

Coordination Workshop 2007 Report and Proceedings

Prepared by the
Communications Committee
for the
Clean Air Strategic Alliance
Board of Directors

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Acknowledgements

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About CASA

The Clean Air Strategic Alliance (CASA) is a non-profit association composed of stakeholders from three sectors – government, industry and non-government organizations such as health and environmental groups. All CASA groups and teams, including the board of directors, make decisions and recommendations by consensus. These recommendations are likely to be more innovative and longer lasting than those reached through traditional negotiation processes. CASA's vision is that the air will be odourless, tasteless, look clear and have no measurable short- or long-term adverse effects on people, animals or the environment.

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Contents

1	BACKGROUND.....	1
2	INTRODUCTION.....	1
2.1	The Air Out There – Issues Circling CASA	2
3	PROCESS GROUP	2
3.1	CASA Board and Executive	2
3.2	Communications Committee.....	2
3.3	Performance Measures Sub-Committee.....	3
3.4	Performance Evaluation Committee	3
3.5	Procedural Guidelines Review and Vision Committees	3
3.6	Discussion on Process Group Presentations	4
4	AMBIENT GROUP	5
4.1	Ambient Monitoring Strategic Planning Team	5
4.2	Operations Steering Committee/Ambient Air Quality.....	5
4.3	Alberta Airsheds Council and Airshed Zones.....	5
4.4	Discussion on Ambient Group Presentations.....	5
5	CURRENT PROJECT TEAMS AND WORKING GROUPS.....	7
5.1	Vehicle Emissions Project Team	7
5.2	Electricity Framework – Five Year Review Working Group	8
5.3	Confined Feeding Operations Project Team.....	8
5.4	Clean Air Strategy Working Group	8
5.5	Indoor Air Quality Project Team	9
6	TEAM EVOLUTION – IMPLEMENTATION	9
6.1	Particulate Matter and Ozone Implementation Team	9
6.2	Flaring and Venting Implementation Team	10
6.3	Discussion on Implementation.....	10
7	CONCLUSIONS AND RECOMMENDATIONS	11
APPENDIX A:	MEMBERS OF THE COMMUNICATIONS COMMITTEE.....	13
APPENDIX B:	COORDINATION WORKSHOP ATTENDEES.....	14
APPENDIX C:	TEAM LINKAGES	16
APPENDIX D:	WORKSHOP PACKAGE	167

1 Background

CASA has held three workshops in the interest of promoting coordination and communication among project teams: in September 1996, June 2001 and November 2004. The 2004 report of the organizing committee recommended that the CASA board “direct the CASA secretariat to periodically organize future coordination workshops (for example, every 1½ to 3 years) as per the 2001 workshop recommendations.”

Rather than establish a new organizing committee for this task, the Communications Committee offered to assume the workshop organizing role to:

- Review the results, recommendations and suggestions for improvement from the previous three coordination workshops;
- Finalize the purpose, format and date of a fourth coordination workshop to be held in the spring of 2007 (2½ years after the 2004 workshop);
- Inform CASA stakeholders, including project team members, board members and zone members about the 2007 workshop and encourage them to attend; and
- Provide a report and recommendations to the CASA board following the workshop.

Previous coordination workshop recommendations guided the organization of the 2007 workshop. The cost of organizing and holding the workshop was built into the 2007 core budget. Members of the Communications Committee are listed in Appendix A.

This short document contains the report and recommendations of the Communications Committee and summarizes the proceedings of the Coordination Workshop, held on June 20, 2007 in Red Deer, Alberta. Sixty-six CASA staff and stakeholders attended the workshop (see Appendix B).

2 Introduction

Tony Hudson, co-chair of the Communications Committee, convened the workshop and reviewed the primary objectives, which were to:

- Develop a better understanding of the work of CASA teams and committees, and
- Provide a forum to identify existing and potential linkages and dependencies between CASA teams to help them operate more efficiently and effectively.

The organizers also hoped that participants would take advantage of the opportunity to network and get to know each other a little better.

The workshop format involved presentations by CASA committees and teams as well as small group discussions. The presentations were organized into four main groups:

- Process
- Ambient
- Project Teams
- Implementation

All workshop participants received a package with background information on each CASA team, working group and committee, and the board of directors (Appendix C). Presentations at the workshop are summarized very briefly in this report, followed by comments made during each discussion with the speakers. In keeping with CASA's approach of non-attribution, audience participants who asked questions or made a comment are identified by the sector with which they are affiliated. Speakers are noted by name.

All MS PowerPoint presentations are available on the CASA website at www.casahome.org in the conference section. Readers of this short document are encouraged to visit the CASA website for more detailed information.

2.1 The Air Out There – Issues Circling CASA

CASA Executive Director Jillian Flett offered a larger context for the work CASA and others are doing on a range of air issues. Activity is underway in a number of areas at the federal, provincial, regional and local levels. Coordination and the ability to see how these activities fit together are essential. She particularly noted the emerging work CASA is doing on a new Clean Air Strategy, which will provide an opportunity to integrate and coordinate many of these issues. Interest in cumulative impacts continues to grow, and this is reflected in CASA's work on acidifying emissions, the science symposium on nitrogen, and collaboration with the Alberta Water Council. CASA's work also touches many other processes and topics, including land use, climate change, energy, and health. Airshed zones in Alberta continue to have a key role in identifying and addressing air quality concerns.

3 Process Group

3.1 CASA Board and Executive

Board member Myles Kitagawa presented an overview of the purpose, role and structure of the CASA board and executive committee. CASA's multi-stakeholder, consensus-based approach has progressed significantly and has been recognized nationally and internationally for its successes. Myles observed that one of the key factors behind CASA's success is its culture of fairness. Recognizing that the environment is a shared responsibility, CASA has enabled everyone to participate in the consensus-based process. CASA provides access to decision makers and the opportunity for sectors to build relationships with each other, offering a very good and productive alternative to confrontational engagement.

3.2 Communications Committee

Committee co-chair Tony Hudson presented a short overview of CASA's Communications Committee. The committee provides direction and advice on strategic internal and external communications initiatives, plans and priorities in support of the CASA mission and vision. It also formulates and recommends communications policy and direction to the CASA board. The committee is responsible for determining one of CASA's annual performance indicators and recently developed a new website on education and outreach related to air issues. The committee oversaw the organization of this workshop and is working on a policy for stakeholder advertising.

3.3 Performance Measures Sub-Committee

The Performance Measures Sub-Committee is charged with developing a process for calculating and assessing CASA's performance with respect to the measures stated in CASA's business plan, and it also oversees the calculation of performance indicators according to the process developed. Brian Free, CASA project manager, summarized the recently-completed review of CASA's performance measuring system. The two main groups of measures are designed to show:

- a) progress toward CASA's vision of clean air (four measures), and
- b) CASA's progress as an organization (three measures).

Brian reviewed the sub-committee's recommendations as a result of its review of the system and these will be presented to the CASA board at its June 21st meeting. Among other things, the sub-committee is recommending that CASA teams measure their own performance against their terms of reference, and that, in their final report, they identify indicators to measure the degree of implementation of their recommendations.

3.4 Performance Evaluation Committee

Committee member Myles Kitagawa noted that CASA bylaws require a performance review every three years, and the next one is due in 2007. The board established the Performance Evaluation Committee to plan and undertake the evaluation by the end of this year. The committee will report to the board on its evaluation and make recommendations as appropriate.

3.5 Procedural Guidelines Review and Vision Committees

CASA's procedural guidelines were originally prepared when the organization was formed in 1994. Jillian Flett, CASA's executive director, reported that, at its March 2007 meeting, the board formed a team to work with the secretariat to review and update the guidelines as required. The focus is on areas in which procedures have changed and where new guidelines may be needed. It may also be necessary to review the bylaws. The team aims to present a revised document to the September 2007 CASA board meeting.

The CASA vision has also been in place for many years and in 2006, the board agreed to revisit it to ensure is still relevant and appropriate. The Vision Committee engaged in a number of discussions and developed a revised vision, which was to be presented to the board at its June 2007 meeting.

3.6 Discussion on Process Group Presentations

Government: With respect to performance measures and implementation progress, did the Performance Measures Sub-committee suggest a mechanism for removing those recommendations on which little action has occurred? Situations change and if a recommendation has not been acted on in three or four years and there are good reasons, it would be good to have a way to remove it from the list of recommendations to track.

Brian Free: That is one of the questions that is asked about recommendations that receive a low rating on implementation – is it still relevant? The information then goes to the CASA board for it to consider. It might be tricky for the board to actually retract a recommendation, but perhaps that could be considered if it is no longer relevant.

Government: Maybe the project team doing the assessment could recommend to the board that low-rated recommendations be withdrawn.

Public: The CASA vision refers to clear air (or no visual impact). Do the performance measures consider visibility? Alberta should have a visibility monitoring network.

Brian Free: There is a performance measure related to fine particulate matter, which is a key component affecting visibility. The Ambient Monitoring Strategic Planning team will be making recommendations about a monitoring network and visibility considerations would be welcomed.

Public: It appears that the vision statement is being adjusted to fit reality, because it is too hard to meet the original vision. If this change is being initiated by the Confined Feeding Operations team, that is understandable because it is hard to have such operations without odour. But if another qualifier is attached to odour, taste and visual effects, then there is the problem of having to define “adverse.” In my view, the vision is something you aim for.

Jillian Flett: That point was discussed. Is the vision a “guiding star” that you’re trying to reach, or does it better reflect a reality that you can achieve? The team’s recommendation goes to the CASA board tomorrow for a response. We did consider what is meant by “adverse” and the information sheet to the board includes the definition of adverse as used in the *Environmental Protection and Enhancement Act*.

Myles Kitagawa: The odour aspect of the vision is complex. Personally, I would like to be able to stand on my doorstep in central Edmonton and be able to smell mountain-fresh air. But there is an odour associated with mountain air, so sometimes we want air to have an odour.

Non-government organization: “Mountain-fresh” air reflects the presence of volatile organic compounds contributed by spruce trees. Regarding visibility, observations are done through the lookout tower network via Alberta Sustainable Resource Development. They would have visibility information and estimates for a wide area of the Green Zone, and Environment Canada might have information from weather stations at airports.

4 Ambient Group

4.1 Ambient Monitoring Strategic Planning Team

Team member Brian Wiens presented an overview of the team's terms of reference, which focus on reviewing the 1995 strategic plan and the 1997 implementation plan. The team held a stakeholder workshop in June 2006 and is now looking at preparing three documents: a framework that would be a more enduring document, and a strategic plan and an implementation plan that would be updated more often. The implementation plan is essentially the "dots on the map" and would describe the proposed ambient monitoring network. The team has engaged a consultant to evaluate the current monitoring network and suggest improvements. A second stakeholder consultation session will be held this fall and the team aims to report to the board in 2008.

4.2 Operations Steering Committee/Ambient Air Quality

Team member Shane Lamden reviewed the tasks assigned to the Operations Steering Committee (OSC), which provides overall direction to the cooperative monitoring system. The team tracks progress in achieving the existing ambient monitoring strategic plan and it approves the budget for the CASA Data Warehouse. One of the goals for 2007 is to update the CASA Data Warehouse to enable incorporation of industry's ambient monitoring data. The OSC has been liaising with the team working on the ambient monitoring strategic plan, as the future role for the OSC is likely to be linked with the recommendations this team makes with respect to stewardship and oversight of the new plan.

4.3 Alberta Airsheds Council and Airshed Zones

Kevin Warren, co-chair of the Alberta Airsheds Council, presented an update on the Council and its work. The Council is not a CASA team, but was an outcome of the first zones conference hosted by CASA in 2005. The Council has now developed a vision, mission, goals and objectives. Its purposes are to identify and advocate for common interests of Alberta airshed zones, and to facilitate communication and cooperation among airsheds and between airshed zones and the public. The Council is planning a second airsheds conference for October 22-23 in Calgary. Kevin also provided a short update on each of the zones. Seven zones have been endorsed by CASA, and two more (in Calgary and Edmonton) have been incorporated and are in the early stages of developing their monitoring plans.

4.4 Discussion on Ambient Group Presentations

Airshed zone: As supplementary information, the sentinel monitoring program in the west central area was designed to look at the footprint of a very sour gas well. The Pembina Agricultural Protection Association and the Pembina-Nisku Operators Group were trying to put together a monitoring program for the region and thought perhaps the West Central Airshed Society (WCAS) could undertake the program. However, over about 18 months, the group decided to use detectors rather than analyzers. The WCAS decided not to participate due to discomfort with the reliability of the detectors. The WCAS is now focused on expanding its boundaries to the north of the current zone.

Public: I've looked at the websites for various airsheds and sometimes find it hard to navigate and find the data I'm looking for. Each airshed presents its own information in its own way. I'd like to encourage the Council to look at ways to make these sites easier to navigate and to present their data in a similar fashion.

Kevin Warren: I would suggest that if you want to get data in the same format from different airsheds, the best approach would be to go first to the CASA Data Warehouse. However, this might be something the Council could discuss, since we all want to make it as easy as possible for people to use the information.

Brian Wiens: Alberta Environment's website has a lot of real-time data in a common format. This site is a useful tool, especially if you want to look at more than one airshed at a time.

Non-government organization: One reason why airsheds may differ in the way they present their information relates to ensuring they meet the needs of their stakeholders, which could vary among airsheds. I think the stakeholder workshop on the ambient monitoring strategic plan should be in the fall, and I encourage the team to set the dates soon. The CASA board should also be notified about the extended timeline, since this is a change from the approved terms of reference.

Brian Wiens: The team will inform the CASA board. Some workshop dates are being discussed and will be finalized shortly. It will likely be closer to November.

Non-government organization: This question is for the Fort Air Partnership (FAP). When FAP is doing strategic planning, are they looking at any limits in the air parameters? The expected impacts in the Industrial Heartland area have been an issue in the oilsands hearings, as participants wondered if limits should be established for air and other environmental parameters. Is FAP considering recommending such limits?

Industry (involved with FAP): The short answer is no.

Public: How is the issue of airshed boundaries to be resolved – for example, between the new Capital region airshed and FAP? Emissions and effects downwind don't recognize artificial or political boundaries.

Kevin Warren: That would be the result of discussion and negotiation between the two parties. Nothing precludes overlapping boundaries but nobody has tried this yet.

Non-government organization: This issue was raised when FAP first came to the CASA board for endorsement. FAP said they would revisit their boundaries if and when an Edmonton-area airshed formed. CASA has helped in the past to resolve boundary issues and could do so again.

Non-government organization: With respect to expanding boundaries, when the Peace Airshed expanded, one of the factors was the length of time people needed to travel to participate effectively in the organization. We tried to limit travel time to two hours.

Myles Kitagawa: The Alberta Capital Airshed Alliance is between FAP and WCAS. With the need for an ozone management plan in the Edmonton Census Metropolitan Area, the three zones will need to work together, which is a good starting point for building relationships.

5 Current Project Teams and Working Groups

This portion of the workshop involved sharing of information about the work of five current project teams. Individuals knowledgeable about the work of the five teams were stationed at tables throughout the room. At designated intervals, participants moved from one table to another. During their time at each table, participants heard a short presentation about the team, then were asked to answer two questions during the discussion that followed:

1. What linkages exist between the team being presented and other CASA teams?
2. What issues facing this team are shared by other teams?

Points from each table are summarized below.

5.1 Vehicle Emissions Project Team

Peter Dzikowski, a member of the Vehicle Emissions Team (VET), presented information on recent team projects including the ROVER II vehicle emissions study. The work of this team is linked with several other teams:

- Ambient Monitoring Strategic Planning – Volatile organic compounds from vehicles.
- Particulate Matter (PM) and Ozone – Vehicle emissions play a key role in the formation of ground level ozone. Data from the PM and ozone work could be used in regional dispersion modeling projects by airsheds and others to help us better understand the impact of vehicles.
- Airshed zones also have valuable input for emissions inventories.
- Human and Animal Health is affected by vehicle emissions. Rail transportation offers benefits by decreasing truck traffic and reducing health impacts.
- The CASA board is linked to the VET through the 2004 recommendation to review and enhance employer-based transportation demand management plans.

Other points, suggestions and concerns included:

- Information compiled could be used to develop voluntary or regulatory tools to manage air quality; e.g. standards for light trucks.
- Prohibit advertising that uses stunt drivers with driving habits that compromise air quality.
- Undertake demonstration projects, emissions research and driver training.
- Idling bylaws (information compiled by the team could catalyze idling bylaws).
- Better transit to reduce the use of single occupancy vehicles.
- The lack of regulatory authority on the part of municipal governments makes it more difficult for them to address urban air quality related to vehicle use.
- More public education is needed regarding consumer choice and use of vehicles.
- Annual inspection of vehicles, with a focus on older vehicles.
- The PM and Ozone framework could be used as a tool to help the VET accomplish some of these things.

5.2 Electricity Framework – Five Year Review Working Group

Nashina Shariff, a member of the working group, presented information on the Five Year Review of the Electricity Framework. The team will be looking at the 2012 to 2018 timeframe and the possibility of expanding the list of pollutants that were considered in the original electricity report. Most facilities do know what technology will be in place after 2012 so can plan accordingly. Participants suggested that the review should promote better ways to generate electricity. Additional comments and questions noted during the discussion included the following:

- What role will oilsands and coal gasification have in the five-year review?
- How will the Milner facility be covered? (It is expected it will either stick to the Best Available Technology Economically Achievable [BATEA] of the day when its approval is renewed or it will shut down.)
- With respect to the hotspots protocol, if there are other issues, then this could be a reason to deal with facilities.
- Mercury in the Wabamun area remains an issue.
- The Electricity Framework could be used as a management tool to address smog issues in Edmonton.
- Exceedances in other parts of Alberta may be a factor in power plant emissions due to smog on hot summer days.
- Issue of precursors in ozone formation.
- Greenhouse gases should be considered in the review.
- Nuclear power is an issue.
- The new federal framework is likely to have an impact and needs to be part of the regulatory review.
- Sharing of data is important and there should be a central repository for source emissions too.

5.3 Confined Feeding Operations Project Team

Len Vogelaar, team co-chair, reported on the activities of the Confined Feeding Operations team. Many connections were noted with respect to process items. It has taken a good deal of time and effort to bring people together to get consensus and learn how to work together. The face-to-face element is important to build good relationships and maintain good communication, as this can't always be managed through e-mail. This team also helped to bring another government department to the CASA table (Alberta Agriculture, Food and Rural Development). A key challenge was the capacity of non-government organizations to identify representatives for the various sub-groups. The work of this team could help in compiling better emissions inventories. Other points included:

- The need to consider what management mechanisms may be used to make energy from waste products; e.g., methane from manure.
- Operators have a role in sharing best management practices for improving air quality.

5.4 Clean Air Strategy Working Group

Bettina Mueller, co-chair, presented information on the Clean Air Strategy (CAS) Working Group. As would be expected, this project has links to virtually all CASA teams. Specifically, the strategy will have to consider all the frameworks done by various CASA project teams and any time lines associated with them. Some of these frameworks relate to monitoring, and some

to management. Externally, the CAS will have to link to airsheds, which often have responsibilities for implementing the strategies and initiatives from project teams. Another factor to consider is the federal regulatory agenda as well as initiatives by other provincial governments. This project may provide an opportunity to revisit the role of CASA itself. Participants also identified several other issues related to the CAS:

- The CAS has to consider strategies that are being and have been developed for other media (e.g., Water for Life, the Land Use Framework, various energy policies) and find a way to integrate them.
- Jurisdictional issues must also be addressed; e.g., how would the CAS apply on federal and First Nations lands in Alberta? Are there any conflicts between CASA's work and the federal plan? What about other departments, such as Alberta Sustainable Resource Development? Are there implications related to federal forecasts?
- The first Clean Air Strategy done in the early 1990s included extensive public consultation, and consultation must be considered for this strategy, too.
- Strategies from CASA seem to focus more on industry, and it would be good to broaden them to include consumers, transportation, etc.
- Any strategy must be cognizant of implementation and the funds that might be needed to implement.
- The CAS needs to consider both air quality and greenhouse gases.

5.5 Indoor Air Quality Project Team

Roy Clough, co-chair, presented information on the Indoor Air Quality team. It was suggested that the team needs more stakeholder representatives as well as more timely communications. Participants also noted the following questions and issues:

- How will the federal regulatory framework fit with provincial guidelines?
- There are different regulations for different types of buildings.
- Exposure studies say indoor air is much worse than outdoor air.
- Minimum standards are needed to improve residential air quality, since people spend so much time indoors.
- Does indoor air relate to or include in-car air quality?
- There are links with a number of other CASA teams (Ambient Monitoring, Human and Animal Health, Clean Air Strategy, Flaring and Venting, PM and Ozone, Vehicle Emissions), and we need to get a better understanding of the links between indoor and outdoor air.
- Indoor air quality could be a topic for the next CASA science symposium.
- Is there a role for CASA on climate change?
- Communicating with the public is an important tool for sharing information about indoor air quality.

6 Team Evolution – Implementation

6.1 Particulate Matter and Ozone Implementation Team

Team co-chair Bob Myrick presented an overview of the PM and Ozone Implementation Team. It was formed in June 2005 and has made significant progress in addressing the recommendations contained in the CASA PM and Ozone Framework. Alberta Environment conducts the annual analysis of PM and ozone levels. The analyses for the first three cycles

(2001-03, 2002-04, and 2003-05) are completed and work is underway on the 2004-06 cycle. Three urban Census Metropolitan Areas have been identified as needing to develop management plans (Edmonton, Calgary and Red Deer). Stakeholders have two years to develop a plan that will ensure the Canada Wide Standards are not exceeded. The airshed zones in those areas are leading efforts to develop the plans, with assistance from Alberta Environment and Environment Canada.

6.2 Flaring and Venting Implementation Team

Co-chair Michael Brown reviewed the history of the Flaring and Venting team, which was established in 1997 to develop recommendations for solution gas flaring. The first recommendations were made in 1998 for a flaring management framework. The EUB incorporated these recommendations into its Guide 60, with voluntary reduction targets. The long-term goal was to eliminate solution gas flaring entirely. The team continued to look for other opportunities to reduce flaring and agreed to address the venting issue as well as coalbed methane flaring and venting. Subsequent recommendations were also incorporated into what is now EUB Directive 60. The team will reconvene in 2008 to evaluate how the EUB requirements are working and will seek out additional opportunities. The team's success has been recognized nationally and internationally, and has guided other countries in developing their own flaring reduction initiatives.

6.3 Discussion on Implementation

Government: As a comment, Alberta Environment is working to develop more flexible tools to fulfill its mandate. An important outcome of both of these successful initiatives is that there was the threat of a regulatory backstop if the voluntary approach did not work. This suggests that there can be alternatives to regulation.

Non-government organization: As a member of this team, one condition for supporting the voluntary approach was that the regulatory backstop was built in. The team came up with the numbers that the regulator had to agree to put in place before team members could agree on a voluntary approach. In other words, the voluntary approach had to be backed up with a stick, and in this case, it did work.

Non-government organization: Do the new federal regulations on clean air change obligations under the Canada Wide Standards for meeting PM and ozone objectives?

Bob Myrick: We don't know yet. The federal regulatory framework says they will re-address the objectives for particulate matter and ozone.

Government: Can you clarify the data screening process for PM and ozone episodes?

Bob Myrick: People are exposed to the total emissions, but some things can't be controlled. We present the results both before and after the episodes are backed out. Particulate matter could be from forest fires in BC, for example, and if it is natural, there's not much you can do about it.

7 Conclusions and Recommendations

The fourth coordination workshop was widely regarded as having successfully met its objectives. Three-quarters of the 38 participants who completed the evaluation survey felt the workshop increased communication and coordination between teams, were satisfied with the outcome of the workshop and found it to be useful and helpful. Half of the respondents said the speed dating activity was the best part of the workshop, but some found the report back on it redundant. Almost everyone learned something new about CASA. Over 97 percent of respondents agreed that there should be future Coordination Workshops. This comment captured several, "I think the coordination workshops have value BUT I think more effort needs to be made to effectively integrate the teams on an ongoing basis."

To that end, the Communications Committee recommends to the CASA board that CASA:

1. Host future Coordination Workshops.

A Coordination Workshop should be held approximately every two years, alternating with other major CASA events (science symposia, airsheds conference, etc.). As well:

- a. Efforts should be made to incorporate "coordination" elements into events held in the year opposite a Coordination Workshop.
- b. The organizing committee should actively recruit members of under-represented groups to attend future workshops. Based on workshop feedback, these include CASA board members, aboriginal groups and current team members.
- c. The amount of interaction time should be increased for the next workshop.

2. Increase interaction between teams dealing with common issues.

- a. CASA should encourage the key outcomes of the Coordination Workshop to be incorporated into regular activities at CASA, including the sharing of information, identifying linkages between teams and discussion of common issues.
- b. All CASA teams should be aware of and understand what other teams are doing and how they all fit into the bigger CASA and air quality pictures. Specifically:
 - i. Teams that have identified major linkages should allocate time to explore those linkages (e.g., occasionally hold meetings on the same day with time for joint discussion, meet the night before meetings, have lunch together).
 - ii. Co-chairs will review the work plans of teams that are closely related to identify areas where more interaction and better communications could benefit the teams involved.

3. Increase coordination by the teams and the Secretariat.

Because the Secretariat is in an ideal position to detect linkages and common issues affecting teams, project managers should identify opportunities for synergies and develop more effective ways to share information between teams.

- a. To keep the board informed, the executive director's report should include teams' key decisions and milestones.
- b. Each team meeting agenda now has an item called "CASA update," which resulted from the 2004 Coordination Workshop. It is recommended that:

- i. The use and function of the “CASA update” agenda item be evaluated by stakeholders in the 2007 stakeholder satisfaction survey.
- ii. The CASA update be a regular item at the beginning of each meeting as part of the Administration section of the agenda. This would set the stage for coordination throughout the meeting.

Appendix A: Members of the Communications Committee

Tony Hudson, co-chair	The Lung Association, Alberta & NWT
Alexandra Frison, co-chair	Canadian Association of Petroleum Producers (CAPP)
Brian Waddell	Alberta Environment
Parker Hogan	Alberta Forest Products Association
Michael Edge	Alberta Energy
Lynn McNeil	CAPP and Canadian Natural Resources Limited
Tim Goos	Environment Canada, Prairie and Northern Region
Ian Peace	Residents for Accountability in Power Industry Development (RAPID)
Jimmy Sadden	Alberta Energy (alternate member)
Ken Sterling	RAPID (alternate member)
Gloria Trimble	Environment Canada (corresponding member)
Jillian Flett	CASA Ex-officio
Sharon Hawrelak	CASA Project Manager

Appendix B: Coordination Workshop Attendees

Greg	Bartlett	ATCO Gas
Curtis	Bauer	ATCO Gas
Doug	Beddome	Natural Resources Conservation Board
Jim	Benum	Alberta Energy and Utilities Board
Chris	Best	TransCanada
Len	Bracko	Alberta Urban Municipalities Association
Michael	Brown	Alberta Energy and Utilities Board
Christine	Byrne	Imperial Oil Resources
Bob	Cameron	South Peace Environmental Association
Glynis	Carling	Imperial Oil Resources
Claude	Chamberland	Shell Canada Limited
Tom	Chan	Alberta Energy and Utilities Board
Rita	Chan	Alberta Energy and Utilities Board
Andrew	Clayton	Alberta Environment
Roy	Clough	Government of Alberta
Matthew	Dance	CASA
Peter	Dzikowski	Alberta Infrastructure and Transportation
Jillian	Flett	CASA
Brian	Free	CASA
Tim	Goos	Environment Canada, Prairie and Northern Region
Sharon	Hawrelak	CASA
Tony	Hudson	The Lung Association, Alberta & NWT
Paul	Hunt	Climate Change Central
Hasan	Irman	TransCanada
Glenn	Jenkins	Capital Health
Markus	Kellerhals	Environment Canada
Myles	Kitagawa	Toxics Watch Society of Alberta
Carolyn	Kolebaba	AAMD&C
Martha	Kostuch	Bert Riggall Environmental Foundation & Prairie Acid Rain Coalition
Shane	Lamden	NOVA Chemicals Corporation
Richard	Leslie	Canadian Association of Petroleum Producers
Frank	Letchford	Environment Canada
Chow-Seng	Liu	Public Member
Kevin	McLeod	CASA
Lynn	McNeil	Canadian Association of Petroleum Producers & CNRL
Lori	Melanson	CASA
Rachel	Mintz	Environment Canada
Danielle	Moffat	Alberta Energy
Bettina	Mueller	Alberta Environment
George	Murphy	Alberta Environment
Clark	Murray	ATCO Gas
Bob	Myrick	Alberta Environment
Brian	Norgaard	Alta Gas
Stan	Nowakowski	City of Calgary
Ken	Omotani	TransAlta Corporation

Colin	Pate	Alberta Energy
Ian	Peace	Residents for Accountability in Power Industry Development
Dan	Richen	David Thompson Health Region
Janine	Ross	Alberta Environment
Kim	Sanderson	CASA Secretariat
Jagtar	Sandhu	Health Canada Alberta Region
Kent	Santo	Milner Power Inc.
Anita	Sartori	Canadian Natural Resources Limited
Bob	Scotten	West Central Airshed Society
Kathy	Semchuk	CASA
Nashina	Shariff	Toxics Watch Society of Alberta
Rob	Shymanski	City of Calgary
Dave	Slubik	EPCOR
Donna	Tingley	Natural Resources Conservation Board
Carmen	Toker	Maxxam Analytics Inc.
Len	Vogelaar	Alberta Beef Producers
Pam	Vust	City of Red Deer
Darcy	Walberg	Agrium
Kevin	Warren	Parkland Airshed Management Zone & Peace Airshed Zone Ass'n
Brian	Wiens	Environment Canada
Ruth	Yanor	Mewassin Community Action Council

Appendix C: Linkages Identified by Teams and Committees

LINKAGES IDENTIFIED BY TEAMS AND COMMITTEES	Board	Communications	Performance Measures	Ambient Strategic Planning	Operations Steering	Airsheds Council & Zones*	Clean Air Strategy	Confined Feeding Operations	Electricity Review	Indoor Air Quality	Vehicle Emissions	PM & Ozone Implementation	Flaring & Venting	Human & Animal Health
Board	O	X	X	X	X	X	X	X	X	X	X	X	X	X
Communications	X	O	X	X	X		X	X	X	X	X	X	X	X
Performance Measures	X	X	O	X	X		X		X			X	X	
Ambient Strategic Plan	X	X	X	O	X	X	X	X			X	X	X	X
Operations Steering	X	X	X	X	O	X	X	X						
Airsheds Council & Zones*	X			X	X	O	X	X			X	X	X	
Clean Air Strategy	X	X	X	X	X	X	O	X	X	X	X	X	X	X
Confined Feeding Op.	X	X		X	X	X	X	O						X
Electricity Review	X	X	X				X		O			X		
Indoor Air Quality	X	X					X			O	X			X
Vehicle Emissions	X	X				X	X			X	O	X		X
PM & Ozone	X	X	X	X		X	X		X		X	O	X	
Flaring & Venting	X	X	X	X		X	X					X	O	
Human & Animal Health	X	X		X			X	X		X	X			O

*Denotes distinct organizations which are not CASA teams or committees

Appendix D: Workshop Package

Agenda – Coordination Workshop

Date: June 20, 2007
Time: 9 a.m. – 4 p.m.
Place: Waskasoo C Room, Red Deer Lodge, 4311- 49th Avenue, Red Deer

8:00	Registration (<i>coffee, tea, juice, assorted breads & yogurt will be served</i>)
9:00	Opening Remarks
	Welcome Workshop objectives Process and agenda for day
9:15	The air out there – issues circling CASA
	Presentations (<i>Process group</i>)
9:35	CASA Board & Executive
9:45	Communications Committee
9:55	Performance Measures Committee
10:05	Performance Evaluation Committee
10:10	Procedural Guidelines Review and Vision Committees
10:15	Panel discussion
10:30	Break (<i>coffee, tea, juice, fresh fruit</i>)
	Presentations (<i>Ambient group</i>)
10:45	Ambient Monitoring Strategic Planning Team
10:55	Operations Steering Committee/Ambient Air Quality
11:05	Airshed Council and Airshed Zones
11:40	Panel discussion
12:00	Lunch (<i>soup, build-your-own-sandwich buffet, assorted salads, cookies</i>)
1:00	Speed dating for project teams (<i>Current project teams</i>)
	<ul style="list-style-type: none"> • Indoor Air Quality Project Team • Confined Feeding Operations Project Team • Vehicle Emissions Team • Clean Air Strategy Working Group • Electricity Framework – 5 Year Review Working Group
2:00	Report back and large group discussion
2:25	Break (<i>juice, soft drinks, cookies</i>)
2:40	Team evolution (<i>Implementation teams</i>)
	<ul style="list-style-type: none"> • Particulate Matter and Ozone Implementation Team • Flaring and Venting Team
3:10	CASA Quiz (test the CASA savvy, with apologies to Hollywood Squares)
3:30	Wind-up and Closing Remarks
4:00	Workshop Ends

CASA Project Teams and Co-chairs

Team Acronym	Team Name and Project Manager		Co-chairs by Sector	
EXEC	Executive Committee <i>Jillian Flett</i> Secretary - Treasurer	Government Peter Watson President	NGO Martha Kostuch Vice-President	Industry Dave Byler Vice-President
AMSP	Ambient Monitoring Strategic Planning Project Team <i>Brian Free</i>	Government Bob Myrick		Industry Roxanne Pettipas
CAS	Clean Air Strategy Working Group <i>Matthew Dance</i>	Government Bettina Mueller	NGO Steve Kennet	Industry Al Mok
CC	Communications Committee <i>Sharon Hawrelak</i>		NGO Tony Hudson	Industry Alexandra Frison
CFO	Confined Feeding Operations Project Team <i>Matthew Dance</i>	Government Barb Shackel-Hardman	NGO Ross Warner	Industry Reints Palsma
EPT	Electricity Framework – 5 Year Review Working Group <i>Jillian Flett</i>	Government	NGO Linda Duncan	Industry Mike Kelly
FVPT	Flaring and Venting Implementation Team <i>Brian Free</i> (in abeyance until 2008)	Government Michael Brown	NGO Chris Severson-Baker	Industry John Squarek
HAHT	Human and Animal Health Implementation Team <i>Matthew Dance</i>		NGO Ruth Yanor	
IAQ	Indoor Air Quality Project Team <i>Kevin McLeod</i>	Government Roy Clough		Industry Dennis French
OSC	Operations Steering Committee Ambient Air Quality <i>Brian Free</i>	Government Tom Dickson		
PMO	Particulate Matter and Ozone Implementation Team <i>Brian Free</i>	Government Bob Myrick	NGO Ian Peace	Industry Claude Chamberland
PEC	Performance Evaluation Committee 2007 <i>Sharon Hawrelak</i>	Government Mike G. Boyd	NGO Myles Kitagawa	Industry Pending
PMC	Performance Measures Sub-Committee <i>Brian Free</i>	Government Bob Myrick	NGO Mary Griffiths	Industry Ted Stoner
VET	Vehicle Emissions Project Team <i>Kevin McLeod</i>	Government Alan Brownlee		Industry Gerry Ertel
VC	Vision Committee <i>Jillian Flett</i>	Government Carolyn Kolebaba	NGO Timothy Lambert	Industry Len Vogelaar

- Jillian
- Kevin
- Matthew
- Brian
- Sharon
- Government
- NGO
- Industry

CASA Coordination Workshop, June 20, 2007

CASA Board of Directors and Executive Committee

Purpose:

The Clean Air Strategic Alliance (CASA) was established in Alberta in 1994. CASA is a non-profit association with representation from three sectors – government, industry, and non-government organizations. All CASA groups and teams, including the Board of Directors, have representatives from these three sectors. The Board is comprised of up to 22 members and 22 alternate members.

The Board of Directors makes major decisions regarding the strategic direction and operation of CASA. All decisions and recommendations are made by consensus.

Executive Committee:

The Executive Committee has four positions and members from each sector (government, industry and non-government organizations) are represented. The Executive Committee oversees CASA finances. It also sets the agenda and presides at board meetings, and monitors board effectiveness and adherence to policies and procedures. The committee provides impartial leadership, liaises with government ministers, advocates on behalf of CASA and represents CASA.

Secretariat:

The Board has delegated the day-to-day operation of CASA to the Secretariat. The Executive Committee oversees the operation of the Secretariat.

Stakeholders:

The Board is accountable to CASA stakeholders. “Stakeholders” are defined as all groups of people that have a stake in the outcome and/or an interest in the particular air quality issue being addressed by CASA. The CASA mandate says that strategic air quality planning will be done through “shared responsibility” and “consensus.”

Tasks:

The **Board** is responsible for the strategic planning and issue prioritization processes used by the CASA board and project teams, namely “The Comprehensive Air Quality Management System (CAMS).”

Responsibilities for the CASA board as a whole include:

- Speak with one voice
- Set policies on direction and priorities, with an particular focus on long-term direction;
- Coordinate and commit resources
- Evaluate the results of CASA projects; and
- Regularly assess Board progress and functions.
- Establish and oversee the work of board committees and project teams
- Engage in various strategic planning exercises and provide overall direction to the organization

- Oversee and engage in CASA communications
- Set CASA priorities

Timeline:

The Board meets quarterly. The Executive Committee also meets quarterly prior to board meetings.

Actual or Potential Links with other Project Teams:

All Project Teams and Committees

The Board oversees, creates and disbands project teams and committees, and approves recommendations and reports. The Board also provides direction when necessary to project teams and committees.

Members:

(See list next page)

Executive Committee:

- Peter Watson, President (GOV)
- Martha Kostuch, Vice-President (NGO)
- Dave Byler, Vice-President (IND)
- Jillian Flett, Secretary-Treasurer and Executive Director

Secretariat:

- Jillian Flett, Executive Director
- Matthew Dance, Senior Project Manager
- Kerra Chomlak, Senior Project Manager (on leave, expected return Sept. 2007)
- Kevin McLeod, Project Manager (seconded from Alberta Health and Wellness)
- Brian Free, Project Manager (seconded from Alberta Environment)
- Sharon Hawrelak, Communications Advisor
- Lori Melanson, Office Manager
- Kathy Semchuk, Bookkeeper/Administrative Assistant
- Alison Jenness, Administrative Assistant

Board of Directors - updated June 1, 2007

Sector	Stakeholder group	Sector - Stakeholder Group Director, Association/affiliation	Alternate, Association/affiliation
Industry	Agriculture	Len Vogelaar Alberta Beef Producers	Humphrey Banack Wild Rose Agricultural Producers
Industry	Alternate energy	Theresa Howland Alternate Energy Producers	David Baker Alternate Energy Producers
Industry	Chemical manufacturers	Réjeanne Cool Canadian Chemical Producers Association	Al Schulz Canadian Chemical Producers Association
Industry	Forestry	Brian Gilliland Alberta Forest Products Association	Keith Murray Alberta Forest Products Association
Industry	Mining	Peter Darbyshire Mining industry	
Industry	Oil & gas (large producers)	Dave Byler (CASA vice-president) Canadian Association of Petroleum Producers	Bill Clapperton Canadian Association of Petroleum Producers
Industry	Oil & gas (small producers)	Vacant	
Industry	Petroleum products	Cindy Christopher Canadian Petroleum Products Institute	Ted Stoner Canadian Petroleum Products Institute
Industry	Utilities	Mike Kelly Utility industry	
Government	Provincial	Peter Watson (CASA President) Alberta Environment	Bev Yee Alberta Environment
Government	Provincial	Sandra Locke Alberta Energy	Jerry MacPherson Alberta Energy
Government	Provincial	Neil MacDonald Alberta Health and Wellness	Alex Mackenzie Alberta Health and Wellness
Government	Federal	Tim Goos Environment Canada	
Government	Local (urban)	Len Bracko Alberta Urban Municipalities Association	
Government	Local (rural)	Carolyn Kolebaba Alberta Association of Municipal Districts and Counties	

Government	First Nations	Pending	Pending
Government	Métis	Gerald Cunningham Métis Settlements General Council	Rick Boucher Métis Nation of Alberta
Non-government organization	Consumer/transportation	Vacant	
Non-government organization	Health	Tony Hudson The Lung Association - Alberta & NWT	Timothy Lambert Canadian Public Health Association
Non-government organization	Pollution	Myles Kitagawa Toxics Watch Society	Ian Peace Residents for Accountability in Power Industry Development
Non-government organization	Pollution	Chris Severson-Baker Pembina Institute	Linda Duncan Lake Wabamun Environmental Protection Association
Non-government organization	Wilderness	Martha Kostuch (CASA vice-president) Bert Riggall Environmental Foundation and the Prairie Acid Rain Coalition	Nashina Shariff Toxics Watch Society

CASA Coordination Workshop, June 20, 2007

Communications Committee

Purpose:

The goal of the CASA Communications Committee is to provide direction and advice to strategic internal and external communications initiatives, plans and priorities in support of the CASA mission and vision. The Communications Committee formulates communication policy and direction for recommendation to the CASA Board of Directors.

Tasks:

1. The committee fulfills an advisory role to the CASA Board of Directors regarding strategic communications planning.
2. The committee ensures that communications strategy is developed, implemented and evaluated.
3. The committee will report annually to the CASA Board by:
 - a. Presenting the proposed communications plan for the next year.
 - b. Reporting on implementation of the current plan.
 - c. Reporting on the performance evaluation of the committee.
4. The committee will ensure that sufficient resources exist to implement the communications plan.

Timeline:

The Communications Committee meets quarterly and additional meetings are called as necessary.

Actual or Potential Links with other Project Teams:

CASA Board

This is a committee of the CASA Board of Directors and the Board approves the annual strategic communications plan for the organization. The committee is currently working on a policy for stakeholder advertising and is overseeing the organization of this Coordination Workshop.

Performance Measures Committee (PMC)

The Communications Committee administers performance measure 5 and is assisting the Performance Measures Sub-Committee with performance measure 4, the stakeholder satisfaction survey.

All teams and committees

The annual strategic communications plan sets the strategic direction for all team and committee communications.

Membership:

Alexandra	Frison	Canadian Association of Petroleum Producers (CAPP)	Co-Chair
Tony	Hudson	The Lung Association, Alberta & NWT	Co-Chair
Brian	Waddell	Alberta Environment	Member
Ian	Peace	Residents for Accountability in Power Industry Development (RAPID)	Member
Michael	Edge	Alberta Energy	Member
Parker	Hogan	Alberta Forest Products Association	Member
Tim	Goos	Environment Canada, Prairie and Northern Region	Member
Lynn	McNeil	CAPP and Canadian Natural Resources Limited	Alternate
Jimmy	Sadden	Alberta Energy	Alternate
Ken	Sterling	RAPID	Alternate
Gloria	Trimble	Environment Canada	Corresponding
Jillian	Flett	CASA	Ex-officio
Sharon	Hawrelak	CASA	Project Manager

CASA Coordination Workshop, June 20, 2007

Performance Measures Subcommittee

Purpose:

1. To develop a process for calculating and assessing CASA's performance with respect to the 5 performance measures stated in CASA's Business Plan
2. To oversee the calculation of CASA's performance indicators according to the process developed.

Key Tasks:

1. To define one or more performance indicators for each of the performance measures
2. To develop a plan for obtaining a baseline for each indicator, to calculate each indicator, and to define a stewardship process for each indicator
3. To assess progress by comparing the current value of each indicator to the baseline value
4. To report to the CASA board on CASA's performance
5. To oversee the implementation and review of the developed CASA performance measuring process (i.e. the calculation of performance indicators).

Timeline:

- The performance measures subcommittee was formed in November 2000.
- The first three performance measures are calculated every 3 years and the last two are calculated annually. The three year calculations were last approved by the CASA board for 2004 and the next are due for 2007.
- In 2005, the subcommittee commenced a comprehensive review of performance measures and indicators which go to the CASA board for approval in June 2007.

Actual or Potential Links with other Project Teams:

Communications Committee

This committee provides stewardship for Performance Measure 5 (Degree of recognition) and provides assistance with Performance Measure 4 (Stakeholder satisfaction survey)

All CASA Project Teams

CASA's performance measure #3 assesses the implementation of recommendations approved by the Board. To do this, each project team is asked to rate the implementation of their "substantive" recommendations. A recommendation in the Performance Measures Subcommittee's 2007 report is to have CASA project teams assess their own performance relative to their terms of reference.

Membership:

Mary	Griffiths	Pembina Institute	Member
Bob	Myrick	Alberta Environment	Member
Ted	Stoner	Western Div., Canadian Petroleum Products Institute	Member
Jillian	Flett	CASA	Chair
Brian	Free	CASA	Project Manager

CASA Coordination Workshop, June 20, 2007

Performance Evaluation Committee 2007

Background:

CASA bylaws require a performance review every three years. It was recommended by a consultant conducting the last review in 2004 that an external consultant only be hired for every other evaluation. The Executive Committee recommended the following question be used to conduct the evaluation: *How effective is CASA in meeting the government of Alberta's clean air objectives?*

At its March 29, 2007 meeting, the CASA Board created the Performance Evaluation Committee 2007, a committee of the board, to develop and conduct the evaluation by the end of 2007.

Tasks:

- To evaluate CASA's performance in accordance with the CASA bylaws.
- Finalize the question to be used in the evaluation.
- Conduct the evaluation and analyze the results.
- Report to the CASA board on the results of the evaluation and any recommendations that may have arisen during or as a result of the evaluation.

Timeline:

Team formation – by end of June 2007

Terms of reference – by end of August 2007

Evaluation complete – by end of December 2007

Actual or Potential Links with other Project Teams:

Board

The Board will approve the terms of reference, question to be answered and final report. Board members may be interviewers or interviewed during the evaluation.

Membership:

Myles Kitagawa, Toxics Watch Society of Alberta, NGO

Mike G. Boyd, Alberta Energy, Government

John Squarek, Canadian Association of Petroleum Producers

Sharon Hawrelak, CASA Project Manager

CASA Coordination Workshop - June 20, 2007

Vision Committee

Background:

The CASA Vision is: *The air will be odourless, tasteless, look clear and have no measurable short or long term effects on people, animals or the environment.* At the September 2006 board meeting the CASA Board decided that the use of “odourless” in the Vision should be reviewed.

The proposed revised Vision is: *The air will have no adverse odour, taste or visual impact and have no measurable short or long term adverse effects on people, animals or the environment.*

Goal:

Review and update, if necessary, the CASA Vision.

Key Task Areas:

- Consider whether the Vision reflects the reality related to odours
- Revise vision as appropriate

Timelines:

June 2007 Report to CASA Board

Actual or Potential Links with other Project Teams:

All teams

Since the CASA Vision is the umbrella under which all CASA teams operate the revised Vision links to all project teams. However, the revision will not likely change any of the teams' activities.

Confined Feeding Operations Project Team

The revised vision may assist the Confined Feeding Operations project teams in addressing odour issues.

Membership:

Carolyn Kolebaba	Alberta Association of Municipal Districts and Counties
Len Vogelaar	Alberta Beef Producers
Tim Lambert	Canadian Public Health Association
Jillian Flett	CASA

CASA Coordination Workshop, June 20, 2007

Ambient Monitoring Strategic Planning Team

Goal:

Alberta will possess a dynamic, effective and efficient framework that provides the foundation for the development of a world-class ambient air quality monitoring system.

Objectives:

1. To build upon and improve the existing framework for the monitoring of ambient air quality in Alberta.
2. To expand the strategic plan to improve the dissemination of ambient air quality data and information in Alberta.
3. To develop an implementation plan based on the revised strategic plan for the monitoring of the ambient air quality in Alberta.

Key Task Areas:

1. Review and update *A Strategic Plan for Air Quality Monitoring in Alberta*, presented to the CASA Board in November 1995.
2. Review and update the *Alberta Ambient Monitoring Implementation Design Team – Report to the CASA Board*, presented to the CASA Board in December 1997.
3. Review ambient air quality monitoring frameworks in other jurisdictions.
4. Ensure that relevant stakeholders are consulted.
5. Prepare a new and improved framework, strategic plan and implementation plan for air monitoring in Alberta.

Timeline:

Revised Terms of Reference presented to the CASA Board.	2006
Final report and recommendations presented to the CASA Board	Early 2008

Actual or Potential Links with other Project Teams:

Clean Air Strategy

Air quality monitoring will likely be a component of the Clean Air Strategy.

Particulate Matter & Ozone Framework Implementation Team

Alberta's ambient monitoring system will be designed to adequately assess fine particulate matter and ozone levels throughout the province.

Flaring and Venting Project Team

Alberta's ambient monitoring system will be designed to adequately assess industrial emissions that impact certain regions of the province.

Electricity Project Team 5-Year Review

Alberta's ambient monitoring system will be designed to adequately assess industrial emissions that impact certain regions of the province.

Human and Animal Health Project Team

Alberta's ambient monitoring system includes human health and ecological effects related to air quality.

Confined Feeding Operations Project Team

Alberta's ambient monitoring system will be designed to adequately assess industrial emissions that impact certain regions of the province.

Ambient Monitoring – Operations Steering Committee

The AMSP Team will be producing a framework, strategic plan and implementation plan to guide air monitoring in Alberta. The Operations Steering Committee is a key stakeholder. Implementation will directly involve the Operations Steering Committee or a modified version thereof.

Performance Measures Subcommittee

Data for many CASA performance indicators will come from the ambient air monitoring network.

Membership:

Bob	Myrick	Alberta Environment	Co-Chair
Roxanne	Pettipas	ConocoPhillips Canada	Co-Chair
Bettina	Mueller	Alberta Environment	Member
Brian	Wiens	Environment Canada	Member
Chris	Severson-Baker	Pembina Institute	Member
David	McCoy	Husky Oil	Member
David	Spink	CEMA c/o Pravid Environmental Inc.	Member
Ian	Peace	RAPID	Member
James	Vaughan	Alberta Energy and Utilities Board	Member
Keith	Murray	Alberta Forest Products Association	Member
Ken	Omotani	TransAlta Corporation	Member
Kevin	Warren	Parkland Airshed Management Zone	Member
Merry	Turtiak	Alberta Health and Wellness	Member
Mike	Pawlicki	Lafarge Canada Inc.	Alternate
Findlay	MacDermid	RAPID	Alternate
Kim	Eastlick	Alberta Energy and Utilities Board	Corresponding
Myles	Kitagawa	Toxics Watch Society of Alberta	Corresponding
Brian	Free	CASA	Project Manager

CASA Coordination Workshop, June 20, 2007

Ambient Monitoring Operations Steering Committee (OSC)

Purpose:

To provide overall direction for the cooperative monitoring system by:

1. Tracking progress in achieving the strategic plan;
2. Setting the annual budget for the Data Warehouse;
3. Approving the annual work plan;
4. Establishing policies and procedures;
5. Revising the strategic plan as required, and
6. Reviewing and evaluating the system.

Expectations:

In general, the Operations Steering Committee (OSC) will meet twice per year. The OSC will function more like a Board and not deal with implementation details. It will report once a year to the CASA Board. Technical committees will be formed on an ad hoc basis. The OSC will need to meet in the spring to develop its budget and documentation. A meeting in the fall will assess progress and refine plans for the coming year.

Timeline:

The team meets twice per year and is preparing to provide input to the proposed Ambient Monitoring Strategic Plan and implementation plan.

Actual or Potential Links with other Project Teams:

Ambient Monitoring Strategic Planning Team

The AMSP team's framework, strategic plan, and implementation plan will have a major influence on the future work of the Operations Steering Committee.

Performance Measures Subcommittee

The CASA data warehouse is the main source of data for the proposed performance indicators.

Other Project Teams

Project teams making recommendations related to ambient air monitoring or data dissemination should be familiar with the CASA data warehouse. It is Alberta's main repository of air monitoring data. This will eventually include ambient monitoring data from governments, airshed organizations and industry.

Membership:

Tom	Dickson	Alberta Environment	Chair
Michael	Bisaga	Lakeland Industry & Community Association	Member
Glynis	Carling	Imperial Oil Resources	Member
Shane	Lamden	NOVA Chemicals Corporation	Member
Keith	Murray	Alberta Forest Products Association	Member
Bob	Myrick	Alberta Environment	Member
Albert	Poulette	Alberta Environment	Member
Janine	Ross	Alberta Environment	Member
Bob	Scotten	West Central Airshed Society	Member
John	Squarek	Canadian Association of Petroleum Producers	Member
Merry	Turtiak	Alberta Health and Wellness	Member
Kevin	Warren	Parkland Airshed Management Zone	Member
Brian	Wiens	Environment Canada	Member
Brian	Free	CASA	Project Manager

CASA Coordination Workshop, June 20, 2007

Alberta Airsheds Council (AAC)

Purposes:

- Identify and advocate for common interests of Alberta airshed zones;
- Facilitate communication and cooperation between airsheds and between airshed zones and the public.

Goals & Objectives:

- Communicating on a broad scale between airsheds in Alberta and with Albertans and others;
- Facilitating information sharing between airsheds;
- Acting as a resource for forming airsheds;
- Providing a forum for discussing issues and concerns common to airsheds zones, and developing strategies and processes to address those issues;
- Delegating airshed representation for various CASA working groups and project teams;
- Hosting an airshed workshop about every two years on topics of mutual interest to airsheds;
- Strengthening the relationships between airsheds and regulatory agencies.

Timeline:

AAC has held four meetings since an initial meeting in May 2006; next meeting is June 26 in Calgary.

Investigating representation on CASA Board of Directors in near future.

Will host the second Zones Conference October 22 & 23, 2007 at the Radisson Airport Hotel in Calgary. The first conference was hosted by CASA in Edmonton in October 2005.

Actual or Potential Links with CASA Project Teams:

Ambient Monitoring Operations

All of the AAC member airsheds have representation on the operations steering committee. This group could be utilized to oversee and coordinate the ongoing implementation strategies developed to satisfy management frameworks developed by CASA teams or others, for example the PM and Ozone Management Framework.

Ambient Monitoring Strategic Planning

Some of the AAC member airsheds have representation on the team, all of the airsheds have interest in the strategic & implementation plan being developed by the team, specifically any recommendations that have potential impacts for airsheds.

Confined Feeding Operations

Two airsheds have representation on this team and have also conducted air quality monitoring in the vicinity of confined feeding operations. A third airshed has also identified emissions from CFOs as an issue of concern.

Flaring & Venting

No airsheds have direct representation on this team but there are mutual areas of interest in the areas of emissions inventories, flaring & venting reduction strategies, and characterization of flaring emissions.

Particulate Matter & Ozone Implementation Team

A number of airsheds have representation on this team, and five are located in areas that require Ozone Management Plans under the CASA PM and O₃ Management Framework. One airshed has formed an Ozone Management Team that is currently in the early stages of collecting emissions, modeling and monitoring data.

Membership:

Alberta Capital Airshed Alliance (ACAA)
Calgary Region Airshed Zone (CRAZ)
Fort Air Partnership (FAP)
Lakeland Industry & Community Association (LICA)
Palliser Airshed Society (PAS)
Parkland Airshed Management Zone (PAMZ)
Peace Airshed Zone Association (PASZA)
West Central Airshed Society (WCAS)
Wood Buffalo Environmental Association (WBEA)

CASA Coordination Workshop – June 20, 2007

Indoor Air Quality Project Team

Purpose:

The Indoor Air Quality Project Team is dedicated to facilitating the development of comprehensive and coordinated approaches to addressing indoor air quality concerns in Alberta. The work of the IAQ Project Team is consistent with the following CASA goals:

1. Protect the environment and human health;
2. Optimize economic performance and efficiency;
3. Seek continuous improvement; and

In consideration of the CASA vision for air quality: *“The air will have no adverse odour, taste or visual impact and have no measurable short or long term adverse effects on people, animals or the environment.”*; the vision of the IAQ Project Team for indoor air quality is: *“The indoor air where people live, work and recreate will be free from physical, chemical and biological contaminants that adversely affect the health, safety and comfort of the occupants.”*

Indoor Air Quality (IAQ) is the quality of air affecting the short and long term health, safety and comfort of occupants. The IAQ Project Team will focus at the strategic level and accommodate changes to their scope of interest in the event of emerging or evolving issues pertaining to indoor air quality.

Tasks:

Current and progressive tasks of the IAQ Project Team are as follows:

1. Describe current roles and jurisdiction on IAQ management in Alberta.
 - Identify current IAQ reference materials, resources, legislation, and other relevant documents applied by principle stakeholders in addressing IAQ issues in Alberta.
2. Identify opportunities to improve knowledge and coordination of stakeholders respective roles and jurisdiction in IAQ initiatives and responsibilities
3. Improve our collective ability to address IAQ issues in Alberta
4. Increase public awareness on IAQ issues
5. Facilitate the delivery of an Educational Symposium in IAQ
6. Identify key issues pertaining to IAQ management in Alberta including recommended strategies to address those issues.
7. Report to the CASA board of Directors

Timelines:

The IAQ Working Group was constituted in May 2004 and reconstituted under a refreshed terms of reference in December 2006.

Tentative timelines to key tasks have been proposed as follows:

1. Compendium of IAQ Reference Materials: May 2007
2. IAQ Project Team Retreat: July 2007
3. IAQ Educational Symposium: Fall 2008

Potential Links with Other Project Teams:

1. Clean Air Strategy
2. Human and Health Implementation Team
3. Performance Measures Sub-committee
4. Communications Committee
5. Ambient Monitoring Strategic Planning Working Group

Team Members:

Ludmilla Rodriguez	Capital Health
Dennis French	DF Technical & Consulting Services Ltd. (Co-chair)
Brenda Woo	Health Canada
Diane Radnoff	Employment Immigration and Industry (Co-Chair)
Anand Mishra	Canada Mortgage and Housing Corporation
Ashish Mohapatra	Calgary Health Region
Roger Steele	Building Owners and Management Association
TBD	Alberta Lung Association
Jason Foster	Alberta Federation of Labour
Les Hagen	Action on Smoking and Health
Darcy Garchinski	Northern Lights Health Region
Russell Miyagawa	Toxics Watch Society of Alberta
Tim Leung	Alberta Infrastructure and Transportation
Merry Turtiak	Alberta Health and Wellness
Raymond Wong	Alberta Environment
Kevin McLeod	CASA – Project Manager

CASA Coordination Workshop, June 20, 2007

Confined Feeding Operations Project Team

Purpose:

The CASA Confined Feeding Operations Project Team works within the CASA consensus process to develop a strategic plan to improve the management of air emissions from existing and future CFOs in Alberta and to improve relationships between stakeholders.

In developing the plan, the team considers the following principles:

- continuous improvement and pollution prevention to protect air quality;
- prevention of short and long-term adverse effects on human, animal and ecosystem health due to air emissions; and
- assurance that air quality recommendations maximize social, economic, environmental and health benefits and minimize social, economic, environmental and health costs.

Key Tasks:

1. Create mutual understanding of the CASA process.
2. Improve stakeholders' understanding of air quality issues related to CFOs.
3. Gather information related to air quality issues.
4. Identify information gaps and work to fill those gaps, by using internal and external resources or by making recommendations for future work.
5. Based on determined needs, conduct risk analyses.
6. Identify and assess components of an air quality strategic plan.
7. Consider the need for, and possible approaches to communication and/or consultation with the public.
8. Evaluate the project team's achievement of its goal and make recommendations for subsequent process(es).
9. Develop a final report and recommendations to the CASA board, including a plan for tracking the implementation of the strategic plan and reporting to CASA board on the implementation of the plan.

Timeline:

- Status reports to CASA Board – quarterly
- Interim report to confirm direction and progress with CASA Board – June 2006
- Final report and recommendations – 2007

Work underway:

Four sub-groups are working to inform the team's decisions (see sub-group description sheets for more info): Management Mechanisms, Jurisdictional Review, Effects and Emissions Inventory Sub-groups.

A definition of odour has been agreed upon by consensus.

Actual or Potential Links with other Project Teams:

Human and Animal Health Implementation Team

There is mutual interest in the areas of ecological effects and human health effects.

Clean Air Strategy Working Group

There is a potential for the outcome of this team to be included in the Clean Air Strategy.

Membership:

Rients	Palsma	Alberta Milk	Co-Chair
Barbara	Shackel-Hardman	Alberta Agriculture, Food and Rural Development	Co-Chair
Ross	Warner	Soc.for Environmentally Resp. Livestock Operations	Co-Chair
Humphrey	Banack	Wild Rose Agriculture Producers	Member
Ann	Baran	Southern Alberta Environmental Group	Member
Bob	Barss	Alberta Association of Municipal Districts &Counties	Member
Maureen	Elko	Chinook Health Region	Member
Paul	Hodgman	Alberta Pork	Member
Ahmed	Idriss	Alberta Environment	Member
Bruce	Inch	Government of Canada	Member
Martha	Kostuch	Bert Riggall Environmental Foundation	Member
Norm	Lowe	Alberta Urban Municipalities Association	Member
Doris	Ludlage	Alberta Poultry Producers	Member
Jim	McKinley	Government of Alberta	Member
Debra	Mooney	Alberta Health and Wellness	Member
Usha	Mulukutla	Calgary Health Region	Member
Denis	Sauvageau	Friends of an Unpolluted Lifestyle	Member
Rich	Smith	Alberta Beef Producers	Member
Len	Vogelaar	Alberta Beef Producers	Member
Kevin	Warren	Parkland Airshed Management Zone	Member
Eugene	Wauters	Alberta Association of Municipal Districts &Counties	Member
Brian	Wiens	Environment Canada	Member
Brenda	Woo	Health Canada	Member
Cheryl	Bradley	Southern Alberta Environmental Group	Alternate
Jodi	Hesse	Alberta Pork	Alternate
Grace	MacGregor	Wild Rose Agricultural Producers	Alternate
Ian	Peace	Residents for Accountability in Power Industry Dev.	Alternate
Stuart	Thiesson	Alberta Beef Producers	Alternate
Jim	Turner	Natural Resource Conservation Board	Alternate
Kimberley	Williams	Alberta Pork Producers	Alternate
Atta	Atia	Alberta Agriculture, Food and Rural Development	Corresponding
Kris	Chawla	Government of Alberta	Corresponding
Marilyn	Craig	Alberta Energy and Utilities Board	Corresponding
Stephan	Gabos	Alberta Health and Wellness	Corresponding
Ray	Harrison	Alberta Sheep & Wool Commission (ASWC)	Corresponding
Barb	Hazelton	Alberta Environment	Corresponding
Jim	Kiss	The Farmers Advocate	Corresponding
Brian	Koberstein	Alberta Agriculture Food and Rural Development	Corresponding
John	McGowan	Alberta Urban Municipalities Association	Corresponding
Gary	Sargent	Canadian Association of Petroleum Producers	Corresponding
Carrie	Selin	Alberta Milk	Corresponding
Mitch	Shier	Heenan Blaikie LLP Lawyers, SEPAC	Corresponding
Susan	Valentine	Alberta Association of Municipal Districts &Counties	Corresponding
Matthew	Dance	Clean Air Strategic Alliance	Project Manager

CASA Coordination Workshop – June 20, 2007

Vehicle Emissions Team

Purpose:

The Vehicle Emissions Project Team is dedicated to facilitating the development of comprehensive and coordinated approaches to reduce vehicle emissions in Alberta and to support the CASA vision of clean air. The work of the VE Project Team is consistent with the following CASA goals:

1. Protect the environment and human health;
2. Optimize economic performance and efficiency; and
3. Seek continuous improvement.

Tasks:

Current and progressive tasks of the VE Project Team are as follows:

1. Identify, evaluate and recommend areas of further action to reduce vehicle emissions.
2. Implement initiatives approved by the CASA board.
3. Influence/advocate implementation of policies and programs that reduce transportation emissions.
4. Serve as a resource/provide expertise to CASA teams and other organizations.
5. Identify and recommend communication/public education on vehicle emissions.
6. Identify gaps and make recommendations to address those gaps.

Related activities to the key tasks are and have been:

1. Identify potential reduction opportunities for on- and off-road heavy-duty vehicles.
2. Upgrade modelling for current and future vehicle emissions forecasts.
3. Identify and promote transportation demand management measures.
4. Implement initiatives approved by the CASA board such as the ROVER II Project .
5. Gather information on travel demand patterns.
6. Promote the Team's initiatives and projects.

Timelines:

The Vehicle Emissions Project Team has completed the field work associated with the ROVER II Project. The final report for the ROVER II Project is expected to be completed by the fall of 2007. In the meantime, the Vehicle Emissions Team will refresh its Terms of Reference with the idea of devoting continued attention to Transportation Demand Management as well as any other initiatives that may arise from the ROVER II Report.

Actual or Potential Links with other Project Teams:

1. Clean Air Strategy
2. Communications Committee
3. Indoor Air Quality Team
4. Ambient Monitoring Strategic Planning
5. Human and Animal Health Project Team
6. Particulate Matter & Ozone Implementation Team

Team Members:

Alan	Brownlee	City of Edmonton	Co-Chair
Gerry	Ertel	Canadian Petroleum Products Institute (CPPI) / Shell Canada Products Limited	Co-Chair
Casey	Chan	Alberta Environment	Member
Don	Szarko	Alberta Motor Association	Member
Gene	Syvenky	The Alberta Roadbuilders & Heavy Construction Association	Member
Greg	Bartlett	ATCO Gas	Member
John	Rilett	Climate Change Central	Member
Mayne	Root	Alberta Motor Transportation Association	Member
Myles	Kitagawa	Toxics Watch Society of Alberta	Member
Peter	Dzikowski	Alberta Infrastructure and Transportation	Member
Reed	Turner	Alberta Agriculture	Member
Ron	Schafer	City of Calgary	Member
Scott	Wilson	Alberta Motor Association	Member
Stewart	Henderson	ATCO Gas	Corresponding
Jack	Thompson	Calgary Motor Dealers Association	Corresponding
Josee	Maillette	Environment Canada	Corresponding
Lynda	Harvey	Natural Resources Canada	Corresponding
Kevin	McLeod	CASA	Project Manager

CASA Coordination Workshop, June 20, 2007

Clean Air Strategy Working Group

Background:

At their March 2007 board meeting, the CASA Board of Directors approved a Clean Air Strategy statement of opportunity brought forward by Alberta Environment.

Air quality has important effects on the well-being of Albertans and the environment. The rapid economic and population growth in the province, combined with the public's increased awareness of health and lifestyle issues highlight the need for an update to the 1991 clean air strategy for Alberta. The strategy would become the Government of Alberta's long term commitment to clean air, explore innovative ideas and respond to emerging issues.

Goal:

To develop a clean air strategy for Alberta.

Objectives:

Recommend a clean air strategy that would serve as the foundation of the Government of Alberta's long term strategy for clean air. The strategy will:

1. Protect the Environment
2. Optimize Economic Performance and Efficiency
3. Seek Continuous Improvement.
4. Provide a strategic framework for existing and future clean air initiatives.
5. Identify areas and issues of special focus
6. Demonstrate the commitment of government, industries and individuals to clean air in Alberta.
7. Signal to all Albertans the direction Alberta is going regarding clean air.
8. Clearly describe clean air outcomes

Guiding Principles:

The guiding principles presented here are intended to outline the values as well as the strategic questions and direction that should be considered when creating a Clean Air Strategy for Alberta. These guiding principles include, but are not limited to:

- Protect human health and ecological integrity within Alberta
- Encourage air quality management and decision making that uses a cooperative and constructive processes
- Support the various levels of government in their shared responsibility for air quality management
- Consult with stakeholders and / or the public on the Clean Air Strategy for Alberta
- Take a balanced, integrated, & multi-sectoral approach to address ecological and human health issues
- Take a parallel paths approach that encourages a process which identifies gaps and works concurrently to address those gaps
- Base decisions on the concepts of sustainable development or triple bottom line where environment, economics, and social well being are considered equally
- Design a Clean Air Strategy with a long term approach that considers demographics and economic growth

Timelines:

June 2007	Terms of Reference approved and a project team formed
September 2007	Clean Air Strategy Project Team first meeting
March 2008	Status report to the CASA Board
December 2008	Final report and recommendations presented to the CASA Board

Proposed membership on the project team may include:

Agriculture
Alberta Environment
Alberta Health and Wellness
Alberta Urban Municipalities Association
Canadian Association of Petroleum Producers
Canadian Natural Resources Ltd.
Environment Canada
First Nations
Imperial Oil
Métis
Pembina Institute
PPA Buyers
Prairie Acid Rain Coalition
Suncor Inc.
The Lung Association
Toxics Watch Society of Alberta
TransAlta Corp.
Transportation

Actual or Potential Links with other Project Teams:

The Clean Air Strategy will likely have linkages to every CASA team.

Working Group Membership:

Al	Mok	Suncor Inc. Resources Group
Alexander	MacKenzie	Alberta Health and Wellness
Anita	Sartori's	Canadian Natural Resources Limited
Bettina	Mueller	Alberta Environment
Christine	Byrne	Imperial Oil Resources
Colin	Pate	Alberta Energy
Jillian	Flett	Alberta Environment
Len	Bracko	Alberta Urban Municipalities Association
Long	Fu	Alberta Environment
Martha	Kostuch	Bert Riggall Environmental Foundation & Prairie Acid Rain Coalition
Matthew	Dance	Clean Air Strategic Alliance
Mike	Kelly	TransAlta Corporation
Nashina	Shariff	Toxics Watch Society of Alberta
Steve	Kennett	Pembina Institute
Tony	Hudson	The Lung Association, Alberta & NWT

CASA Coordination Workshop, June 20, 2007

Electricity Framework – Five Year Review Working Group

Background:

At the March 2007 Board meeting, the CASA Board of Directors approved a Statement of Opportunity brought forward by Alberta Environment to begin a five year review of the *Emissions Management Framework for the Alberta Electricity Sector* as outlined in the Electricity Project Team Report to Stakeholders (Nov 2003).

The Framework recommends that government undertake a multistakeholder review of Best Available Technology Economically Achievable and other related elements within the Framework during 2008. This includes a number of specific tasks set out in the recommendations.

Goal:

Review and update, if necessary, elements of the *Emissions Management Framework for the Alberta Electricity Sector Report to Stakeholders* as described in recommendation 29 and associated recommendations in the above report.

Key Task Areas:

- Update specific air emissions standards for new electric power plants constructed after 2010. This includes emissions of nitrogen oxides, sulfur dioxide, mercury, particulate matter and greenhouse gases as related to recommendation 25.
- Review new information related to List 2 substances and identify if further action is needed.
- Compile and review additional information that illustrates potential health effects associated with emissions from the electricity sector
- Review technology and technology specific requirements for the electricity sector
- Review new information on source characterization (including recommendation 71) and identify if further action is needed
- Review particulate matter reductions as per recommendation 22
- Review the use of reciprocating engines to determine if they should be considered as part of the framework (as per recommendation 12)
- Review whether the economic trigger referred to in recommendation 35 has been met
- Review whether the environmental trigger referred to in recommendation 34 has been met.
- Review continuous improvement reports submitted by industry pursuant to recommendation 29.
- Review the proposed federal regulatory agenda for air emissions as it related to the Framework and
- Make recommendations for future five year reviews

Timelines:

June 2007 Report to CASA Board on terms of reference
Nov 2008 Final report to CASA board on findings of review

Actual or Potential Links with other Project Teams:

Energy Efficiency and Conservation Project Team, Renewable and Alternative Energy Project Team

The electricity efficiency and conservation project team and the renewable and alternative energy project team have identified and discussed issues that may be of interest to the EPT project team.

Science Symposium on Nitrogen

The Science Symposium on Nitrogen also addressed issues relating to NOx that may be relevant to this team.

Particulate Matter & Ozone Implementation Team

Electricity generation is source of particulate matter and pre-cursors of ozone.

Membership:

Al	Schulz	Canadian Chemical Producer's Association Lake Wabamun Enhancement & Protection Association	Co-chair
Linda	Duncan	Alberta Environment	Co-chair
Long	Fu	TransAlta Corporation	Member
Mike	Kelly	Alberta Energy	Member
Bevan	Laing	Prairie Acid Rain Coalition	Member
David	Spink	Alberta Health and Wellness	Member
Merry	Turtiak	TransAlta Corporation	Member
Mike	Kelly	Toxics Watch Society of Alberta	Member
Nashina	Shariff	Alberta Environment	Member
Randy	Dobko		
	Marr-		
Tom	Laing	Pembina Institute	Member Project Manager
Jillian	Flett	Alberta Environment	

A notice will be given to previous Electricity Project Team members to provide them with an opportunity to participate in the EPT 5 year review project team

CASA Coordination Workshop, June 20, 2007
Particulate Matter & Ozone Framework Implementation Team

Goal:

To support and when required, facilitate, the timely implementation of the Alberta Particulate Matter and Ozone Management Framework (2003).

Objectives:

- Assess and report on progress in the implementation of the Alberta PM and Ozone Framework;
- Assist with, and provide advice in implementing the PM and Ozone Framework, and the associated recommendations to the CASA board (see attachment);
- Fulfill the role of the *multi-stakeholder* as referred to in the recommendations of the framework (see attachment);
- Provide input to and share information with the national process and Canada-Wide Standards for fine PM and Ozone process;
- Provide support and advice to groups developing management plans, and
- Facilitate, when necessary, cooperation and communication between implementers of the PM and Ozone Framework.

Key Task Areas:

1. Review and assess regularly the progress made towards implementing the PM and Ozone Framework.
2. Identify appropriate mechanisms for tracking and reporting progress.
3. Develop reports on progress of implementation of the PM and Ozone framework.
4. Discuss and provide advice on plans, including timelines, for implementation work.
5. Identify needs for future implementation work and make recommendations to fill the gaps.
6. Liaise with relevant stakeholders, including CASA project teams, governments, airshed zones and other stakeholders involved in particulate matter and ozone management.
7. Determine if any public consultation activities are required.
8. Report to the board.
9. Report to stakeholders.

Timelines:

- The implementation project team will assess the need for continuation of the team every 2 years.
- The team will report to stakeholders and the Board on progress of the implementation of the framework annually.

Actual or Potential Links with other Project Teams:

Airsheds

With the triggering of the management plan levels of the Framework, airsheds in the three urban Census Metropolitan Areas (Calgary, Edmonton and Red Deer) may request assistance with the development of management plans to reduce ozone levels.

Vehicle Emissions Team

Vehicle emissions contribute to ground-level ozone formation and the team may have a role in recommending the reduction of vehicle emissions as a management plan action to reduce ozone levels.

Membership:

Claude	Chamberland	Shell Canada Limited	Co-Chair
Bob	Myrick	Alberta Environment	Co-Chair
Ian	Peace	Residents for Accountability in Power Industry Development	Co-Chair
Alan	Brownlee	City of Edmonton	Member
David L.	Day	City of Calgary	Member
Debra	Hopkins	Health and Wellness	Member
Myles	Kitagawa	Toxics Watch Society of Alberta	Member
Martha	Kostuch	Bert Riggall Environmental Foundation & Prairie Acid Rain Coalition	Member
Rachel	Mintz	Environment Canada	Member
Keith	Murray	Alberta Forest Products Association	Member
Stan	Nowakowski	City of Calgary	Member
Mike	Pawlicki	Lafarge Canada Inc.	Member
Scott	Sangster	NOVA Chemicals - Joffre Site	Member
Dave	Slubik	EPCOR	Member
John	Squarek	Canadian Association of Petroleum Producers	Member
Lisa	Stroscher	Calgary Heath Region	Member
Darcy	Walberg	Agrium	Member
Kevin	Warren	Parkland Airshed Management Zone	Member
Andrew	Clayton	Alberta Environment	Corresponding
Long	Fu	Alberta Environment	Corresponding
Crystal	Parrell	Alberta Environment	Corresponding
Gina	Rau	Graymont Western US Inc.	Corresponding
Kristofer	Siriunas	Alberta Energy and Utilities Board	Corresponding
Brian	Free	CASA	Project Manager

CASA Coordination Workshop, June 20, 2007

Flaring and Venting Implementation Team

Purpose:

- To assess the performance and make recommendations regarding the Alberta solution gas flaring management framework.
- To develop recommendations to address a broader range of flaring and gas venting issues in Alberta.

Key Outcomes:

The Alberta Energy and Utilities Board addressed the 44 recommendations from all three CASA Flaring and Venting Team reports at the same time via Directive 60, which came into effect on Jan 31, 2007.

Decisions are pending from Alberta Energy on the two recommendations regarding royalties. The Canadian Association of Petroleum Producers updated the CASA board in late 2006

In Alberta, solution gas flaring has been reduced by 72 per cent since 1996, and solution gas venting has been reduced by 59 per cent since 2000. Overall, 96.3% of all solution gas produced in Alberta in 2005 was conserved for use or sale, rather than being flared and vented. (Source: Alberta Energy and Utilities Board, May 2007)

The team recommended a unique management framework to deal with solution gas flaring, and within the overall framework, recommended innovative actions to achieve the overall goal of eliminating this source of emissions.

CASA received the 2005 Canadian Council of Ministers of the Environment Pollution Prevention Award for the Flaring and Venting Project and the 1999 Alberta Emerald Award for management of routine solution gas flaring.

Timeline:

The Flaring and Venting project team met in 2006 to discuss progress on implementation of the framework and subsequently updated the CASA board on expected completion dates of five best practices management guides:

- Fugitive emissions and facility flaring - December 31, 2006.
- Well test flaring - March 31, 2007.
- Flare maintenance and venting close to residences - December 31, 2007.

The team is in abeyance until 2008 when it will meet again to review implementation.

Actual or Potential Links with other Project Teams:

Human and Animal Health Team

One of the key reasons for creating a project team to reduce flaring and venting from the petroleum industry was the public concern about the health effects of flaring and venting emissions.

Particulate Matter & Ozone Implementation Team

The reduction of flaring and venting has the benefit of reducing emissions of particulate matter and ozone precursors from the upstream petroleum sector.

Performance Measures Subcommittee

Volumes of solution gas flared and vented by the upstream petroleum industry has been recommended as a CASA performance indicator.

Membership:

Chris	Severson-Baker	Pembina Institute	Co-Chair
John	Squarek	Canadian Association of Petroleum Producers	Co-Chair
Michael	Brown	Alberta Energy & Utilities Board	Co-Chair
Andrew	Higgins	Canadian Natural Resources Limited	Member
Barry	Ranger	Small Explorers & Producers Assoc. of Canada (SEPAC)	Member
Danielle	Moffat	Alberta Energy	Member
Debra	Hopkins	Health and Wellness	Member
Doreen	Rempel	MGV Energy Inc. / CSUG	Member
Ian	Peace	Residents for Accountability in Power Industry Development (RAPID)	Member
Jeff	Cormier	Department of Energy	Member
Jim	Spangelo	Alberta Energy and Utilities Board (EUB)	Member
Len	Vogelaar	Alberta Beef Producers	Member
Martha	Kostuch	Bert Riggall Environmental Foundation & Prairie Acid Rain Coalition	Member
Ralph	Smith	Wildrose Agricultural Producers	Member
Randy	Dobko	Alberta Environment	Member
Thom	Sedun	Government of BC, Oil and Gas Commission	Member
Wayne	Hillier	Husky Oil Limited	Member
Terri	Carroll	SEPAC	Corresponding
Brian	Free	CASA	Project Manager

CASA Coordination Workshop, June 20, 2007

Human & Animal Health Implementation Team

Purpose:

- To provide a plan for implementation of the recommendations from the Human Health Project Team and the recommendations from the Animal Health Project Team.
- Successfully complete specific objectives as identified below.

Objectives:

- Review and provide an implementation plan for the recommendations from the Human Health Project Team (Appendix 3). Support the implementation of the plan as appropriate.
- Provide an implementation plan for the recommendations from the Animal Health Project Team (Appendix 2). Support the implementation of the plan as appropriate.
- Identify emerging issues in the area of air emissions and their effects on human and animal health.
- Organize a workshop(s) to disseminate information about the HERS system.
- Receive information about current and future research in the areas of human and animal health.
- Make recommendations to the CASA Board to address emerging issues and research.
- Provide information support to other project teams.
- Periodically evaluate, review and make any needed changes to the Herd and Environmental Record System and the Community Monitoring Brochure.
- Ensure adequate and appropriate communication with all stakeholders.

Timeline:

Human and Animal Health Working Group convenes	June 2003
HAHT Terms of Reference approved by the CASA Board	March 2004
Report to the CASA board	Sept. 2007

Membership:

Ruth	Yanor	Mewassin Community Action Council	Co-Chair
Al	Schulz	Canadian Chemical Producer's Association	Member
Angela	Varley	Petro Canada	Member
Bob	Savage	Alberta Environment	Member
Brenda	Woo	Health Canada	Member
Bryan	Haggarty	Health Canada, Alberta/Northwest Territories Region	Member
Gary	Sargent	Canadian Association of Petroleum Producers	Member
Greg	Ritz	Rocky Mountain House Community Health Centre	Member
Ila	Johnston	Parkland Airshed Management Zone	Member
Jim	Benum	Alberta Energy and Utilities Board	Member
Joe	Kendall	Alberta Agriculture, Food and Rural Development	Member

John	Squarek	Canadian Association of Petroleum Producers	Member
Judy	Huntley	Bert Riggall Environmental Foundation	Member
Kim	Eastlick	Alberta Energy and Utilities Board	Member
Laura	McLeod	David Thompson Health Region	Member
Martha	Kostuch	Bert Riggall Environmental Foundation & Prairie Acid Rain Coalition	Member
Merry	Turtiak	Alberta Health and Wellness	Member
Raymond	Wong	Alberta Environment	Member
Simon	Cobban	Intensive Livestock Working Group	Member
Matthew	Dance	Clean Air Strategic Alliance	Project Manager