO) Committee is focusing on five priority parameters: PM_{2.5}, ozone, SO₂, NO₂ and H₂S/TRS. The committee will report to the board in September with draft terms of reference.
- Follow-up on the recent systems mapping exercise continues, with the intent of having a product ready for board review in September.
- The 2016 performance measures assessment is nearly complete and will be presented at the September board meeting. The 2017 review will start in the fall.
- The 2016 CASA annual report is almost ready for final review and signoff by the executive, following which it will undergo design and be distributed electronically.
- Efforts continue between CASA and the Airsheds Council to clarify the role of CASA in endorsing new airsheds. The board will likely consider this matter further at a future meeting pending receipt of more information from AEP regarding its expectations and plans related to airsheds.

AEP indicated it sees the value of CASA and is considering proposing a project at the September board meeting that would build on the AAQO initiative to look at how to deal with non-attainment and manage tensions as airshed capacity becomes strained over the longer term.

The next CASA board meeting will be September 13, 2017 in Edmonton.

Clean Air Strategic Alliance

Board of Directors Meeting June 14, 2017

Minutes

Ronda Goulden convened the meeting at 10:00 a.m.

1 Administration

1.1 Approve Agenda

Ronda Goulden reviewed the agenda which was approved as distributed.

1.2 Minutes and Action Items from March 15, 2017

Andrew Read will be the alternate for NGO-Industrial, not NGO-Urban. With this amendment to the Executive Summary, the minutes of the March 15, 2017 meeting were approved.

The action item log was updated:

Action items	Meeting	Status
3.1 – CASA Priorities – IRMS Roadmap Secretariat will work with stakeholders to initiate an IRMS Roadmap working group and develop a Project Charter, to be presented to the board in September or December 2015.	June 17, 2015	Deleted; no longer applicable.
2.1 – State of the Air discussion The Secretariat will organize a meeting or workshop with board members and others once the climate change report is released.	Sept. 17, 2015	Deleted; no longer applicable, but could be brought forward again in future.
2.2 – CASA 2.0 Keith Denman will approach the Water Council to test interest in a possible joint initiative on a municipal environmental tool kit, and will begin a conversation with municipalities about their issues and the potential value of a tool kit to them.	Dec. 8, 2016	Ongoing. Keith has talked with various municipalities and was advised it would be prudent to wait until work on the revised MGA is complete before resuming conversations in early fall.
2.2 – CASA 2.0 The Secretariat will circulate a call for board members to help scope out work to be done on the AMSP topic, including how air quality data is used.	Dec. 8, 2016	AEP advised that this work will be done internally in the Monitoring and Science group and sent out for expert review. This group has a statutory obligation to report on the state of the environment. Funding is also a key element, as monitoring needs far exceed the funds available. Some stakeholder feedback may be sought in 2018. The board discussed whether it would be appropriate to send a letter to the Deputy Minister requesting clarification and

Action items	Meeting	Status
		<p>rationale as to why CASA or a CASA-like process is not being used, since that was a recommendation from the previous CASA team. Board members felt strongly that stakeholder input should be sought in a timely manner.</p> <p>Dr. Fred Wrona is being invited to the September board meeting to provide an update and to receive input from board members. It may be possible to also invite additional experts to participate in this discussion.</p> <p>The board agreed to discuss this item with Dr. Wrona in September and revisit any action after the presentation if necessary.</p>
1.2 – Minutes & Action Items The government mission analysis will be brought to the CASA board once it's been approved by the minister.	Mar. 15, 2017	Complete. The mission analysis is an internal document but the public version of this information is available in the now-published Business Plan.
2.1 – Non-point Source Katie Duffett will provide the board with a list of project team members and the list of key stakeholders identified to date.	Mar. 15, 2017	Complete
2.2 – Non-point Source Board members to provide any additional stakeholders for the communications workshop to Katie Duffett.	Mar. 15, 2017	Complete
2.3 – Non-point Source Katie Duffett will make the Technical Task Group report on non-point sources available to the board.	Mar. 15, 2017	Complete

1.3 New Representatives

One new director and one new alternate are joining the board: Stacey Schorr is the director representing Provincial Government-Energy, and Chris Shandro is the alternate representing Provincial Government-Health. Biographical information was distributed at the meeting.

1.4 Executive Director's Report and Financial Statements

Keith Denman directed the board to his report in the briefing book and briefly spoke to items that will not receive specific attention in other parts of the meeting. The Secretariat has completed the move to the 14th floor of South Petroleum Plaza, sharing space with the Alberta Water Council (AWC). The move went smoothly and Keith thanked the CASA and AWC staff as well as the GoA facilities staff for their help. A small problem remains with the switchboard menu on the

phones, but that is expected to be addressed with technical upgrades next year. The next step will be to streamline operations, some of which will be the responsibility of the new joint Executive Director who has yet to be announced. Keith reminded the board that both CASA and the AWC will continue as two independent organizations with their own boards, bylaws, and budgets. They will be looking at options for sharing equipment as leases expire. To date, there has been no discussion about merging the two organizations. CASA has some funds carried over from prior years. AEP has indicated the grant funding for about \$650,000 is in place for this year, but CASA has not yet received funds. The budget will be refined as work plans and shared operations with the Water Council are clarified. It will be important to ensure cost efficiencies and cost effectiveness as the next stages proceed.

2 Updates

2.1 Non-Point Source Project Team

Team co-chairs Rhonda Lee Curran and Alison Miller presented an update on the NPS work, with reference to handouts of their slides and to the briefing book materials. The team is on track to complete its work this year, having expended considerable effort to identify the NPS opportunities where the most value could be added. This work is viewed as a starting point and not all NPS have associated draft recommendations. Rhonda Lee and Alison presented the eight main areas in which 17 draft recommendation themes are being considered, and described the background and rationale for each theme area. The main focus was on mobile emission sources (on-road light duty and heavy duty vehicles). Next steps will be to finalize the recommendations and complete stakeholder engagement, continue drafting the final report for presentation at the September board meeting, and continue ongoing communications with the board and others about the project and the recommendations.

Discussion

- Firewood is not now covered by a carbon tax. As taxes rise on other fuels, are people likely to move to firewood?
 - We are aware of the wood-burning issue and that will be presented as context in the report and recommendations. The intent is to target masonry fireplaces, which have much higher emissions than wood stoves. The Building Code does not permit homes to be built with only wood as the heating fuel.
- We see companies with SmartWay branding on their vehicles; as part of the team's recommendations, will government be encouraged to create incentives for companies to adopt this program?
 - The SmartWay program is voluntary. SmartWay members can be used preferentially, but tampering also needs to be addressed. An emissions testing study is intended to identify the highest emitting vehicles and further management action can be taken to target those rather than all vehicles.
- Are high efficiency internal combustion engine vehicles also considered in the transportation recommendations?
 - In addition to increasing uptake of hybrids and electric vehicles, we will acknowledge in the report that newer gas vehicles are much more efficient than older models.
- Tampering occurs when technology does not work as it is intended and expected to work. As truck fleets are modernized, this problem will be solved.

- In addition to wood-burning sources, some facilities burn other fuels such as used oil, and this creates local air quality issues. There may be an opportunity to look at these too.
- Is there any obligation for private owners of heavy duty vehicles to follow the recommendation (e.g., agricultural vehicles)?
 - They are not excluded from the recommendations, but the focus is on future model year vehicles. As owners invest in new equipment over time, we expect to see improvements.
- There can be local issues where dust results from an acceptable industrial activity but drifts beyond the boundaries of the property. How can this be addressed?
 - The driver for these standards is regional air quality. Good management practices are required and certainly more needs to be done.
- Ozone formation depends on VOCs and NOx. In urban areas, NOx limits the reaction, so there may be a bigger return by reducing NOx rather than VOCs.
 - We don't have a clear answer on this, but we know there is a trade-off, which is why the recommendation is written as it is. The technical task group recognized that this is one of the gaps and we need a better understanding of where to get the "biggest bang for the buck."
- This team has considerably advanced our understanding and it's good to see practical recommendations. Will there be any consideration about the need for AEP to do more work on speciation?
 - Yes, we will be looking at this.

2.2 Ambient Air Quality Objectives Committee

David Spink presented an update on the Ambient Air Quality Objectives (AAQO) work. Last fall, AEP proposed that the advisory committee be housed in CASA, and that CASA would provide the consultation service for work on new priority substances. The board agreed and formed the AAQO committee. The committee is working on terms of reference and expects to bring a draft to the board in September. Three subgroups are looking at the priority parameters: (1) PM_{2.5} and ozone, (2) SO₂ and NO₂, and (3) H₂S/TRS (total reduced sulphur). The first four substances (PM_{2.5}, ozone, SO₂ and NO₂) all have AAQOs. PM_{2.5}, ozone and SO₂ have Canadian Ambient Air Quality Standards (CAAQS). A NO₂ CAAQS is under development. AEP wants to ensure the two sets of objectives and standards are complementary. There are no CAAQS for H₂S and TRS but these substances are an issue and Alberta Health has identified them as a priority and wants to determine how they should be addressed. AAQOs affect industry and the committee would like to add industry members in addition to the electricity sector. AEP has always tried to get consensus on the committee and the same effort will be made here. If consensus is not achieved, AEP will consider the committee's advice and stakeholder input and will make a decision.

Discussion

- How does this work align with land use planning work?
 - AAQOs are a key aspect when developing an air quality management framework for a specific land use plan. The Lower Athabasca Regional Plan, for example, covers NO₂ and SO₂ and that framework will likely have to be updated to align with the CAAQS.
- When airsheds and others measure H₂S and TRS, what do they do with their results?

- There is a gap at present as limits for one can't be applied to the other. For some industries, H₂S is not an appropriate parameter to measure reduced sulphur and Alberta is not the only jurisdiction with this issue.
- An economic and social component should be included in this work.

Several industry members indicated they would work with their sectors to secure representation on this committee and Keith Denman will follow up by forwarding the names of interested members to the committee.

2.3 Systems Mapping Update

Keith Denman reviewed the process through which this work was initiated and the facilitated discussion that occurred at the March board meeting. A small multi-stakeholder group met subsequently and went through the material from that exercise to organize it without forcing it into a particular structure and this work is not yet done. Keith briefly described some of the components and topics that arose in the workshop, noting various questions that still need answers. The product of this work will feature both text and diagrams; the challenge will be to capture enough helpful detail but not bury people with content. The completed document is expected to be ready for the board in September. One board member commented that this was a meaningful exercise and that CASA is likely to continue to be a valuable organization for AEP to consult with and test new policy ideas.

2.4 Future CASA Work

Ronda Goulden advised that AEP hopes to bring forward a Statement of Opportunity (SOO) at the September meeting. AEP sees the value of CASA and wants to determine how the input it provides can extend beyond board members to bring in other stakeholders. The GoA needs assurance that CASA consensus recommendations go beyond just those at the table. The GoA is assessing how funds are spent both internally and allocated to other organizations it supports to ensure there is value and to identify where improvements are possible. NPS work was one opportunity where the GoA thought CASA could add value through its collaborative approach, and it's clear that this work is coming together very well. Consequently, AEP will not bring forward another NPS SOO, but will rather support the ongoing work with a new team focusing on areas identified in the recommendations. The work on AAQOs was also a critical piece and a follow-up area of work may be to look at how to deal with non-attainment and manage tensions in a system of competing interests; e.g., allowing an old plant with higher emissions to continue to operate in an airshed that is "full" while turning down a much more efficient new facility. How is space in an airshed allocated? The notion of allocation is just a musing at present, but GoA is thinking about these things, recognizing that the pressure is not yet intense, but is expected to grow and we need to consider how we will meet the CAAQS. A challenge is how do we help air players understand the pressures on airsheds and could CASA contribute to addressing these issues?

Discussion

- With respect to future work, the Electricity Management Framework calls for five-year reviews, and the next one will be due next year. The electricity business is changing quickly and many aspects could be looked at as part of the five-year review. Further, the matter of emission limits for gas-fired units remains outstanding from the two prior

reviews. More of these will be coming on, so we need to determine what those standards will be. We had consensus on this comprehensive framework but if the GoA starts to change it, that broad consensus will be lost. The framework is important and has a lot of benefits. Does AEP have a plan for the Electricity Framework review?

- AEP: I can't speak to the framework *per se*, but standards are front and centre. The question is: where is the best place for the work to be done and how do we get a broad stakeholder perspective? It's a big challenge to keep up with what is happening in Alberta Energy. We hope there can be a comment from them in September.
- The board could start to identify people who might be involved with the potential work on CAAQS and non-attainment so the process can be expedited when the SOO does come to the board. These individuals could potentially provide input to the SOO, and the work could be further refined in the team charter.

Action: Keith Denman will clarify the potential future CASA work and sequencing with AEP then, if appropriate, circulate an email to board members with a specific request and timeframe.

2.5 Performance Measures Committee

Keith Denman reported that work on the 2016 assessment is nearly complete, and there will be a full presentation at the September board meeting. Keith briefly reviewed each of the PMs and provided a short status report, noting that performance is good in most areas. Work on the 2017 review will likely start in September. A new government member has been appointed to the committee and the hope is to have an industry member in place by then.

2.6 2016 Annual Report

Keith Denman reported that work on the 2016 annual report was slightly delayed this year but the report is expected to be ready in the next month. Comments have come in from the Communications Committee and text is being revised. The text will be finalized then the report designed internally before going to the executive for final approval. The report will be circulated electronically again this year. Although no formal decision was requested, the board generally agreed with this approach.

2.7 CASA/Alberta Airsheds Council (AAC) Update

Keith Denman and Karla Reesor gave a brief update on the draft MOU between CASA and the AAC. Four key areas were identified and three have been addressed in the current draft. The outstanding item is the process for recognizing and endorsing new airsheds. Keith reviewed the history of CASA's relationship with airsheds, noting that initially airsheds that followed the general CASA criteria and principles were endorsed by the board. At that time, there were approval and funding implications that were viewed as enhancing the credibility of an airshed if it followed the CASA guidelines and was CASA-endorsed. Now that airshed organizations are well-established, CASA endorsement may be less important and relevant. A new group has been formed in the Peace River area using the CASA criteria but did not seek CASA endorsement because it was never suggested to them that they should. They went to the AAC because they wanted to be part of that network and share information. They are willing to work with CASA and seek endorsement if there is value in doing so, but lack of CASA endorsement is not

preventing them from operating. CASA would not likely turn them down, but the question remains as to whether endorsing airsheds is an appropriate role for CASA. Airsheds as a whole provide data to AEP for use in compiling the Air Quality Health Index, which is valuable to Albertans. The AAC annual report (online at <https://www.albertairsheds council.ca/featured-resources/>) provides additional information on each airshed. The AAC website also includes links to each airshed for those who want more information and details.

Discussion

- Airsheds are working closely with AEP's Monitoring and Science division as they look at options for community-based monitoring.
- The NPS team has had very good and substantial contributions from airsheds, so there is a lot of room for productive collaboration.
- What is the accountability and role of the CASA board on this matter? Are airsheds accountable to CASA? Can we revoke an endorsement? How do we ensure airsheds are doing what they said they would do? These questions need to be sorted out.
- Initially there were many good reasons why CASA had an interest in how airsheds were structured and how they operated and we need to consider if those things still apply. The monitoring role of airsheds vs. the role of AEP is not always clear. At one time, AEP was represented on all airshed boards.
- This discussion needs to involve Dr. Wrona in the Monitoring and Science division to clarify the extent to which AEP will be relying on airsheds. That could affect the CASA board decision.

Action: Keith Denman will follow up with AEP to clarify the views and expectations of the Monitoring and Science Division with respect to airsheds.

3 New/Other Business

3.1 New/Other Business

No new or other business was identified.

3.2 Updated Mailing and Membership Lists

The updated membership lists were included in the briefing package. Board members were asked to contact the Secretariat if any changes or corrections were needed.

3.3 Evaluation Forms

Members were asked to complete meeting evaluation forms for review by the Executive.

The next CASA board meeting will be September 13, 2017 in Edmonton.

The meeting adjourned at 1:50 p.m.

Action Items

Action items	Meeting	Status
2.2 – CASA 2.0 Keith Denman will approach the Water Council to test interest in a possible joint initiative on a municipal environmental tool kit, and will begin a conversation with municipalities about their issues and the potential value of a tool kit to them.	Dec. 8, 2016	Ongoing. Keith has talked with various municipalities and was told it would be prudent to wait until work on the revised MGA is complete before resuming conversations in early fall.
2.2 – CASA 2.0 The Secretariat will circulate a call for board members to help scope out work to be done on the AMSP topic, including how air quality data is used.	Dec. 8, 2016	This work will be done internally at AEP. Any further action by CASA will be considered following the September presentation and discussion with Dr. Fred Wrona.
2.4 – Future CASA Work Keith Denman will clarify the potential future CASA work and sequencing with AEP then, if appropriate, circulate an email to board members with a specific request and timeframe.	June 14, 2017	
2.7 - CASA/Alberta Airsheds Council Keith Denman will follow up with AEP to clarify the views and expectations of the Monitoring and Science Division with respect to airsheds.	June 14, 2017	