

**Clean Air Strategic Alliance – Annual General Meeting**

**Clean Air Strategic Alliance  
McDougall Centre  
Rosebud Room  
455 6 St SW Calgary, AB T2P 4A2  
June 14, 2017**

**AGM Agenda**

	<b>1.0 ANNUAL GENERAL MEETING</b>	<b>1</b>
9:30 – 10:00 (30 min)	<b>1.1 Welcome, Approve AGM Agenda</b> <i>Objective: Convene Annual General Meeting and approve agenda.</i>	
	<b>1.2 Minutes of Last Annual General Meeting</b> <i>Objective: Approve minutes from the last Annual General Meeting on June 15, 2016.</i>	
	<b>1.3 CASA Membership</b> <i>Objective: Reaffirm the membership of CASA’s board of directors.</i>	
	<b>1.4 Audited 2016 Financial Statements</b> <i>Objective: Accept CASA’s 2016 audited financial statements (Presented at the March Board meeting)</i>	

*CASA Annual General Meeting*  
**June 15, 2016, Calgary, Alberta**

**In attendance:**

**CASA Board Members and Alternates:**

Bill Calder, NGO Urban  
Brian Ahearn, Petroleum Products  
Carolyn Kolebaba, Local Government-Rural  
Cheryl Baraniecki, Government Federal  
Chris Severson-Baker, NGO Industrial  
Claude Chamberland, Oil and Gas Large Producers  
David Lawlor, Alternate Energy  
David Spink, NGO Urban  
Jim Hackett, Utilities

Leigh Allard, NGO Health  
Peter Noble, Petroleum Products  
Rick Blackwood, Provincial Government-Environment  
Rob Beleutz, Mining  
Ruth Yanor, NGO Industrial  
Terry Rowat, Chemical Manufacturers  
Keith Denman, CASA Executive Director

**CASA Secretariat:**

Amanda Stuparyk, Cara McInnis, Warren Greeves, Kim Sanderson (contractor)

**Guest:**

Brian Free, Alberta Environment and Parks

**Regrets:**

Ahmed Idriss, Utilities  
Andre Corbould, Provincial Government-Environment  
Ann Baran, NGO Rural  
Brian Gilliland, Forestry  
Dan Hall, Chemical Manufacturers  
Dan Thillman, Mining  
Dawn Friesen, Provincial Government-Health  
Doug Lammie, Provincial Government-Energy  
Holly Johnson-Rattlesnake, Aboriginal Government-First Nations

Humphrey Banack, Agriculture  
Keith Murray, Forestry  
Linda Mattern, Provincial Government-Health  
Koray Önder, Oil and Gas Large Producers  
Martin Van Olst, Federal Government  
Mary Onukem, Aboriginal Government-Métis  
Rich Smith, Agriculture  
Scott Wilson, NGO, Consumer  
Wade Clark, Provincial Government-Energy

**Clean Air Strategic Alliance  
Annual General Meeting  
June 15, 2016**

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**Draft Minutes**

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David Lawlor convened the meeting at 9:43 a.m., welcoming everyone to the AGM. Those present introduced themselves.

1 Administration

**1.1 Approve Agenda**

The Chair reviewed the agenda, which was approved by consensus.

**1.2 Minutes of Last Annual General Meeting, June 17, 2015**

The 2015 AGM minutes were approved by consensus.

**1.3 CASA Membership**

The current CASA board consists of 22 sectors including nine from industry, five from non-government organizations and eight from government (including provincial, federal, local and aboriginal governments). The Chair reviewed the current vacancies on the board for directors and alternates. There are two director vacancies (Local Government – Urban, and Oil and Gas – Small Producers) and eleven alternate vacancies (NGO Health, NGO Rural, Mining, Oil and Gas – Large Producers, Local Government – Rural, Alternate Energy, Aboriginal Government - First Nations, Aboriginal Government – Métis, Consumer/Transportation, Local Government – Urban, and Oil and Gas – Small Producers). The board briefly discussed CASA membership. It is important that urban government be represented on CASA, especially given the importance of the CAAQS; increased efforts should be made to arrange for this position to be filled. CASA has actively reached out to the Alberta Urban Municipalities Association (AUMA) but the organization has a number of other issues it is responding to at the present time. Efforts to re-engage the AUMA will continue.

The Secretariat will revise the membership table to ensure that sector names are updated to reflect organization name changes made in the last year (i.e., Alberta Environmental Protection and Environment and Climate Change Canada).

***The board approved the structure and composition of the board by consensus.***

**1.4 CASA Bylaws**

Keith Denman brought to the board's attention that some CASA board members have been absent for a number of consecutive meetings and the executive has considered how best to address this matter. CASA bylaws describe a process for removing a Member (sector) if such Member has "failed to contribute to the goals and objectives of the Society." However, there is no mechanism to remove the Member's representative. Repeated efforts have been made to re-engage the sectors in question but their representatives are still not attending and only the sector can make the decision to change its representative. Staff have examined bylaws of other not-for-profit organizations to determine how they have dealt with this issue. CASA could choose to

amend its bylaws to include a clause that addresses expulsion of a particular representative. Keith noted that the current bylaws have not been a barrier to participation. The board discussed potential options, noting the following comments:

- One internal CASA performance measure indicates poor government attendance because one of the vacant seats is from the Government sector, as are several of the inactive groups. Concern was expressed that this may reflect poorly on the entire government sector. It was suggested that the measure could be changed to better reflect the actual situation.
- CASA should look at the Alberta Water Council approach in which each organization is asked to annually confirm its membership in the society. A letter requesting this confirmation is sent to a senior person in the organization.
- CASA needs to be sensitive as to how indigenous organizations wish to participate. Their desire is to have government-to-government relations so some First Nations or indigenous organizations may prefer to engage at a higher level (e.g., Minister to Grand Chief). Others that are working directly on air quality issues may be more likely to participate in CASA. CASA should consider ways to enable different categories of membership or different kinds of participation. The executive needs to look at how indigenous groups are currently engaged and see what improvements could be made.
- CASA should have the ability to deal with individual representatives who have not attended for a long period of time and the outcome should be automatic; that is, if someone misses “X” consecutive meetings, they are required to step down. People accept this condition when they join, then it does not become a discretionary matter. However, some organizations have an appeal process whereby a person can be reinstated if they agree to certain conditions, and this could be part of any bylaw amendment.
- Even if the board was given the legal authority to expel a representative without removing the Member organization, what would happen next? The board cannot nominate another person from that organization. If CASA remains a strong, successful and influential organization, people will want to be part of it and that is a better approach than banning individuals.

**Action: The executive will:**

- a) look at potential wording changes to the bylaws, including requiring Members to affirm their commitment and participation on an annual basis, and options for expelling a representative if he or she is not participating. Bylaws of other organizations will be examined in this process**
- b) reflect on CASA’s approach to engaging indigenous organizations and how this approach could be improved**

**The executive will report back to the September board meeting on its findings.**

## **1.5 Audited 2015 Financial Statements**

The audited 2015 financial statements were received for information at the March 2016 board meeting. Ruth Yanor moved and Claude Chamberland seconded approval of the 2015 audited financial statements; carried.

## **1.6 Auditor for 2016**

CASA requests quotes for its audit every three years, and this was done in early 2016. The executive reviewed the quotes and recommends that Hawkings Epp Dumont LLP be appointed as auditors for 2016. Brian Ahearn moved and Peter Noble seconded appointment of Hawkings Epp Dumont LLP as CASA auditors for the 2016 fiscal year; carried.

The 2016 Annual General Meeting adjourned at 10:17 a.m. and was followed by the regular meeting of the board.

<b><u>Action Item</u></b>	<b><u>Who</u></b>	<b><u>Due</u></b>	<b><u>Status</u></b>
1. Look at potential wording changes to the bylaws, including requiring Members to affirm their commitment and participation on an annual basis, and options for expelling a representative if he or she is not participating. Bylaws of other organizations will be examined in this process	Executive	September 2016	
2. Reflect on CASA's approach to engaging indigenous organizations and how this approach could be improved	Executive	September 2016	

**Clean Air Strategic Alliance – Board Meeting**

**McDougall Centre  
Rosebud Room  
455 6 St SW Calgary, AB T2P 4A2**

**June 14, 2017**

**Agenda**

8:30 – 9:30 (60 min)	<b><u>Caucus Meetings</u></b> Government – Rosebud Room Industry – Siksika Room NGO – Lougheed Room
9:30 – 10:00 (30 min)	The Annual General Meeting will be held from 9:30 – 10:00 am and the business meeting of the board will follow.
	<b>2.0 ADMINISTRATION 2</b>
10:00 – 10:05 (5 min)	<b>2.1 Convene Business Meeting and Approve Agenda</b> <i>Objective: Convene business meeting and approve agenda.</i>
10:05 – 10:15 (10 min)	<b>2.2 Minutes and Board Action Items from March 15, 2017</b> <i>Objective: Approve minutes and review the action items from the March 15, 2017 board meeting.</i>
	<b>2.3 New Representatives</b> <i>Objective: Introduce and welcome new CASA board representatives.</i> 1. Stacey Schorr
10:15 – 10:30 (15 min)	<b>2.4 Executive Director’s Report/Financial Statements</b> <i>Objective: Receive a report on secretariat activities, income and expense statements, budget update and provide any feedback.</i>
10:30 – 10:45 (15 min)	<b>BREAK</b>
	<b>3.0 Project Management &amp; Strategic Planning 3</b>
10:45 – 11:45 (60 min)	<b>3.1 Non-Point Source Project Team</b> <i>Objective: Receive an update from the Non-Point Source Project Team</i>
11:45 – 12:00 (15 min)	<b>3.2 Ambient Air Quality Objectives Committee Update</b> <i>Objective: Receive an update from the AAQO Committee</i>
12:00 – 1:00 (60 min)	<b>LUNCH</b>
1:00 – 1:30 (30 min)	<b>3.3 Systems Mapping Update</b> <i>Objective: Update and discussion on Systems Mapping and future work</i>

- 1:30 – 2:00  
(30min)      **3.4 Future CASA Work**  
*Objective: Receive information on upcoming CASA Statements of Opportunity from AEP.*
  
- 2:00 – 2:15  
(15 min)      **3.5 Performance Measures Committee**  
*Objective: Receive an update from the Performance Measures Committee for 2016.*
  
- 2:15 – 2:30  
(15 min)      **3.6 2016 Annual Report**  
*Objective: Process to approve the draft 2016 CASA Annual Report*
  
- 2:30 – 2:45  
(15 min)      **3.7 Update on Alberta Airsheds Council**  
*Objective: Receive an update on the CASA/Airsheds Council MOU*

	<b>4.0 NEW/OTHER BUSINESS</b>	<b>4</b>
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- 2:45 – 3:00  
(15 min)      **4.1 New/Other Business**  
*Objective: Introduce new business and/or complete any unfinished business of the day.*
  
- 4.2 Updated Board Mailing and Membership Lists**  
*Objective: Provide up-to-date information on CASA board members.*
  
- 4.3 Project Team & Committee Membership Lists**  
*Objective: Provide a current list of members on project teams and committees.*
  
- 4.4 Evaluation Forms**  
*Objective: Provide time for board members to fill out their evaluation forms.*

3:00 Meeting Adjourn



*CASA Board of Directors Meeting*  
**March 15, 2017, Edmonton, Alberta**

**In attendance:**

**CASA Board Members and Alternates:**

Ahmed Idriss, Utilities  
Andrew Read, NGO Urban  
Ann Baran, NGO Rural  
Bill Calder, NGO Urban  
Brian Ahearn, Petroleum Products  
Cheryl Baraniecki, Federal Government  
Claude Chamberland, Oil and Gas Large Producers  
David Lawlor, Alternate Energy  
David Spink, NGO Urban  
Humphrey Banack, Agriculture  
Keith Murray, Forestry

Leigh Allard, NGO Health  
Martin Van Olst, Federal Government  
Peter Noble, Petroleum Products  
Rich Smith, Agriculture  
Rick Blackwood, Provincial Government-Environment  
Ruth Yanor, NGO Industrial  
Terry Rowat, Chemical Manufacturers  
Wayne Ungstad, NGO Rural  
Keith Denman, CASA Executive Director

**CASA Secretariat:**

Karen Bielech, Matthew Dance, Katie Duffett, Cara McInnis

**Guests:**

Andre Asselin, Alberta Water Council  
Bob Myrick, Alberta Environment and Parks  
Brendan Schiewe, Alberta Health  
Corinna Mulyk, Alberta Transportation  
Elizabeth Bell, Peace Airshed Zone Association  
Ike Edeogu, Agriculture and Forestry  
Karla Reesor, Alberta Airsheds Council  
Sharon Willianen, Alberta Environment and Parks

**Presenters:**

Keith Denman, *2016 Audited Financial Statements (Item 1.3), Executive Director's Report (Item 1.6)*  
Andrew Read, *Non-Point Source (Item 2.1)*  
David Spink, *Ambient Air Quality Objectives Committee (Item 2.2)*

**Regrets:**

Andre Corbould, Provincial Government-Environment  
Brian Gilliland, Forestry  
Carolyn Kolebaba, Local Government-Rural  
Dan Thillman, Mining  
Dawn Friesen, Provincial Government-Health  
Greg Moffatt, Chemical Manufacturers  
Holly Johnson-Rattlesnake, Aboriginal Government-First Nations  
Jim Hackett, Utilities

Koray Önder, Oil and Gas Large Producers  
Linda Mattern, Provincial Government-Health  
Mary Onukem, Aboriginal Government-Métis  
Rob Beleutz, Mining  
Scott Wilson, NGO, Consumer  
Steve Tkalcic, Provincial Government-Energy  
Wade Clark, Provincial Government-Energy

## Clean Air Strategic Alliance

### Board of Directors Meeting March 15, 2017

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#### Executive Summary

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Andrew Read and Wayne Ungstad will be joining the CASA Board as the alternate representatives for NGO Urban and NGO Rural, respectively.

The 2016 financial audit was successful and the financial records, provided at this meeting, will be formally presented at the Annual General Meeting in June for acceptance.

As Chris Severson-Baker stepped down from his position as NGO Vice President at the previous meeting, Bill Calder was nominated and will serve as the NGO Vice President until March 2019.

Progress towards CASA's move to the South Petroleum Plaza building is underway. The Alberta Water Council and CASA are working together to determine administrative efficiencies between the organizations and the office space is being renovated to ensure the meeting room can accommodate a project team.

The Non-Point Source Project Team provided an update. The project is on schedule and the team is in the process of refining potential management actions and engaging key stakeholders for feedback. They are also planning a communications workshop in April to coordinate messaging and identify partnerships among the organizations involved in education, awareness, and communication campaigns related to non-point sources.

The Ambient Air Quality Objectives Committee was formed following the previous board meeting and has had an initial meeting. A terms of reference will be drafted and provided to the board for the June meeting. They are focusing on five primary air quality parameters and are gathering available information for use in work plan development.

The remainder of the meeting was dedicated to a systems mapping exercise. Details on the workshop are available in the workshop summary document.

The next CASA Board meeting will be June 14<sup>th</sup>, 2017 in Calgary.

**Clean Air Strategic Alliance  
Board of Directors Meeting  
March 15, 2017**

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**Minutes**

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Peter Noble convened the meeting at 9:30 a.m.

1 Administration

**1.1 Approve Agenda**

Peter reviewed the agenda which was approved as distributed.

**1.2 Minutes and Action Items from December 2016**

The minutes of the December 8<sup>th</sup>, 2016 meeting were approved as distributed.

The action item log was updated, as follows:

<b>Action items</b>	<b>Meeting</b>	<b>Status</b>
<b>3.1 – CASA Priorities – IRMS Roadmap</b> 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	On hold.
<b>2.1 – State of the Air discussion</b> The Secretariat will organize a meeting or workshop with board members and others once the climate change report is released.	Sept. 17, 2015	On hold.
<b>2.2 – CASA 2.0</b> The Secretariat will organize a systems mapping workshop for Q1 of 2017.	Dec. 8, 2016	Complete. The systems mapping workshop will follow the board meeting.
<b>2.2 – CASA 2.0</b> 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. Feedback has been largely positive and supportive of work on a tool kit. Keith will contact the Miistakis Institute to determine if CASA can partner with their existing municipal toolkit proposal (not yet funded).
<b>2.2 – CASA 2.0</b> 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	On hold pending internal government conversations with the Monitoring and Science department.

Action items	Meeting	Status
<p><b>3.1 – Ambient Air Quality Objectives Committee</b> Keith Denman will contact the board to identify members for the Ambient Air Quality Objectives Stakeholder Advisory Committee.</p>	Dec. 8, 2016	Complete. The group met on March 13 <sup>th</sup> .
<p><b>4.1 – Airshed Endorsement</b> Keith Denman and Karla Reesor will have discussions with the Monitoring and Science Division and with the ACC about possible ways to proceed and report back to the board. Keith will also ensure airsheds are invited to participate in the roles and responsibilities workshop.</p>	Dec. 8, 2016	Complete. CASA and the AAC are drafting an MOU that will outline how CASA, the airsheds and the Airsheds Council will work together.

During the review of the Action Items a further item was added to ensure that the following item not be lost:

**Action Item: The Government mission analysis will be brought to the CASA board once it has been approved by the minister.**

### 1.3 2016 Audited Financial Statements

Keith Denman directed the board to the financial statements in the briefing book. The audit was complete and no issues were found.

The 2016 budget was not fully spent because some planned projects were not initiated on planned timelines. CASA has proposed the surplus be moved to the external project funding to be allocated as needed, but the request has not yet been approved. The Non-Point Source Project Team currently has funding available which they may not use, but the Ambient Air Quality Objectives Committee may require additional budget. They will have further discussions on budget and timelines during their next meeting.

The application for 2017 funding has been submitted to government but there has not been a response to date.

The financial statements will be presented at the June Annual General Meeting for formal acceptance. Board members were asked to contact Keith Denman if they have any questions or concerns.

There was a question regarding whether or not the \$220,000 budget item for use in the event of an organizational shut down was sufficient. The number is recalculated every year and is based on finishing existing equipment contracts, file management, legal issues, and severance pay for staff.

It was noted that the pending CASA office move will be largely funded by government but CASA has a \$12,000 budget item for moving and related expenses.

## **1.4 New Representatives**

The board welcomed two new alternate members: Andrew Read from the Pembina Institute and Wayne Ungstad from the Notinto Sipy Conservation Authority.

## **1.5 Executive Membership**

At the previous board meeting Chris Seversen-Baker stepped down from the Pembina Institute and from his position as Vice President. Bill Calder was nominated as the new Vice President.

***Decision: Bill Calder will serve as the NGO Vice President on the CASA Executive Committee until March 2019.***

## **1.6 Executive Director's Report**

Keith Denman directed the board to his report in the briefing book. He reviewed current staffing arrangements and noted that Sarah Hanlon will not be returning to CASA on the originally planned schedule. The position will not be held indefinitely, but to fill the gap for the next few months Matt Dance will continue working for CASA on a part-time contract basis. A new full time project manager may be required depending on which projects are initiated in 2017.

Progress is continuing related to CASA's move to the South Petroleum Plaza into shared office space with the Alberta Water Council. The boardroom in the office space isn't large enough to accommodate a project team, so renovations are being made to enlarge the existing Board Room. Much of the furniture in the CASA office will not be moved due to space constraints and the Secretariat is looking into options for donating the extra furniture and equipment. The files stored in the CASA office are being reviewed and organized for storage at Iron Mountain. The organizations are still in the process of determining how they will work together for day to day administration.

At a future meeting the board may want to consider determining an appropriate amount of time for old files to be kept in hard copy to minimize the amount of files stored at Iron Mountain.

The Performance Measures Committee is continuing to operate in 2017 using the same processes as in 2016. Any board members who wish to participate were asked to contact Keith Denman or Ruth Yanor.

## **2 Updates**

### **2.1 Non-Point Source**

Andrew Read provided an update on the work being completed by the Non-Point Source Project Team. The Project Team is currently engaged in detailed discussions on potential management actions and are identifying key stakeholders to contact for feedback. The project is still on course

for completion in September 2017 but the schedule is aggressive and requires ongoing engagement and commitment from project team members to deliver the final recommendations.

The project team is focusing their discussions on the following non-point sources: transportation (including personal vehicles, on-road heavy duty vehicles, and off-road equipment), residential wood burning, open-air burning, agriculture, gasoline distribution, and construction and road dust.

Communication is a key aspect being considered by the project team. A communications strategy was drafted by the team and some materials are being developed. A backgrounder document was distributed to the board members and the project team welcomes any feedback. A message map is being drafted and will be provided to the board in June. A workshop is being held in April with the objective of engaging different organizations involved in air quality communication and outreach to determine potential partnerships.

A more detailed update on the draft recommendations will be provided to the board during the June meeting.

Discussion:

- The focus of the recommendations and communications initiatives should be on areas which are not currently regulated and aren't going to be regulated elsewhere.
- The communications work should educate the public. The Non-Point Source Project Team is working on coordinating communication with groups currently engaged in communications/awareness/educational programs, many of these target the general public.
- The board requested information on both the Non-Point Source Project Team membership and the list of key stakeholders identified for feedback.
- Parks Canada was identified as a potential stakeholder related to open-air burning.

**Action Item 2.1: Katie Duffett will provide the board with a list of project team members and the list of key stakeholders identified to date.**

**Action Item 2.2: Board members to provide any additional stakeholders for the communications workshop to Katie Duffett.**

**Action Item 2.3: Katie Duffett will make the Technical Task Group report on non-point sources available to the board.**

## **2.2 Ambient Air Quality Objectives Committee**

David Spink provided an update on the initial meeting of the Ambient Air Quality Objectives Committee.

At the board meeting in December there was a decision to form a committee with the intent of filling the stakeholder advisory component of setting ambient air quality objectives. The

committee mandate is to look at five air quality parameters: PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>2</sub>, ozone, and hydrogen sulfide/total reduced sulfur.

The committee will draft a terms of reference for discussion at the June board meeting. The committee will form three subgroups: one for particulate matter and ozone, a second for NO<sub>2</sub> and SO<sub>2</sub>, and a third for hydrogen sulfide/total reduced sulfur. The subgroups will gather the information available for their air quality parameters and come back to the committee for development of a work plan.

The committee has good representation from the fuel and oil and gas sectors, but is lacking membership from other industry sectors. The air quality parameters being considered by the group have implications for all industry sectors, so the board was asked to consider whether or not their sector should have membership in the committee. Representation from Environment Canada was also being sought.

The next meeting of the committee will be in June.

Discussion:

- There will be an opportunity to include additional air quality parameters during the next priority setting exercise.
- A budget for the group hasn't been determined.

### **3 New/Other Business**

#### **3.1 New/Other Business**

CASA is hosting an interest based negotiation workshop in Calgary on April 19<sup>th</sup> and 20<sup>th</sup>. The session will be facilitated by Ian Montgomery. The aim of the workshop is to help people understand the consensus based process and how to effectively participate.

#### **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/corrections were needed.

### 4 Systems Mapping

#### **4.1 Systems Mapping Workshop**

The Systems Mapping Workshop occurred for the remainder of the meeting and was facilitated by Wayne Crosby. Details on the workshop are available in the workshop summary document to be distributed to the board following the meeting.

### 6 Evaluations

#### **6.1 Evaluation Forms**

Members were asked to complete evaluation forms for the meeting. These responses are valued and will be reviewed by the Executive Committee at its next meeting.

The meeting adjourned at 3:30pm.

The next CASA board meeting will be June 14<sup>th</sup>, 2017 in Calgary.

**Action Items**

<b>Action items</b>	<b>Meeting</b>	<b>Status</b>
<b>3.1 – CASA Priorities – IRMS Roadmap</b> 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	On hold.
<b>2.1 – State of the Air discussion</b> The Secretariat will organize a meeting or workshop with board members and others once the climate change report is released.	Sept. 17, 2015	On hold.
<b>2.2 – CASA 2.0</b> 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. Feedback has been largely but not entirely supportive of work on a tool kit. Keith will contact the Miistakis Institute to determine if CASA can partner with their existing municipal toolkit proposal.
<b>2.2 – CASA 2.0</b> 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	On hold pending internal government conversations with the Monitoring and Science department.
<b>1.2 – Minutes &amp; Action Items</b> The government mission analysis will be brought to the CASA board once it’s been approved by the minister.	Mar. 15, 2017	
<b>2.1 – Non-point Source</b> 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	
<b>2.2 – Non-point Source</b> Board members to provide any additional stakeholders for the communications workshop to Katie Duffett.	Mar. 15, 2017	



<b>Action items</b>	<b>Meeting</b>	<b>Status</b>
<p><b>2.3 – Non-point Source</b>                      Katie Duffett will make the Technical Task Group report on non-point sources available to the board.</p>	<p>Mar. 15, 2017</p>	



## CASA Board Meeting – Systems Mapping Workshop

**Date:** Wednesday, March 15<sup>th</sup>, 2017

**Time:** 10:30 – 15:30

**Place:** 6<sup>th</sup> Floor Center West Building, 10035 – 108 Street, Edmonton

**Facilitator:** Wayne Crosby

### IN ATTENDANCE

Name	Sector
Ahmed Idriss	Utilities
Andre Asselin	Alberta Water Council
Andrew Read	NGO (Urban)
Ann Baron	NGO (Rural)
Bill Calder	NGO (Urban)
Bob Myrick	Provincial Government (Environment)
Brendan Schiewe	Provincial Government (Health)
Brian Ahearn	Petroleum Products
Cheryl Baraniecki	Federal Government
Claude Chamberland	Oil and Gas (Large Producers)
Corinna Mulyk	Provincial Government (Transportation)
David Lawlor	Alternate Energy
David Spink	NGO (Urban)
Elizabeth Bell	Airsheds
Humphrey Banack	Agriculture
Ike Edeogu	Provincial Government (Agriculture)
Karla Reesor	Airsheds
Keith Murray	Forestry
Leigh Allard	NGO (Health)
Martin Van Olst	Federal Government
Peter Noble	Petroleum Products
Rich Smith	Agriculture
Rick Blackwood	Provincial Government (Environment)
Ruth Yanor	NGO (Industrial)
Sharon Willianen	Provincial Government (Environment)
Terry Rowat	Chemical Manufacturers
Wayne Ungstad	NGO (Rural)
Keith Denman	





## 1. Workshop Introduction

Keith Denman provided the context for the workshop. At the CASA board meeting on December 8<sup>th</sup>, 2016, the need for clarity on the Air Quality Management System (AQMS) was identified as part of the potential work brought forward by the CASA 2.0 project team. A systems mapping exercise was planned to help identify who does what, what the linkages are, and how CASA might fit. The workshop was scheduled to take place during the March 2017 board meeting.

Workshop participants were asked to introduce themselves and to also give words that came to mind when thinking about the AQMS. The list of words were as follows:

- Air zones
- Complex
- Essential
- Convoluted
- Labyrinthine
- Awareness
- Unknown
- Accountability
- Insufficiently integrated
- Transparent
- Fragmented
- Under-reported
- Public health
- Partnership
- Health implications
- Duplication
- Transition
- Lack of alignment
- Evolving
- Policy
- Challenging
- Over-arching

Many participants focused on the complexities of the system, highlighting the need for increased clarity and understanding of the system.

The workshop purpose, objectives, and scope were reviewed and were:

- **Purpose:** Develop and document a shared understanding of the current state.
- **Objectives:** 1) A depiction of the current state; 2) Identify current roles of key actors in the system; and 3) Identify gaps, challenges, opportunities, and duplications.
- **Scope:** External to the Government of Alberta perspective of the AQMS.

It was noted that although the scope specifies the perspectives are external to the Government of Alberta, they are active participants in the conversation.

The role of the facilitator for the session is to probe for information and get clarity, but not to provide information. The participants' role is to share information, understanding, knowledge and experiences in the AQMS.

Participants were asked to fill out sticky notes with information on who they are, their role(s) in the system, what they provide to the system, and what they need from others in order to perform their roles. The information will be shared during discussions later in the day.

The following organizations did not have representation at the workshop but should be involved in the conversation:

- First Nations & Metis
- Municipalities



- Alberta Health Services
- Alberta Energy Efficiency Agency
- Alberta Energy Regulator
- Natural Resources Conservation Board



## 2. What is the AQMS and why do we have the system?

Participants were asked why there is an AQMS in Alberta, and had the following responses:

- To maintain good air quality. If air quality isn't managed, there are consequences (e.g. the number of bad air quality days experienced in California in the 1960s and 1970s).
- CASA has laid groundwork for the air quality management system and had influence on a national scale.
- Air quality has environmental, human health, and quality of life impacts.
- The assimilative capacity of the environment is finite.
- Dispersal of emissions is not working. Air quality doesn't manage itself; there has to be a mechanism to ensure the desired outcomes occur.
- There are challenges to maintaining good air quality across the province, and it requires an efficient and coordinated system.
- Transparency is needed.
- You need to be able to see where you are, see where you're headed, and have a mechanism for managing the direction of air quality.
- It is not a unique system, and is based on a political system at the provincial, territorial, and national level.
- It provides a balance between air quality, economic development, and population growth in the province without having deteriorating environmental quality.
- It provides public assurance.
- Without standards and performance measures there is no credibility.
- An AQMS is social modeling and provides a reminder that individuals have responsibilities and that individual choices have an effect on air quality.
- A system implies long term commitment.
- It connects the source of air pollutants to their deposition so we can understand how pollutants move and impact the environment and health.
- Voluntary action is insufficient; many industry players would like to improve their environmental performance but can't do so unless there's a regulation requiring it.
- A lack of engagement and transparency can lead to distrust and resistance from stakeholders.

Participants were asked who coordinates (or should coordinate) the AQMS. Answers generally focused on the provincial government, but other suggestions included Environment and Climate Change Canada. The key role for health as well as environment was also highlighted.

Participants were asked to discuss some of the changes and policy trends around air quality management in recent years. Responses included:





- The AQMS is only five years old, and modern legislation on air quality is barely 20 years old. There are a lot of unknowns, and the AQMS is needed to tackle that.
- Evolution in the AQMS is important.
- Roles and responsibilities are still emerging, such as the role of municipalities in data collection. However, it's unclear who is accountable and who makes decisions on how collected data is given to decision makers.
- Information that for a number of air pollutants there is no "safe level." This necessitates trade-offs and causes different perspectives to collide.
- Messaging on air quality has gone from "the air is great in Alberta" to "the air quality is suffering and needs to be addressed."
- The status quo is no longer acceptable. Requirements are more stringent than they were 10 years ago, and will continue to get more stringent.
- Emergence of new technology, such as hand-held air quality sensors, will play a significant role in the future.
- The expectation for stakeholder engagement and collaboration, and the importance of indigenous perspectives (e.g. United Nations Declaration on the Rights of Indigenous Peoples), is becoming more prominent in many levels of government. There has also been more engagement of citizens through alternative platforms, such as social media.
- There have been many regulatory changes in recent years in addition to changes in broader contextual pieces such as the economy, price of oil, in-migration, and out-migration.

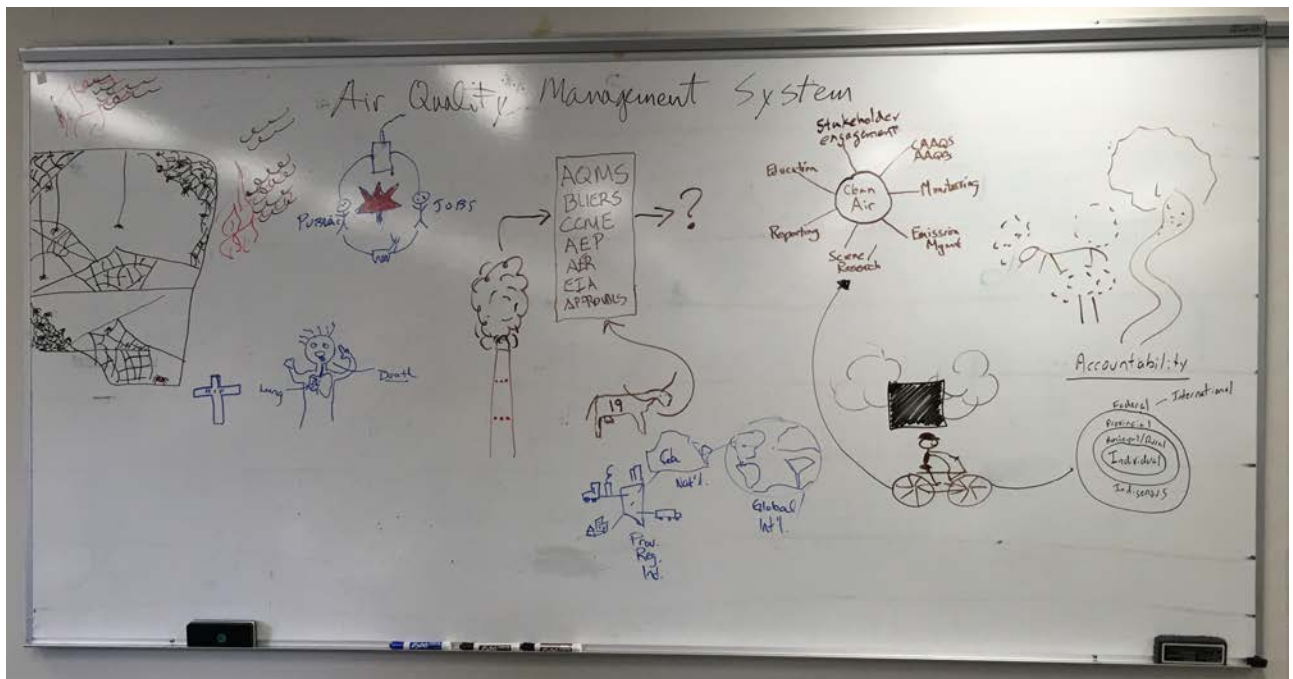
Participants were asked what the AQMS is intended to achieve, and provided the following responses:

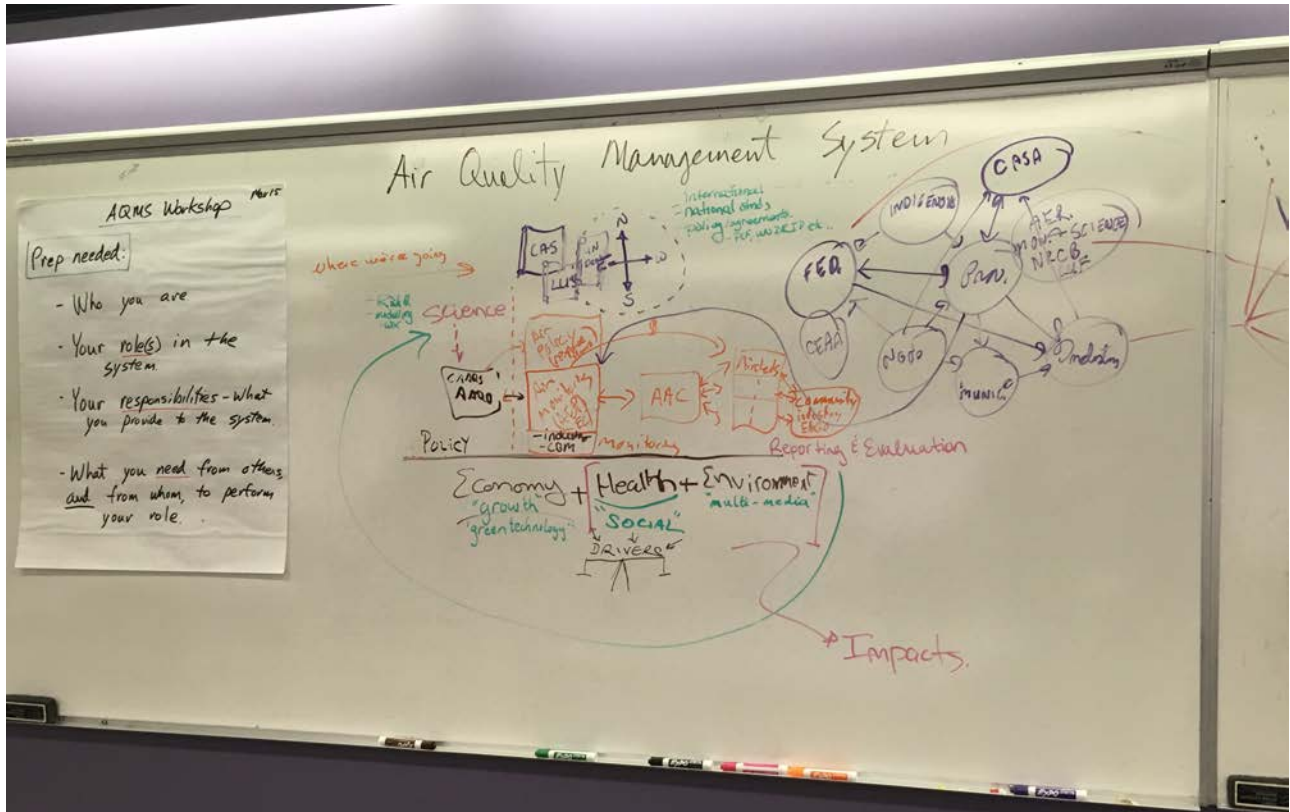
- No adverse impacts to air quality and human health.
- Continuous improvement in air quality and health impacts.
- Gain an understanding of air quality and set appropriate targets which have performance measures.
- Improvement in air literacy.

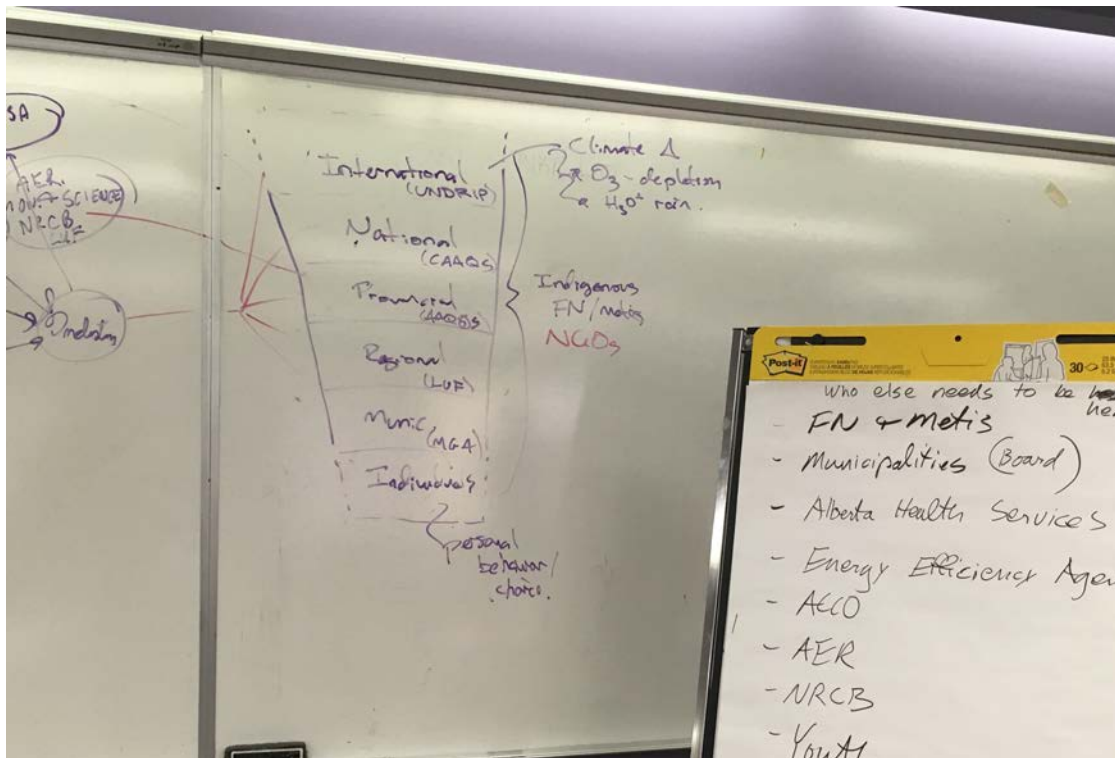
### 3. What does the AQMS look like?

Participants were broken into groups and asked to draw the AQMS on whiteboards. Pictures of the whiteboards are included below.









Participants were asked to explain their drawings, which the main themes as follows:

- No single diagram can describe the AQMS and show who the parties involved are, how they relate, the geographic areas covered, and the functions of the system.
- Inter-connectedness of the system is lacking.
- The federal and provincial government are key driving players. Each level of government has tools, as to the various inputs into the system (e.g. NGOs, CASA, airsheds, and industry).
- Economy, health, and environment are key drivers, but emissions drive the whole system.
- The focus of the drawings was largely on who is involved, rather than the functions and outcomes.
- Ultimately the AQMS is in place for people and the environment. People should know where the information is, but they shouldn't necessarily need it. The system should bring stability and outcomes.
- Emissions are recorded and reviewed by a series of different agencies. The evaluation of the emissions is vague, as are the number of people reviewing the state of the emissions and the outcomes.

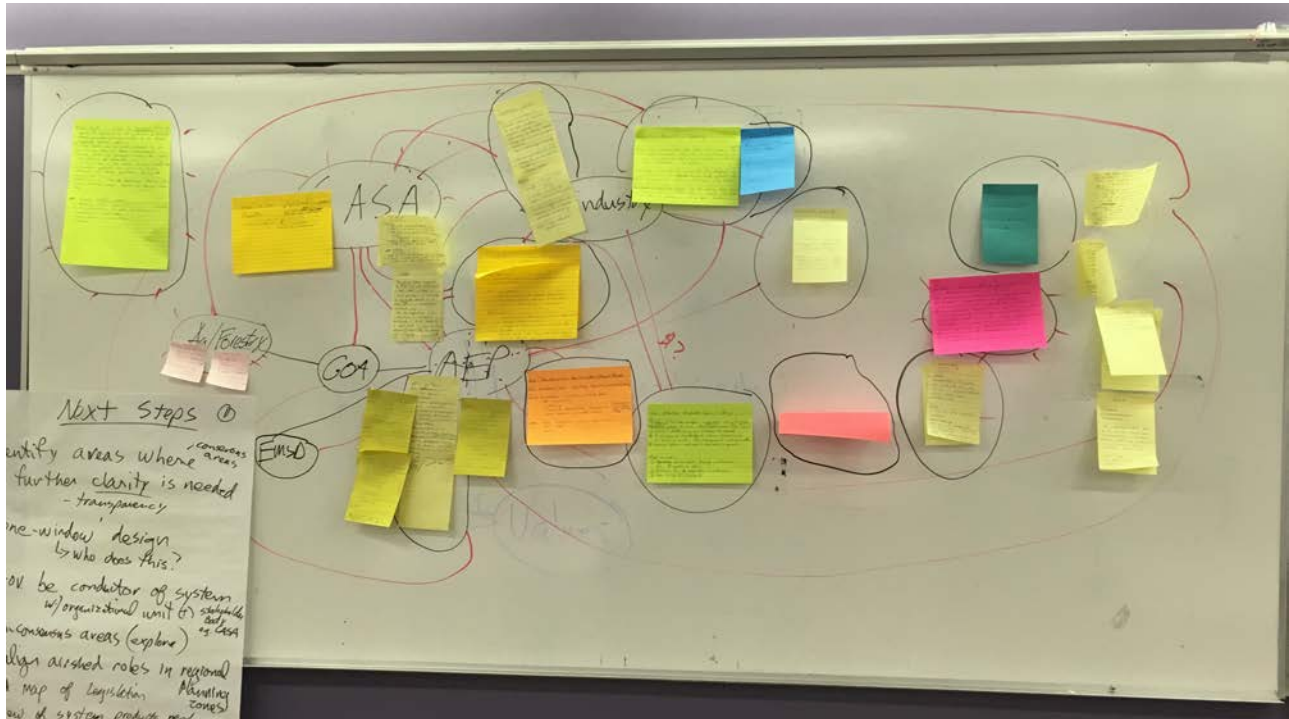
Accountability was discussed, and there was general agreement that an agency should be accountable for the functioning of the system and that it was insufficient to only have each agency responsible for their own mandate. Currently, there isn't a single agency coordinating or leading the system and it results in confusion and lack of clarity around roles and responsibilities. There is collaboration between the federal and provincial government, but the work is occurring in silos and the system is not integrated.





## 4. Inputs, Outputs, and Linkages in the AQMS

The participants provided information about their organizations, their roles in the AQMS, and their requirements. They then placed a sticky note with their information on the whiteboard and connections were drawn. A picture of the whiteboard is below along with a table summarizing the responses.



Organization/Sector	Role/Input	Requirements
<p><b>Alberta Environmental Network (AEN)</b></p> <ul style="list-style-type: none"> <li>- An organization for and of ENGOs, the AEN facilitates and supports ENGO capacity and ability to engage and present diverse perspectives.</li> <li>- The AEN is not an advocate of any position. It is collaborate and process driven.</li> </ul>	<ul style="list-style-type: none"> <li>- Its role is to build capacity and enable caucuses and Government of Alberta Ministries and Agencies.</li> <li>- Its responsibilities are to connect ENGOs with agencies, build relationships, and keep communication lines open.</li> <li>- The AEN offers partnering with green initiatives and employment opportunities.</li> <li>- Provide an ENGO perspective and pressure for effective action to maintain and improve air quality.</li> <li>- Provide representatives to participate in collaborate air work (informed participation</li> </ul>	<ul style="list-style-type: none"> <li>- The AEN needs sustainable funding to support both administrative and ENGO activity across Alberta.</li> <li>- Opportunities for meaningful involvement</li> <li>- More information on the provincial government’s decision-making</li> </ul>





	and reporting back to and getting input from the broader ENGO base).	
Capital Region Air Quality Management Framework Oversight Advisory Committee	<ul style="list-style-type: none"> <li>- Advise on further implementation of the framework</li> <li>- Advise on further implementation of PM2.5 response</li> <li>- Meet objectives of North Saskatchewan Regional Plan Air Quality Framework within the Capital Region</li> </ul>	<ul style="list-style-type: none"> <li>- Recommended actions helpful to our region and others to reduce PM2.5</li> <li>- Support/leadership for strong action</li> </ul>
Notinto Sipi Conservation Authority - ENGO	<ul style="list-style-type: none"> <li>- Provide an independent audit of the environment in their area</li> <li>- Biased observer</li> </ul>	<ul style="list-style-type: none"> <li>- Nothing</li> </ul>
Mewassin Community Council - Albertans focused on quality of life issues; predominantly air emissions and land use.	<ul style="list-style-type: none"> <li>- One of the complaint drivers</li> <li>- Provide our perspective on activities (typically development)</li> </ul>	<ul style="list-style-type: none"> <li>- Capacity building and front-end engagement</li> <li>- Clarity as to who to connect with regarding what issue</li> <li>- Understanding of processes and what civil engagement looks like and means now</li> </ul>
Industry - Industry representative and supervisor of representatives for input - Involved in CAAQS, CROMF, BLIERs, AAQO work	<ul style="list-style-type: none"> <li>- Industry representative and supervisor of representatives for input</li> <li>- Involved in CAAQS, CROMF, BLIERs, AAQO work</li> <li>- Provide industry input to multi-stakeholder process</li> <li>- Coordinate industry ideas, proposals, and concerns into policy development process</li> <li>- Liaison to extent possible on interconnections</li> </ul>	<ul style="list-style-type: none"> <li>- Understanding of intended policy outcomes/drivers in policy pronouncements, perspective, researchers</li> <li>- Science and other reference information</li> <li>- Identification of ideas, proposals, and concerns of industry colleagues</li> </ul>
Pembina Institute - ENGO	<ul style="list-style-type: none"> <li>- Data user and interpreter</li> <li>- “Watch Dog” (industry and government)</li> <li>- Solution provider</li> <li>- Relay information and educate</li> <li>- Provide public credibility</li> <li>- “Connect the dots”</li> </ul>	<ul style="list-style-type: none"> <li>- Unbiased, credible, and honest data interpretation for all audiences</li> <li>- Proactive reporting</li> <li>- Coherent and integrated planning</li> </ul>
Airshed Member - ENGO	<ul style="list-style-type: none"> <li>- Local coordination</li> <li>- Data collector</li> </ul>	<ul style="list-style-type: none"> <li>- Engagement and interest from stakeholders</li> </ul>





	<ul style="list-style-type: none"> <li>- Educator</li> <li>- On the ground representative</li> <li>- Responsiveness</li> <li>- Provide unbiased credible data on air quality (source to sink)</li> <li>- Engage with the public to identify needs and address questions</li> <li>- Good financial management</li> </ul>	<ul style="list-style-type: none"> <li>- Sustainable funding to undertake monitoring, education, and engage with the public</li> </ul>
Grain Farmer	<ul style="list-style-type: none"> <li>- Represent farmers and ensure farmers’ opinions and voices are heard</li> <li>- Participate in system and educate the system’s participants as to farmers’ perspectives</li> </ul>	<ul style="list-style-type: none"> <li>- Reasoning and direction for future positions</li> <li>- Understanding of challenges that farmers will face</li> </ul>
<p>Agriculture Industry</p> <ul style="list-style-type: none"> <li>- Our industry does not have a direct role in implementing the AQMS, but it is an economic driver that can have an impact on air quality and thus we are a stakeholder in the process.</li> </ul>	<ul style="list-style-type: none"> <li>- Understand and communicate the obligations and contributions of agriculture producers and the agriculture industry with respect to the AQMS</li> </ul>	<ul style="list-style-type: none"> <li>- We need clarity about our obligations under the AQMS and the agencies with whom we need to interact in meeting these obligations</li> </ul>
<p>Alberta Airsheds Council (AAC)</p> <ul style="list-style-type: none"> <li>- Facilitates dialogue and cooperation among Airsheds and between Airsheds and their partners and stakeholders (including AEP, AER, and AHS).</li> </ul>	<ul style="list-style-type: none"> <li>- Assist in establishing new airsheds as needed</li> <li>- Bring regional knowledge to inform discussions on province-wide AQ management and policy matters</li> <li>- Develop and deliver outreach and education programs</li> </ul>	<ul style="list-style-type: none"> <li>- Sustainable funding mechanism for the Airsheds and the AAC</li> <li>- Partners for education and outreach</li> <li>- Role clarity for Airsheds</li> </ul>
<p>Peace Airshed Zone Association/Regional Airsheds</p> <ul style="list-style-type: none"> <li>- Air monitoring &amp; knowledge translation (outreach/literacy)</li> </ul>	<ul style="list-style-type: none"> <li>- Provide scientifically credible data, air quality monitoring, and air literacy programs</li> <li>- Community stakeholder engagement (industry, municipalities, public, First Nations, Metis, NGO, AEP, AHS, AER)</li> </ul>	<ul style="list-style-type: none"> <li>- Role recognition, clarity, and commitment from AEP</li> <li>- Funding</li> </ul>
<p>Chemical Sector</p> <ul style="list-style-type: none"> <li>- Provides chemical solutions to society’s problems</li> </ul>	<ul style="list-style-type: none"> <li>- Provides economic growth and jobs</li> <li>- Add value to Alberta’s resources</li> </ul>	<ul style="list-style-type: none"> <li>- Clarity:                             <ul style="list-style-type: none"> <li>o Government transparency</li> <li>o Communication</li> <li>o Policy</li> </ul> </li> </ul>





	<ul style="list-style-type: none"> <li>- Manage and continually improve emissions</li> <li>- Supports monitoring and Airsheds</li> <li>- Outreach and education of the communities we live, work and breathe in</li> </ul>	<ul style="list-style-type: none"> <li>- Certainty in order to make investment decisions</li> <li>- Consistent applications of science with a focus on outcomes-based policy</li> <li>- Aligned and non-redundant regulations</li> </ul>
<p>CAPP</p> <ul style="list-style-type: none"> <li>- Contractor with CAPP, representing oil and gas large producers</li> </ul>	<ul style="list-style-type: none"> <li>- Provide input into proposed regulations or environmental policies as requested</li> <li>- Act as a stakeholder in the system</li> <li>- Comply with regulations, approval requirements</li> <li>- Monitor/report emissions</li> <li>- Strive to reduce emissions in the long term</li> </ul>	<ul style="list-style-type: none"> <li>- Clarity as to what the rules are (long term)</li> <li>- Balanced approach to maintain competitiveness</li> <li>- Avoid duplication</li> </ul>
<p>CASA</p> <ul style="list-style-type: none"> <li>- ENGO Board member</li> </ul>	<ul style="list-style-type: none"> <li>- Provide consensus-based policy and action recommendations on important air management system issues gaps, etc.</li> <li>- Typically sensitive issues where multi-stakeholder consensus adds large value</li> <li>- Articulate the environment and health interest at the CASA table in a collaborate/consensus-based way</li> <li>- Constructive and contributing participants at the CASA tables to report back to (and bring forward the interests of) the broader environmental network</li> </ul>	<ul style="list-style-type: none"> <li>- GoA to see the value of this consensus and direct important work to CASA</li> <li>- Understand the shortcomings of maintaining tight control of issues</li> <li>- Continued financial and administrative support, as well as the support of government and industry in the process</li> <li>- A meaningful forum to articulate and work on our interests</li> </ul>
<p>AEP – Air Policy</p> <ul style="list-style-type: none"> <li>- Set provincial air policy</li> </ul>	<ul style="list-style-type: none"> <li>- Evergreen existing policies</li> <li>- Develop new policies</li> <li>- Respond to emerging/strategic air quality issues and changing circumstances</li> </ul>	<ul style="list-style-type: none"> <li>- Data to inform process from EMSD, airsheds, industry</li> <li>- Perspectives/input recommendations to inform/guide policy development and setting</li> <li>- Collaboration to collect</li> </ul>





<p>AEP – Community Engagement Branch</p>	<ul style="list-style-type: none"> <li>- Provide AEP and the GoA with support, education, engagement, and partnerships</li> <li>- CASA coordination, both cross-ministry and AEP</li> <li>- Funding and grant management</li> <li>- Roles discussions and analysis, including CASA, AAC, airsheds</li> <li>- Facilitate AEP air literacy strategy</li> <li>- Partnership briefings</li> <li>- Help facilitate AEP and cross-ministry IRMS air partners discussions</li> <li>- Relationship building</li> <li>- Integrate/Facilitate information sharing</li> </ul>	<ul style="list-style-type: none"> <li>- Input from stakeholders and communities</li> <li>- Resources/Subject matter experts both division and cross-ministry</li> <li>- Appropriate policy direction that is timely, responsive, etc.</li> </ul>
<p>Alberta Agriculture and Forestry - Agricultural sector, primarily crop and livestock production</p>	<ul style="list-style-type: none"> <li>- Advocacy and advisory</li> <li>- Coordination</li> <li>- Regulatory and non-regulatory approaches</li> <li>- Responsibilities include research, extension, policy, industry engagement</li> </ul>	<ul style="list-style-type: none"> <li>- Communication</li> <li>- Understanding of economic, environmental and social implications</li> <li>- Understanding of the diversity of the sector</li> </ul>
<p>CASA Secretariat</p>	<ul style="list-style-type: none"> <li>- Provide structured, multi-stakeholder forum to enable good policy recommendations</li> <li>- Support the process</li> <li>- Build trust</li> <li>- Find good issues for CASA to tackle</li> </ul>	<ul style="list-style-type: none"> <li>- Funding</li> <li>- Clarity on desired outcomes (primarily from GoA)</li> <li>- Willing, active and constructive participation</li> </ul>
<p>Environment and Climate Change Canada - Federal government generally (Health Canada, Parks Canada, Canadian Environmental Assessment Agency, Transport Canada, Natural Resources Canada)</p>	<ul style="list-style-type: none"> <li>- National (AQMS airzone, including Alberta and parts of Saskatchewan, BC, Yukon, and NWT).</li> <li>- Regulatory role</li> <li>- Science, monitoring, modeling weather service</li> <li>- Leadership – interational stage, e.g. Paris Agreement, COP meetings</li> <li>- Canadian Council of Ministers of the Environment</li> </ul>	<ul style="list-style-type: none"> <li>- Regional feedback into national system (collaboration, communication)</li> <li>- How can Government of Canada use CASA/provincial systems to deliver its objectives and understand others objectives?</li> <li>- How can we use this to feed decisions, engagement, etc.</li> </ul>





	<ul style="list-style-type: none"> <li>- National policy (CAAQs, PFC, Paris)</li> <li>- Indigenous issues, reporting to Canadians (shared with FPT)</li> </ul>	
Alberta Health	<ul style="list-style-type: none"> <li>- Supports the development of Air Quality guidelines, standards, and objectives (AAAQOAC)</li> <li>- Address community concerns related to air quality through engagements, studies, etc.</li> <li>- Funding provision of health care to people impacted by poor air quality</li> <li>- Tracks rates of disease</li> <li>- Provide advice to decision makers and the public</li> <li>- Regulatory role in the review of human health and risk assessments conducted as part of EIAs</li> <li>- Assessment and advice provision during air quality emergencies</li> <li>- Participation in multi-stakeholder air quality discussions</li> <li>- Producing evidence-based reports on topics including air quality</li> </ul>	<ul style="list-style-type: none"> <li>- QA/QC'd, accurate data</li> <li>- Understanding of data limitations</li> <li>- Research</li> <li>- Engagement/Awareness</li> <li>- Coordination and cooperation</li> <li>- Budget</li> </ul>
Alberta Environment and Parks - Various divisions	<ul style="list-style-type: none"> <li>- Strategic direction</li> <li>- Planning (incl. air management frameworks)</li> <li>- Implementation</li> <li>- Monitoring, evaluation, reporting</li> <li>- Setting regulations</li> <li>- Participation on CASA, airsheds</li> </ul>	-

A discussion followed the exercise. ENGO representatives felt the ENGOs were on the periphery of the system and they don't have a roadmap to get to where they need to go. There was also a common need for clarity of functions, mechanisms, and players and identification of a lead agency; potentially an advisory stakeholder body. Individual organizations/agencies were clear on their own role, but not clear on the roles of others or the various linkages between groups.



## 5. Next Steps



The information from the workshop would be compiled in a summary report and distributed to participants. A small group of CASA board members, with representation from each sector, can then review the document and determine what makes sense in terms of CASA’s direction. The group can then report back to the larger CASA Board at the June meeting.

Some participants had hoped the workshop would bring more clarity on the current system, possibly in the form of a road map of the AQMS. Development of such a product may be the outcome of activities following the workshop, but the type of information received during the workshop wasn’t sufficient to develop a map.

## 6. Adjournment

The workshop was adjourned at 15:30.



<b>INFORMATION SHEET</b>
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**ITEM:**                    **2.3    New Representatives**

**ISSUE:**                    One new director has been chosen by their respective member organization as a representative on the CASA board.

**STATUS:**                    **Stacey Schorr**

**ATTACHMENTS:**        A biography was unavailable at the time of the board book distribution.



## **CASA Executive Director Board Update June 2017**

### **Move**

By the time this is distributed the CASA offices will have moved down the street to our new shared space with the Alberta Water Council in South Petroleum Plaza. A big thank you to all of the staff at both organizations and the government facilities people who made this less painful than it could have been. The phone numbers and e-mails remain the same, and you will have received an e-mail with the new mailing address. I am confident that the new space will work well.

In addition to the physical move we will begin to amalgamate the administrative tasks and staff of both organizations. Both the Water Council and CASA will remain as separate legal entities with their own Boards, Executive Committees, budgets and decision making processes, but much of the day to day operations will be combined. There may eventually be project team work that includes both water and air issues, although there are no current proposals that would include both media. As part of that process, the position of one Executive Director for the two organizations has been advertised and the process of selecting the Executive Director is underway. An update will be provided at the Board meeting if available.

### **Staff and Budget**

There have been no changes in staff. We may be looking to bring an additional project manager on board in the fall, pending decisions on upcoming statements of opportunity.

As of this writing CASA has received verbal assurance that our 2017 grant is in on its way, but we have not yet received a check for 2017's operations. CASA has built up a surplus over the last several years due to a lower level of staffing and activities which has allowed us to continue operating while we await the grant, but the funds will run out shortly if the check is held up much further.

### **Current Projects**

#### **Non-Point Source team**

The Non-Point Source Project team is heading into the drafting and refining of recommendations. As many of these sources are not directly regulated it is challenging to come up with actions that are effective and provide significant reductions in both primary particulate matter (PM) and precursor emissions for PM and ground level ozone. We have been pleased to have the cities of Calgary, Edmonton and Red Deer involved in this work, as well as some of the air sheds, who have provided a great deal of technical assistance. The main driver behind this work is bringing the areas of the province that are above or nearing the Canadian Ambient Air Quality Standards (CAAQS) down to lower levels. The team has been in ongoing conversation with the regional planning processes in the Calgary – Edmonton corridor. The team is hoping to present its work at the September CASA Board meeting.

The Non-Point Source team hosted a workshop on April 12 which brought together a number of organizations working on education and public awareness around non-point sources. Stay tuned for further work with that group of people as we work to maximize the efforts of the various groups through sharing ideas and resources.

### **Alberta Ambient Air Quality Objectives**

This project team is continuing work that had been underway within the Provincial government, and will look at the state of the science, emission and ambient levels, and human and ecosystem health impacts of the targeted pollutants.

The Team has struck three technical working groups with the task of scoping the available material and proposing an 'order of work' for the substances. The three subgroups are based on the substances under discussion and are PM<sub>10</sub>, NO<sub>2</sub>/SO<sub>2</sub> and H<sub>2</sub>S/TRS. These teams will be meeting at least once prior to the June Board meeting. An update will be provided at the Board meeting.

### **2016 Performance Measures and 2016 Annual Report**

Work is underway on the Performance Measures Committee Report and on the 2016 Annual Report, but there is some data that has not yet been received. The work on both is substantially complete, and it is hoped that they will be completed shortly after the June Board meeting. The reports may be approved through an electronic distribution and approval in order not to hold up the production and distribution of the Annual Report, some of which relies on the Performance Measures report. The delay is due to a combination of reduced staff and a delay in gathering the emissions and monitoring data.

### **Training Session**

CASA offered a two day training session in collaborative processes in Calgary, with 15 people participating, including a number of people involved in Airsheds. Ian Montgomery led the training, with some content provided by Keith Denman. The evaluations were very positive, and it is hoped that the sessions will be offered again on at least an annual basis.

### **Alberta Airsheds Council**

CASA and the Alberta Airsheds Council (AAC) are working to finalize an MOU that outlines how we will work together. Some of the content may be dependent on the "systems mapping" work, which is underway and will be continuing in the coming months. I attended the AAC meeting in early May with staff from Alberta Environment and Parks, at which the roles of Monitoring and Science staff and the airsheds was discussed.

One item which emerged in the discussion was that the review of the Air Monitoring Strategic Plan, which was done by CASA in 2009 and was to be reviewed in 2014, is proceeding internally with a

scientific review panel and will not be handled through a CASA process. There may be an opportunity for CASA and CASA stakeholders to participate in the review of the product once this process is complete.

### **Future Work**

We are looking forward to some further Statements of Opportunity in the fall, which we understand will be forthcoming from the Provincial Government. These will be addressed at the June meeting, with the hope of presenting the Statements themselves at the September meeting so that the teams can begin work soon afterwards.

# *Status Report*

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**PROJECT/ITEM:** 3.1 Non-Point Source (NPS) Project Team

**BACKGROUND:** Through 2013 and 2014, the Board directed the secretariat to work with various interested stakeholders to scope out potential areas where CASA could provide high-value in addressing non-point source air emissions in Alberta. The NPS Project Charter was designed to strike a balance between addressing regional issues and addressing NPS on a provincial scale with cross-cutting actions and related efficiencies. It reflected what could realistically be accomplished by a CASA project team in approximately 22 months and limited the scope to NPS of PM<sub>2.5</sub>, and PM<sub>2.5</sub> and O<sub>3</sub> precursors (SO<sub>x</sub>, NO<sub>x</sub>, VOCs, and NH<sub>3</sub>). The focus was on the Canadian Ambient Air Quality Standards (CAAQS) Framework management levels and the regions and sub-regions where those standards were being approached or not achieved.

The Board approved the NPS Project Charter in September 2014. For funding reasons, the project was not commenced until Fall 2015.

The project goal and objectives are to:

**Project Goal:** To help address non-point source air emissions contributing to non-achievement of ambient fine particulate matter and ozone standards in Alberta.

**Objective 1:** Compile and review information and agree on a common understanding of non-point source air emissions in Alberta.

**Objective 2:** Identify non-point source air emissions reduction opportunities in Alberta, where CASA's multi-stakeholder approach could add the most value.

**Objective 3:** Identify and recommend management actions, which could include policy change, to address the highest value non-point source air emissions reduction opportunities in Alberta (from Objective 2).

**Objective 4:** Develop and implement a strategy and action plan for communicating with and engaging stakeholders and the public on the work of the project.

This work should result in a list of recommended management actions and advice for implementation to address NPS of interest in targeted areas or province-wide.

**STATUS:** The Non-Point Source (NPS) Project Team completed Objective 1 with a large contribution from the Technical Task Group final report titled "A Knowledge Synthesis of Non-Point Source Air Emissions and their Potential Contribution to Air Quality in Alberta". The NPS Project Team completed Objective #2 and is progressing with Objective #3. While still on schedule for completion in September 2017, the timeline for the remaining objectives is aggressive. As a result of this timeline, the

success of this project requires continued strong sector support of its participants, resources, and engaged project team members.

The NPS Project Team underwent a priority setting exercise to refine the list of non-point emissions sources provided by the Technical Task Group to ensure a manageable scope for the project. The NPS Project Team is discussing possible recommended management actions and considerations for the following refined list of non-point sources and related topic areas:

1. Mobile sources (on-road light duty and heavy duty vehicles)
2. Residential wood burning
3. Open-air burning
4. Gasoline distribution (retail stations and terminals)
5. Construction and road dust
6. Urban planning
7. Energy efficiency action
8. Knowledge of non-point sources

The NPS Project Team has drafted potential recommendations and the team is seeking feedback from targeted stakeholders through conversations on these ideas.

The Communications Subgroup developed a communications plan with the aim of increasing understanding among CASA stakeholders of this issue and the work of this CASA project team. There have been meetings with the AEP and AAC to identify opportunities for synergies and leveraging existing communication avenues. A workshop for discussion of current and planned communications initiatives related to non-point sources and air quality was held in April and the results of the workshop will be used to help the NPS Project Team determine how and where the recommendations will be communicated following the completion of the project.

The NPS Project Team has provided an overview of the draft recommendation package to accompany the presentation given during the board meeting. **The Project Team is seeking any feedback from the board on the refined list of non-point sources and related topic areas, and the associated potential management actions.**

**ATTACHMENTS:** NPS Project Team – Overview of Recommendation Package

# NPS Project Team

## Overview of Draft Recommendation Package



Includes information generated up to May 29, 2017 (Working Document)

Note: Recommendation development is in progress and this list does not indicate the project team has reached consensus on the items listed below.

Recommendation Area	Theme	Potential Management Action
1. Mobile Sources <ul style="list-style-type: none"> <li>• On-road light duty vehicles</li> </ul>	Low & zero emitting vehicles	The Government of Alberta, municipalities, motor dealers, and related organizations collaborate to develop and implement a strategy to accelerate and support the uptake of substantially lower emitting and highly fuel efficient vehicles, including but not limited to, hybrid electric vehicles, plug-in hybrid electric vehicles, and electric vehicles in Alberta, with the following goals: <ol style="list-style-type: none"> <li>a) To increase the available fueling or charging infrastructure for these vehicles, and</li> <li>b) To increase the purchase of these vehicles.</li> </ol>
2. Mobile Sources <ul style="list-style-type: none"> <li>• On-road light duty vehicles</li> <li>• On-road heavy duty vehicles</li> </ul>	Low & zero emitting vehicles	Energy Efficiency Alberta (EEA) consider the transportation sector, particularly strategies to increase the uptake of low and zero emitting vehicles, as an area for future EEA programs with greenhouse gas and air emission reduction co-benefits.
3. Mobile Sources <ul style="list-style-type: none"> <li>• On-road light duty vehicles</li> </ul>	Emissions from in-use vehicles	The Government of Alberta, municipalities, the private sector, and other stakeholders collaborate and coordinate efforts to increase the awareness of existing initiatives that empower and encourage individuals to reduce emissions from personal vehicles, through: <ul style="list-style-type: none"> <li>• Development of a comprehensive and regularly maintained website and/or app including information, suitable to a variety of audiences, about fuel efficiency courses, idling reduction programs, carpooling programs, active transportation options, public transit, etc., supported by coordinated ongoing social media and communication activities.</li> </ul>
4. Mobile Sources <ul style="list-style-type: none"> <li>• On-road light duty vehicles</li> <li>• On-road heavy duty vehicles</li> </ul>	Emissions controls systems on in-use vehicles	The Government of Alberta prohibit vehicle emission control system tampering of future model year vehicles and engines through revisions to applicable provincial legislation and associated vehicle inspection criteria.





<p>5. Mobile Sources</p> <ul style="list-style-type: none"> <li>On-road heavy duty vehicles</li> </ul>	<p>Low &amp; zero emitting vehicles</p>	<p>Alberta Transportation:</p> <ol style="list-style-type: none"> <li>Develop programs to expand the availability of lower/zero emission vehicle infrastructure (i.e. fueling infrastructure) for long-haul heavy duty vehicles, and</li> <li>In coordination with major urban municipalities, support and develop programs to remove barriers and expand the purchase and use of lower/zero emissions vehicles for municipal services (transit, municipal fleets, etc.).</li> </ol>
<p>6. Mobile Sources</p> <ul style="list-style-type: none"> <li>On-road heavy duty vehicles</li> </ul>	<p>SmartWay Transport Partnership</p>	<p>The Government of Alberta work with appropriate stakeholders to:</p> <ol style="list-style-type: none"> <li>Provide education and promotion of commercial freight membership in the SmartWay Transport Partnership,</li> <li>Encourage increasing fleet fuel efficiencies through education and promotion for installation of fuel efficiency technologies; such as aerodynamic devices, idle reduction devices or low rolling resistance tires; through the SmartWay Transport Partnership, and</li> <li>Preferentially select SmartWay partners (carriers and shippers) for all procurement.</li> </ol>
<p>7. Mobile Sources</p> <ul style="list-style-type: none"> <li>On-road heavy duty vehicles</li> </ul>	<p>Commercial vehicle inspections</p>	<p>Alberta Transportation:</p> <ol style="list-style-type: none"> <li>Amend the <i>Commercial Vehicle Safety Regulation</i> and associated Commercial Vehicle Inspection Manual to require inspection of commercial vehicle emission controls in accordance with the Canadian Council of Motor Transport Administrators 2014 National Safety Code Standard 11, Part B (NSC 11B) of future model year vehicles.</li> <li>Review and amend the vehicle weight threshold within Section 19 of the <i>Vehicle Inspection Regulation</i> for consistency with the most stringent National Safety Code and other provincial requirements for commercial vehicle annual inspections.</li> </ol>
<p>8. Mobile Sources</p> <ul style="list-style-type: none"> <li>On-road heavy duty vehicles</li> </ul>	<p>Long-haul freight strategies</p>	<p>Alberta Transportation, Alberta Municipal Affairs, and the Alberta Climate Change Office in collaboration with appropriate stakeholders support the development of urban and long-haul</p>





		freight strategies for the movement of goods within and between major municipalities in Alberta.
<p>9. Mobile Sources</p> <ul style="list-style-type: none"> <li>On-road light duty vehicles</li> <li>On-road heavy duty vehicles (focus)</li> </ul>	On-Road Diesel Emission Testing Study	The Government of Alberta, in collaboration with appropriate stakeholders, undertake an innovative on-road diesel emission testing study to characterize emissions from in-use vehicles and identify highest polluters.
<p>10. Open-Air Burning</p> <ul style="list-style-type: none"> <li>Fire or burning practices conducted outside</li> </ul>	Review/Revise regulatory requirements	Alberta Environment and Parks, with the involvement of Agriculture and Forestry, the AUMA and the AAMDC, review existing provincial and municipal requirements and management practices related to open-air burning and initiate reasonable measures to help ensure that in the future the potential air quality impacts of open-air burning in Alberta are appropriately considered, recognizing that prescribed burning is a necessary tool used to protect communities, human life, infrastructure, wildlife, and natural resources and can be an important agricultural management tool in certain circumstances.
<p>11. Residential Wood Burning</p> <ul style="list-style-type: none"> <li>Wood burning appliances &amp; fireplaces</li> </ul>	Equipment standards	The Government of Alberta establish incentive programs to retrofit old wood burning space heating equipment to meet CSA B415.1-10 or EPA 40 CFR standards.
<p>12. Residential Wood Burning</p> <ul style="list-style-type: none"> <li>Wood burning appliances, fireplaces &amp; backyard fire pits</li> </ul>	Air quality advisories	The Government of Alberta and municipalities restrict wood burning during periods when air quality is measured or forecasted to be degraded.
<p>13. Urban Planning</p> <ul style="list-style-type: none"> <li>Transportation (mobile sources), residential &amp; commercial heating</li> </ul>	Further investigation on urban form	Municipalities work together and with other relevant stakeholders to identify and promote opportunities for designing urban form and infrastructure to reduce environmental impact and improve air quality, educate the public and others about these opportunities, and work to implement them through their Municipal Development Plans, transportation plans, other growth and development strategies, or funding allocations. Further, that the Government of Alberta facilitates mechanisms for this collaboration among municipalities and other stakeholders.
<p>14. Gasoline Distribution</p> <ul style="list-style-type: none"> <li>VOCs from gasoline distribution at retail stations and terminals</li> </ul>	Stage 1 VRUs for fuel terminals	That Alberta Environment and Parks consider the benefits of requiring Stage 1 vapour recovery units (VRUs) for fuel terminals







		but only in the context of other potential actions that could be taken by industry to reduce ambient PM2.5.
15. Energy Efficiency Action	Air Quality Co-benefits	When considering energy efficiency action, Energy Efficiency Alberta should assess air quality implications and place a premium on action with substantial air quality co-benefits.
16. Knowledge of NPS	Addressing information and data-related knowledge gaps	Alberta Environment and Parks should address monitoring, emission inventories, and source characterization, modeling and ambient PM2.5 and ozone formation uncertainties as priorities to better understand NPS and inform future action.
17. Construction and Road Dust	Potential area for future work/consideration	CASA, with involvement from the Alberta Water Council and appropriate stakeholders, develop a guidance document on best practices for dust management in Alberta.



## Status Report

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**PROJECT/ITEM:** 3.2 Ambient Air Quality Objectives Update

**BACKGROUND:** Ambient air quality objectives are an important part of Alberta's air quality management system as they help protect the health of Albertans and the environment. Alberta Environment and Parks (AEP) sets ambient air quality objectives for the province under section 14 of the *Environmental Protection and Enhancement Act*. It is important that the objectives be reviewed on a regular basis and new objectives be developed when there is a need.

As part of Alberta's comprehensive approach to air quality management, Alberta Environment and Parks have worked with a multi-stakeholder committee to develop and review ambient air quality objectives since 2001. The committee has successfully reviewed or developed thirty objectives in that time. The last committee was sunsetted in December 2015.

It is time to start work again on a list of new priority substances. The priorities for this work plan have come from the development of Canadian Ambient Air Quality Standards (CAAQS) and the carry forward of two substances from the previous work plan. CAAQS have been developed for long-term air zone management. Alberta has to review their current ambient air quality objectives in light of these new standards.

The priority substances being considered by the CASA Ambient Air Quality Objective Team (AAQO) are Fine Particulate Matter (PM<sub>2.5</sub>), Ozone (O<sub>3</sub>), Nitrogen Dioxide (NO<sub>2</sub>), Sulphur Dioxide (SO<sub>2</sub>), Hydrogen Sulphide (H<sub>2</sub>S), and Total Reduced Sulfides (TRS).

The committee will:

- review scientific information specific to the substance and consider:
  - adverse health effects
  - adverse ecosystem effects
- consider technological and economic factors, and
- strive to reach consensus on the recommendation to AEP on proposed objectives.

**STATUS:** The AAQO Team met in early March to discuss their Terms of Reference and Work Plan. As part of those discussions, the team also touched on (1) membership, specifically who should be at the table to make the best decisions, and; (2) the order that the substances will be addressed and the information required to have productive and informed discussions.

The AAQO Team struck three subgroups (PM<sub>2.5</sub>/O<sub>3</sub>, NO<sub>2</sub>/SO<sub>2</sub> and H<sub>2</sub>S/TRS subgroups) which met in May to discuss information requirements and to rank, in preparation of the work plan discussion, the relative priority of each substance.



The Team's June meeting was a continuation of the above with the intent of finalizing the Terms of Reference and work plan. The AAQO Team also selected co-chairs.

Future team meetings will consist of the team discussing the information gathered and consensus building. They will complete their work by the spring of 2020.

*Status Report***PROJECT/ITEM:** 3.3 Systems Mapping Exercise

**BACKGROUND:** The last several years has seen many changes in the organizations, tools and regions that are used in managing the environment, and specifically air quality, in Alberta. IRMS, AER, LUF, AAC, AQMS, AEMERA, AEMERA, CAAQS and other acronyms have made it challenging for stakeholders to understand the overall functioning of the system in which the air is managed and what standards are used in managing it. Some of the decisions about future CASA work and CASA's relationships with other groups will be easier to make once the overall system is better understood.

At the December 2016 Board meeting CASA members agreed to spend time mapping the current system. A portion of the March 2017 Board meeting was dedicated to this work. The discussion was valuable and a report outlining what was discussed was prepared, but the task was not complete at the end of the meeting, so a small group comprised of two members from each sector was struck to take the input from the Board meeting and form it into a useable and helpful format to guide CASA in its current and future work.

**STATUS:** The team has met once since the March Board meeting and has produced a rough draft of a report, but it has become clear that there is more work to be done, and that this work is quite valuable. The team is intending to continue its work and will report to the September Board meeting.

**ATTACHMENTS:**

## Status Report

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**PROJECT/ITEM:** 3.4 Future CASA Work – Potential Statements of Opportunity.

**BACKGROUND:** Environment and Parks is hoping to present two Statements of Opportunity to the CASA Board at its September meeting. While the details are not yet finalized, the following is an overview of what they are hoping to present. The reason for this early discussion is to enable the sectors to have people chosen prior to the September meeting who will be able to participate in the working group.

If the CASA Board approves the Statements of Opportunity in September, it is hoped that the next steps to convene a working group to develop a Project Charter will move quickly. Ideally, Project Charters would be brought forward for CASA Board approval in December so that project work could begin in January 2018.

1. Additional work on Non-Point Sources (NPS):

- The management of non-point sources (NPS) continues to be a complex issue and subject of concern in the province as demonstrated through the actions in Alberta's Renewed Clean Air Strategy and the results of the 2011-2013 Air Zones Report for Alberta.

2. Work relating to the non-achievement of Canadian Ambient Air Quality Standards (CAAQS):

- Alberta has committed to achieving Canadian Ambient Air Quality Standards (CAAQS) under the national Air Quality Management System and these standards are becoming progressively more stringent and challenging to meet.

These are complex, interrelated topics and the Government of Alberta is working to determine what activities are already underway in these areas and what additional work might be needed.

**STATUS:** As indicated above, the Government is hoping to bring these Statements of opportunity to the Board in September. It is hoped that Sectors will be able to identify potential members for the working groups prior to the September Board meeting.

The logo for the Status Report, featuring the words "Status Report" in a stylized, cursive font. The word "Status" is in a light blue color and "Report" is in a dark blue color. The text is set against a light blue rectangular background with a thin black border.

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**PROJECT/ITEM:** 3.5 CASA 2016 Performance Measures Report

**BACKGROUND:** CASA's performance management strategy assists CASA in determining how effectively it is doing its work, and enables improvements that can ensure we deliver on our mandate as well as possible. The strategy provides definitions of performance measure (areas where CASA has a higher degree of control over results) and performance indicator (areas where CASA has a lower degree of control over results).

This combination of performance measures and performance indicators provides a well-rounded description of CASA as an organization and, through providing timely and meaningful information, supports continuous improvement at CASA. The strategy looks at the performance of project teams, staff support, Board member participation and support of project teams, knowledge and application of CASA's processes, the implementation of CASA recommendations, as well as ambient and emissions data.

The Performance Measures Committee, with the assistance of secretariat staff and data gathered by staff at Environment and Parks, reviews the data and develops an annual report for presentation to the Board. Some of the measures are also included in the Annual Report.

**STATUS:** The text of the report is almost complete, pending receipt of some additional data on ambient and emissions levels. The report will be distributed to the Board once the data is received and the committee as approved the report, and it will be presented and discussed at the September Board meeting. The Board may choose to approve the document electronically prior to the September meeting.

It should be noted that the Committee currently consists of one dedicated member, Ruth Yanor, whose dedication is very much appreciated.

## *Status Report*

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**PROJECT/ITEM:** 3.6 CASA 2016 Annual Report.

**BACKGROUND:** CASA's Annual Report provides a snapshot of the activities and products that CASA has been involved in during the past year, as well as a look forward to the coming year. It provides an opportunity to reflect on what we have done and to celebrate the work and the many hours of time that our stakeholders have dedicated to this work. It is also a good communications tool to explain what CASA does and how we operate.

In the past two years CASA's report has been distributed electronically to most of our stakeholders, with a small number of hard copies printed for distribution to Ministers, libraries and the Societies Act staff and any that request them. We have received very few comments on this, and will continue to use this means of distribution for both cost-savings and waste reduction.

**STATUS:** The text of the report is complete, and is being reviewed by the Communications Committee. The Executive will review and approve the text, and the layout and work of readying the document for web distribution will proceed. It is hoped that this will be complete and the report will be available before the end of June.

## Status Report

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**PROJECT/ITEM:** 3.7 CASA/Airsheds Council MOU Update

**BACKGROUND:** Throughout much of CASA's life it has worked with airsheds, and, as the number of airsheds have grown and the organizations have matured, the relationship between CASA and the individual airsheds and the Airsheds Council has grown and changed. There have been several project teams that have looked at what airsheds are and how CASA and the airsheds can best work together.

Work has been underway on a revised Memorandum of Understanding (MoU) between CASA and the Airsheds Council, which will cover opportunities to communicate, work together and share resources where appropriate.

**STATUS:** The MOU is roughed out, but there is a need for clarity on the process by which an organization becomes an airshed. At the December 2016 Board meeting the Board did not agree to step out of providing CASA endorsement to groups that wish to become airsheds, pending the work on the systems mapping exercise and a better understanding of the overall system in which both organizations work. The Airsheds Council has established its own process for determining its membership, based on CASA's criteria, and has welcomed the Peace River Air Monitoring Program into its organization. CASA has not yet been asked to endorse the Peace River group.

The current draft includes the following:

- Recognition and endorsement processes and criteria. *As noted above this is still under discussion at the CASA Board.*
- CASA and the AAC will provide space for a report on their activities in each other's Annual Reports, as a reflection of their shared work in air quality.
- Although the current structure of the organizations does not allow for representation on each other's Boards, CASA and the AAC will be welcome to attend regular Board meetings of the other organization to stay informed about activities and developments, and to contribute as appropriate.
- The AAC will be included in CASA's calls for membership in projects. CASA and AAC will provide mutual technical and process support as needed, and as time and budgets permit.



**PLACEHOLDER**

**ITEM:**                    **4.1    New/Other Business**

**ISSUE:**                    At the time of printing there was no other new business.

**CASA Board of Directors  
Mailing List**

<b>Member Representative</b>	<b>Alternate</b>	<b>Sector</b>
<p><b>Peter Noble</b> Imperial Oil - Environmental &amp; Regulatory Affairs Supervisor, Air Quality &amp; Greenhouse Gases Policy &amp; Advocacy – Commercial and Corporate Development, Imperial Oil 505 Quarry Park Blvd SE, Calgary, Alberta peter.c.noble@esso.ca P 587.476.4239 C 587.228.7010</p>	<p><b>Brian Ahearn</b>, Vice President – Western Division Canadian Fuels Association 2100, 350 – 7th Avenue SW Calgary Alberta T2P 3N9 Bus: (403) 266-7565 brianahearn@canadianfuels.ca</p>	Petroleum Products
<p><b>Leigh Allard</b> President &amp; CEO The Lung Association, AB &amp; NWT P.O.Box 4500, Stn South Edmonton, AB T6E 6K2 1-888-566-5864 x 2241 Fax: (780) 488-7195 lallard@ab.lung.ca</p>	<b>Vacant</b>	NGO Health
<p><b>Ann Baran</b> Southern Alberta Group for the Environment Box 243 Turin, AB T0K 2H0 Bus: (403) 738-4657 couleesedge1@hotmail.com</p>	<p><b>Wayne Ungstad</b> Notinto Sipi Conservation Authority wungstad@telus.net</p>	NGO Rural
<p><b>Cheryl Baraniecki</b>, Associate Regional Director General, West &amp; North Environment &amp; Climate Change Canada 9250-49 Street Edmonton, Alberta T6B 1K5 Bus: (780) 951-8687 Fax: (780) 495-3086 Cheryl.Baraniecki@canada.ca</p>	<p><b>Martin Van Olst</b>, Senior Analyst Regional Analysis and Relationships Environment &amp; Climate Change Canada 9250-49 Street Edmonton, Alberta T6B 1K5 Bus:(780)951-8958 Fax: (780)495-3086 Martin.vanOlst@canada.ca</p>	Federal Government
<p><b>Rob Beleutz</b>, Environmental, Health and Safety Manager Graymont Western Canada Inc. 200, 10991 Shellbridge Way Richmond, BC V6X 3C6 Bus: (604) 249-1911 rbeleutz@graymont.com</p>	<p><b>Dan Thillman</b>, Plant Manager Lehigh Cement 12640 Inland Way Edmonton, AB T5V 1K2 Bus: (780) 420-2691, Fax: (780) 420-2528 dthillman@lehighcement.com</p>	Mining
<p><b>Stacey Schorr</b> Assistant Deputy Minister Resource Development Policy Division Energy 8th fl Petroleum Plaza NT 9945 - 108 Street Edmonton, AB T5K 2G6 Phone: 780 644-1781 Fax: 780 427-7737 E-mail: stacey.schorr@gov.ab.ca</p>	<p><b>Wade Clark</b> Executive Director Resource Land Access Alberta Energy 12th fl Petroleum Plaza NT 9945 - 108 Street Edmonton, AB T5K 2G6 Phone: (780) 427-7426 Fax: (780) 422-3044 E-mail: wade.clark@gov.ab.ca</p>	Provincial Government - Energy
<p><b>Claude Chamberland</b>, Canadian Association of Petroleum Producers c/o Chamberland Consulting Ltd. 122 Marquis PT S.E. Calgary, AB T3M 1M7 Cell: (403) 824-6478 claudech@telus.net</p>	<p><b>Koray Önder</b>, The Canadian Association of Petroleum Producers (CAPP) – Consultant Cell: (403) 618-4486 Koray.Onder@oender.onmicrosoft.com</p>	Oil & Gas – large producers
<p><b>Brian Gilliland</b>, Manager, International Environmental Affairs, Canada Weyerhaeuser Co. Ltd. 201, 2920 Calgary Trail Edmonton, Alberta T6J 2G8</p>	<p><b>Keith Murray</b>, Director, Industry/Government Relations Alberta Forest Products Association 900, 10707 100 Ave. Edmonton, AB T5J 3M1</p>	Forestry

## Item 4.2 – CASA Board Mailing List

<b>Member Representative</b>	<b>Alternate</b>	<b>Sector</b>
Bus: (780) 438-2569 Fax: (780) 780-3125 brian.gilliland@weyerhaeuser.com	Bus: (780) 392-0756, Cell: (780) 984-2372 kmurray@albertaforestproducts.ca	
<b>Carolyn Kolebaba</b> AAMDC, Vice President, Deputy Reeve, Northern Sunrise County Box 178 Nampa, Alberta T0H 2R0 Cell: (780) 617-2381, Fax: ckolebaba@aamdc.com	<b>Vacant</b>	Local Government - Rural
<b>David Lawlor</b> , Director of Development NextEra Energy Canada Bow Valley Square 2 205 5th Avenue SW, Suite 3850 Calgary, Alberta, T2P 2V7 Bus: 403-689-6285 david.lawlor@nexteraenergy.com	<b>Vacant</b>	Alternate Energy
<b>Holly Johnson Rattlesnake</b> Samson Cree Nation PO Box 159 Hobema, AB T0C 1N0 Bus: (780) 585-3793 ext. 291, Fax: (780) 585- 2256 hjrattlesnake@gmail.com	<b>Vacant</b>	Aboriginal Government – Samson Cree Nation
<b>Terry Rowat</b> , Manager Responsible Care Methanex Corporation P.O. Box 1100 Medicine Hat, AB T1A 7H1 Bus : (403) 527-8141 ext 154 trowat@methanex.com	<b>Greg Moffatt</b> Director, Government and Stakeholder Relations - Western Canada Chemistry Industry Association of Canada Office 613-237-6215 Ext. 230 Cell 403-463-4828 gmoffatt@canadianchemistry.ca	Chemical Manufacturers
<b>VACANT</b>	<b>Dawn Friesen</b> , Executive Director Health Protection Alberta Health 23rd fl Telus Plaza NT 10025 Jasper Avenue Edmonton, AB T5J 1S6 Bus: (780) 415-2818, Fax: (780) 427-1470 dawn.friesen@gov.ab.ca	Provincial Government - Health
<b>Mary Onukem</b> , Environmental Coordinator Métis Settlements General Council Suite 101, 10335-172 Street Edmonton, AB T5S 1K9 Bus: (780) 822-4075, 1(888) 213-4400 monukem@msgc.ca	<b>Vacant</b>	Aboriginal Government - Metis
<b>Ruth Yanor</b> Mewassin Community Council Bus : (587) 357-6448 ruth.yanor@gmail.com	<b>Andrew Read</b> Technical and Policy Analyst Pembina Institute 800-10025 106 St Edmonton, AB T5J 1G4	NGO Industrial
<b>Bill Calder</b> Prairie Acid Rain Coalition 139 Calico Drive Sherwood Park, AB T8A 5P8 Bus: (780) 464-9996 bacalder@telusplanet.net; bacalder@icloud.com dspink@shaw.ca	<b>David Spink</b> , Environmental Sciences and Policy Consultant Prairie Acid Rain Coalition 62 Lucerne Crescent St. Albert, AB T8N 2R2 Bus: (780) 458-3362, Fax: (780) 419-3361	NGO Urban

Item 4.2 – CASA Board Mailing List

<b>Member Representative</b>	<b>Alternate</b>	<b>Sector</b>
<p><b>Rich Smith</b>, Executive Director                      Alberta Beef Producers                      165, 6815 - 8th Street NE                      Calgary, AB T2E 7H7                      Bus: (403) 451-1183, Fax: (403) 274-0007                      richs@albertabeef.org</p>	<p><b>Humphrey Banack</b>                      Alberta Federation of Agriculture                      RR #2                      Camrose, AB T4V 2N1                      Bus: (780) 672-6068 Fax: (780)679-2587                      gumbo_hills@hotmail.com</p>	Agriculture
<p><b>Scott Wilson</b>, Senior Policy Analyst                      Advocacy and Community Services                      Alberta Motor Association                      Box 8180, Station South                      Edmonton, AB T6J 6R7                      Bus: (780) 430-5523 Fax: (780) 430-4861                      scott.wilson@ama.ab.ca</p>	<b>Vacant</b>	Consumer/Transportation
<p><b>Andre Corbould</b>, Deputy Minister                      Alberta Environment &amp; Parks                      11<sup>th</sup> Floor, South Petroleum Plaza                      9915 – 108 Street                      Edmonton, Alberta, T5k 2G8                      Bus: (780) 427 1799, Fax (780) 427-0923                      Andre.corbould@gov.ab.ca</p>	<p><b>Rick Blackwood</b>, Assistant Deputy Minister                      Alberta Environment &amp; Parks                      11th Floor, South Petroleum Plaza                      9915 - 108 Street                      Edmonton, Alberta T5K 2G8                      Bus: (780) 427-1139, Fax: (780) 427-8884                      rick.blackwood@gov.ab.ca</p>	Provincial Government - Environment
<p><b>Jim Hackett</b>, Director                      Health, Safety Security &amp; Environment                      ATCO Power                      800, 919 - 11 Avenue S.W.                      Calgary, AB T2R 1P3                      Bus: (403) 245-7408, Fax: (403) 209-6920                      jim.hackett@atcopower.com</p>	<p><b>Ahmed Idriss</b>, Senior Advisor, Environment                      Policy                      Capital Power Corporation                      11th Floor Epcor Tower                      1200, 10423 - 101 street                      Edmonton, Alberta T5H 0E9                      Bus: (780) 392-5172, Fax: (780) 382-5140                      Aldriss@capitalpower.com</p>	Utilities
<b>Vacant</b>	<b>Vacant</b>	Local Government – Urban
<b>Vacant</b>	<b>Vacant</b>	Oil & Gas – small producers

\*\*\*\*\*Board Members with Different Courier Addresses:

Leigh Allard

**Clean Air Strategic Alliance  
List of Stakeholder Groups and Representatives**

Stakeholder Group	Sector	Member	CASA Board Representative	
			Director, Association/Affiliation	Alternate Director, Association/Affiliation
Industry	Petroleum Products	Canadian Fuels Association (formerly CPPI)	<b>Peter Noble</b> – Senior Regulatory Affairs Manager Imperial Oil	<b>Brian Ahearn</b> , Vice President – Western Division Canadian Fuels Association
NGO	NGO Health	The Lung Association - Alberta & NWT	<b>Leigh Allard</b> , President & CEO The Lung Association - Alberta & NWT	<b>Vacant</b>
NGO	NGO Rural	Southern Alberta Group for the Environment	<b>Ann Baran</b> Southern Alberta Group for the Environment	<b>Wayne Ungstad</b> Notinto Sipi Conservation Authority
Industry	Mining	Alberta Chamber of Resources	<b>Rob Beleutz</b> , Environmental, Health and Safety Manager Graymont Western Canada Inc.	<b>Dan Thillman</b> , Plant Manager Lehigh Cement
Government	Federal	Environment Canada	<b>Cheryl Baraniecki</b> , Associate Regional Director General, West & North Environment Canada	<b>Martin Van Olst</b> , Senior Analyst Environment Canada
Government	Provincial Government – Energy	Alberta Energy	<b>Stacey Schorr</b> Assistant Deputy Minister Resource Development Policy Division Alberta Energy	<b>Wade Clark</b> , Executive Director Resource Land Access Alberta Energy
Industry	Oil & Gas – Large Producers	Canadian Association of Petroleum Producers	<b>Claude Chamberland</b> , Canadian Association of Petroleum Producers	<b>Koray Onder</b> , Canadian Association of Petroleum Producers
Industry	Forestry	Alberta Forest Products Association	<b>Brian Gilliland</b> , Manager International Environmental Affairs Weyerhaeuser Co. Ltd.	<b>Keith Murray</b> , Director Industry/Government Relations Alberta Forest Products Association
Government	Local Government - Rural	Alberta Association of Municipal Districts & Counties	<b>Carolyn Kolebaba</b> , VP (Deputy Reeve, Northern Sunrise County) AAMDC	<b>Vacant</b>
Industry	CRAZ		<b>David Lawlor</b> , Director of Development NextEra Energy Canada	<b>Vacant</b>
Aboriginal Government	First Nations	Samson Cree Nation	<b>Holly Johnson Rattlesnake</b> Samson Cree Nation	<b>Vacant</b>
Industry	Chemical Manufacturers	Chemistry Industry Association of Canada (CIAC)	<b>Terry Rowat</b> , Manager Methanex Corporation	<b>Greg Moffatt</b> , Director Government Stakeholder Relations – Western Canada Chemistry Industry Association of Canada

**Clean Air Strategic Alliance  
List of Stakeholder Groups and Representatives**

Government	Provincial Government – Health	Alberta Health	<b>Vacant</b>	<b>Dawn Friesen</b> , Executive Director Health Protection Alberta Health
Aboriginal Government	Métis	Métis Settlements General Council	<b>Mary Onukem</b> , Environmental Coordinator Métis Settlements General Council	<b>Vacant</b>
NGO	NGO Industrial	Pembina Institute	<b>Ruth Yanor</b> Mewassin Community Council	<b>Andrew Read</b> Pembina Institute
NGO	NGO Urban	Prairie Acid Rain Coalition	<b>Bill Calder</b> Prairie Acid Rain Coalition	<b>David Spink</b> Prairie Acid Rain Coalition
Industry	Agriculture	Alberta Beef Producers	<b>Rich Smith</b> , Executive Director Alberta Beef Producers	<b>Humphrey Banack</b> Alberta Federation of Agriculture
NGO	Consumer Transportation	Alberta Motor Association	<b>Scott Wilson</b> , Senior Policy Analyst Alberta Motor Association	<b>Vacant</b>
Government	Provincial Government – Environment	Alberta Environment Sustainable Resource Development	<b>Andre Corbould</b> , Deputy Minister Alberta Environment and Parks	<b>Rick Blackwood</b> , Assistant Deputy Minister Alberta Environment and Parks
Industry	Utilities	TransAlta Corporation	<b>Jim Hackett</b> , Director, Health, Safety, Security & Environment ATCO Power	<b>Ahmed Idriss</b> , Senior Advisor, Environment Policy Capital Power Corporation
Government	Local Government – Urban	Alberta Urban Municipalities Association	<b>Vacant</b>	<b>Vacant</b>
Industry	Oil & Gas – Small Producers	Vacant	<b>Vacant</b>	<b>Vacant</b>

**CASA Project Team & Committee Membership***June 14, 2017*

<b>Non Point Source Project Team</b>			
<b>First Name</b>	<b>Last Name</b>	<b>Organization Name</b>	<b>Title</b>
Allison	Miller	Imperial Oil Ltd. (CAPP/CIAC)	Member/Co-Chair
Andrew	Read	Pembina Institute	Member
Atta	Atia	Alberta Agriculture and Forestry	Member
Bill	Calder	Prairie Acid Rain Coalition	Member/Co-Chair
Brian	Ahearn	Canadian Fuels Association	Corresponding Member
Brian	Free	Alberta Environment and Parks	Corresponding Member
Carolyn	Kolebaba	Alberta Association of Municipal Districts and Counties	Alternate
Chandra	Tomaras	City of Edmonton	Member
Corinna	Mulyk	Alberta Transportation	Member
David	Spink	Prairie Acid Rain Coalition	Member
Jill	Bloor	AAC - Calgary Region Airshed Zone	Alternate
Jim	Hackett	ATCO	Member
Karen	Raven	Alberta Agriculture and Forestry	Alternate
Katie	Duffett	Clean Air Strategic Alliance	Project Manager
Lauren	Maris	City of Red Deer	Member
Mandeep	Dhaliwal	AAC - Calgary Region Airshed Zone	Alternate
Martin	Van Olst	Environment Canada	Member
Nadine	Blaney	Fort Air Partnership	Member
Nancy	Hackett	City of Red Deer	Alternate
Rhonda Lee	Curran	Alberta Environment and Parks	Member/Co-Chair
Rick	Smith	Alberta Beef Producers	Alternate
Rob	Hoffman	Canadian Fuels Association	Member
Rupesh	Patel	Alberta Transportation	Alternate
Ruth	Yanor	Mewassin Community Council	Member
Scott	Wilson	Alberta Motor Association	Member
Steve	Marshman	Alberta Canola Producers	Member
Susan	Valentine	Alberta Association of Municipal Districts and Counties	Corresponding Member
Tanya	Sakamoto	City of Calgary	Member
Tasha	Blumenthal	Alberta Association of Municipal Districts and Counties	Member

<b>Non Point Source Communications Subgroup</b>			
<b>First Name</b>	<b>Last Name</b>	<b>Organization Name</b>	<b>Title</b>
Andrew	Read	Pembina Institute	Member
Jim	Hackett	ATCO	Member
Karla	Reesor	Alberta Airsheds Council	Member
Katie	Duffett	Clean Air Strategic Alliance	Project Manager
Ruth	Yanor	Mewassin Community Council	Member
Tasha	Blumenthal	Alberta Association of Municipal Districts and Counties	Member

<b>Non Point Source Municipal Caucus</b>			
<b>First Name</b>	<b>Last Name</b>	<b>Organization Name</b>	<b>Title</b>
Chandra	Tomaras	City of Edmonton	Member
Katie	Duffett	Clean Air Strategic Alliance	Project Manager
Lauren	Maris	City of Red Deer	Member
Nancy	Hackett	City of Red Deer	Alternate
Rhonda Lee	Curran	Alberta Environment and Parks	Member
Tanya	Sakamoto	City of Calgary	Member
Tasha	Blumenthal	Alberta Association of Municipal Districts and Counties	Member

<b>Performance Measures Committee</b>			
<b>First Name</b>	<b>Last Name</b>	<b>Organization Name</b>	<b>Title</b>
Keith	Denman	Clean Air Strategic Alliance	Project Manager
Ruth	Yanor	Mewassin Community Council	Member

<b>Communications Committee</b>			
<b>First Name</b>	<b>Last Name</b>	<b>Organization Name</b>	<b>Title</b>
Ann	Baran	South Alberta Group For The Environment	Member
Cara	McInnis	Clean Air Strategic Alliance	Coordinator
Erin	Brophy	Canadian Fuels Association	Member
Ruth	Yanor	Mewassin Community Council	Member
Sarah	Dunn	Alberta Environment and Parks	Member



<b>Ambient Air Quality Objectives Committee</b>			
<b>First Name</b>	<b>Last Name</b>	<b>Organization Name</b>	<b>Title</b>
Alison	Miller	Imperial Oil Ltd. (CAPP/CIAC)	Member
Atta	Atia	Alberta Agriculture and Forestry	Member
Darcy	Walberg	North West Refinery	Member
David	Spink	Prairie Acid Rain Coalition	Member
Joe	Vipond	Alberta Environmental Network	Member
Kevin	Warren	Alberta Airsheds Council	Member
Laurie	Cheperdak	Alberta Environment and Parks	Member
Lindsay	Smith-Munoz	Alberta Health	Member
Long	Fu	Alberta Environment and Parks	Member
Lynn	Que	Alberta Health Services	Member
Nina	Wang	Alberta Health	Member
Opel	Vuzi	Health Canada	Member
Randy	Angle	Prairie Acid Rain Coalition	Member
Rob	Hoffman	Clanadian Fuels	Member
Sanjay	Prasad	Alberta Airsheds Council	Member
Steven	Probert	Alberta Health Services	Member
Laura	Blair	Alberta Environment and Parks	Member/Chair
Matt	Dance	Clean Air Strategic Alliance	Project Manager

<b>H2S / TRS Subgroup</b>			
<b>First Name</b>	<b>Last Name</b>	<b>Organization Name</b>	<b>Title</b>
Alison	Miller	Imperial Oil Ltd. (CAPP/CIAC)	Member
David	Spink	Prairie Acid Rain Coalition	Member
Laura	Blair	Alberta Environment and Parks	Member
Lindsay	Smith-Munoz	Alberta Health	Member
Matt	Dance	Clean Air Strategic Alliance	Project Manager
Sanjay	Pradsad	Alberta Airsheds Council	Member

<b>PMO3 Subgroup</b>			
<b>First Name</b>	<b>Last Name</b>	<b>Organization Name</b>	<b>Title</b>
Joe	Vipond	Alberta Environment Network	Member

Item 4.3 - Current Project Committee Membership List

Kevin	Warren	Alberta Airsheds Council	Member
Laura	Blair	Alberta Environment and Parks	Member
Laurie	Cheperdak	Alberta Environment and Parks	Member
Lynn	Que	Alberta Health Services	Member
Matt	Dance	Clean Air Strategic Alliance	Project Manager
Rob	Hoffman	Canadian Fuels	Member

<b>NO2/SO2 Subgroup</b>			
<b>First Name</b>	<b>Last Name</b>	<b>Organization Name</b>	<b>Title</b>
Darcy	Walberg	North West Refinery	Member
Laura	Blair	Alberta Environment and Parks	Member
Matt	Dance	Clean Air Strategic Alliance	Project Manager
Nina	Wang	Alberta Health	Member
Opel	Vuzi	Health Canada	Member
Randy	Angle	Prairie Acid Rain Coalition	Member



9915 108 St, 1400  
EDMONTON AB T5K 2G8  
CANADA

Meeting: CASA Board Meeting  
Date of meeting: June 14, 2017  
Meeting place: McDougall Centre  
Rosebud Room  
455 6 St SW Calgary, AB T2P 4A2

1. Were the objectives as listed in the agenda accomplished? Yes  
No

2. The objectives we did not accomplish are:

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3. How can future meetings be improved?

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4. Did the board book (decision sheets, attachments, reports) provide you with the information needed to make informed decisions? Yes  
No

5. Do you have any other feedback you would like the Executive Committee to consider?

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6. How do you feel about the value of this meeting for the time you spent here?

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Name (optional): \_\_\_\_\_