

ALBERTA CAPITAL AIRSHED ALLIANCE



2008

ANNUAL REPORT

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Message from the Executive

The time since the last annual general meeting of the Alberta Capital Airshed Alliance (ACAA) has been remarkable for its level of activity and achievement.

In 2006, ozone concentrations in the Edmonton Census Metropolitan Area (CMA) triggered the development of a management plan under the CASA Particulate Matter and Ozone Framework, an ozone management plan. With the financial support of Alberta Environment, the ACAA served as the lead organization of the Capital Airshed Partnership (CAP), a coalition of the three airshed organizations whose borders overlap with the CMA.

Work to develop the plan included compiling emissions inventories, policy analysis, recommendations development, and stakeholder consultation. The extraordinary dedication and effort of the CAP members, stakeholders, and consultants was successfully brought in the ozone management plan, on-time, and the plan has been very well received by the Department.

In February 2009, ACAA secured its first Executive Director, Kristina Friesen, who has been making great progress improving the Alliance's administrative systems and bringing a new level of professionalism to the organization.

As the Alliance looks forward to a new year of activity and continuing evolution, the co-chairs extend our thanks and appreciation for the effort, support, and contributions of the members who have made our recent past so successful.

Allan Mumby

Vice-President

Myles Kitagawa

President



ACAA Business Plan 2009-2011

In 2008 the Alberta Capital Airshed Alliance established a five year business plan outlining the Alliance's business goals in the near and medium term, and highlights several performance measures for evaluating progress on the Plan. In addition, the Alliance documents the guiding principles and values of the organization. Some key highlights from the ACAA Business Plan 2009 - 2011 are:

ACAA Vision

Residents within the Alberta Capital Airshed Alliance region live, work, and play in a safe and healthy environment with consistently high calibre air – air that is odorless, tasteless, looks clear, and has no measurable short or long-term adverse effects on people, animals, or the environment

ACAA Mission

To provide easily accessible, high quality data and expertise vital to develop comprehensive air quality management plans – clean air solutions that keep the Capital Region air clean and ensure our air is always better than provincial objectives and Canada-wide standards for air quality. To protect and improve the air quality in the Capital Region for our current residents and visitors, as well as for future generations

Guiding Principles

ACAA members will:

- Be guided by honesty and integrity;
- Be sensitive to the needs of all participants; and

- Use a consensus decision-making model and then act on decisions as a single entity

Members will remain committed to achieving the ACAA Vision, Mission, and General Operating Principles

Opportunities for all members to participate will be fair and equitable

ACAA processes and proceedings will be open and transparent to the public and all stakeholders

Goals

One of the five stated goals of the ACAA is to "Develop an administrative structure and mechanism that allows the ACAA to carry out the vision, mission, and mandate of the alliance." In February 2009, ACAA secured its first Executive Director, a step that will help accomplish this goal.

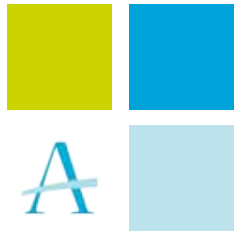
Performance Measures

The ACAA Business Plan outlines the following near term performance measures to be achieved by 2010:

- Completion of the Network Assessment
- Completion of the Ozone Management Plan
- Establishment & Implementation of a Sustainable Funding Formula
- Sustainable Membership Base

The Ozone Management Plan is complete, approved by the Capital Airshed Partnership, and accepted by Alberta Environment. In addition, the network assessment will be finalized in 2009.





Ozone Management Plan

With the financial support of Alberta Environment, the ACAA served as the lead organization of the Capital Airshed Partnership (CAP), to develop a plan to ensure that O₃ concentrations in the Edmonton census metropolitan area do not exceed the Canada Wide Standard or CASA Management planning trigger for ground-level ozone.

The Plan is based upon the efforts of those within the major NO_x emitting sectors to reduce their emissions through continuous improvement in technology and processes in the industrial, electrical and transportation sectors. Through the stakeholder consultations that have been conducted in the development of this Plan, the Capital Airshed Partnership (CAP) Steering Committee has been satisfied that the planned initiatives within these sectors will be sufficient to ensure that these exceedances do not occur

The recommendations contained within this Plan provide short-term, long-term and continuing roles for NO_x emitters, the Capital Airshed Partnership, Alberta Environment, and Airsheds and municipalities within the Edmonton CMA. To become established as an on-going implementation team, over the next two years the Capital Airshed Partnership will implement the near-term work plan including:

1. Communicating the Management Plan to municipalities with a request to take action on anti-idling legislation and other actions to reduce emissions.
2. Developing a process for the review of current ambient air monitoring including a standardized methodology that will ensure (a) comparable data and analysis, (b) standardized quality assurance/quality control

methods, and (c) continuity and consistency across airsheds.

3. Supporting Alberta Environment and other stakeholders in the development of regional modeling, including a review of how other regional approaches could be adapted to the Edmonton CMA.
4. Assisting Alberta Environment to identify data gaps, including, but not limited to additional sources of ozone precursor emissions, ambient monitoring and identifying processes to fill those data gaps.
5. Developing a framework for a contingency plan for ozone management in the event of higher than expected O₃ concentrations based on improved monitoring, modeling, inventories and multi-stakeholder input.

The Capital Region Ozone Management Plan resulted from a successful collaboration of the airsheds in the Edmonton CMA, Alberta Environment, and the stakeholders interested in air quality in the Capital Region. Without their participation and support, neither this Plan nor its implementation would be possible. This collaborative effort will ensure that the interests of all stakeholders are accommodated while meeting the expectation of ensuring clean air for the residents of the Edmonton CMA.



FINANCIAL SUMMARY

Assets

Servus Membership	\$	50.00
Cash	\$	135,006.48
Computer	\$	1,999.00
Accumulated depreciation	\$	(549.73)
Total Assets	\$	<u>137,055.48</u>

Liabilities

Accounts Payable	\$	<u>4,420.42</u>
Total Liabilities	\$	<u>4,420.42</u>

2008

Revenues

	Actual	Budget
Membership Fees	\$5,550.00	\$8,050.00
Capital Health / Health Canada contract	\$50,000.00	\$50,000.00
AB ENV O3 contract	\$125,000.00	\$125,000.00
O3 cost share (PAMZ, CRAZ)	\$36,763.00	\$0.00
	<u>\$217,313.00</u>	<u>\$183,050.00</u>

Expenses

Ozone Management Plan	\$108,122.49	\$92,365.60
Network Assessment	\$7,350.00	\$12,000.00
Website	\$140.00	\$4,500.00
	\$0.00	\$6,000.00
Program Administration	\$12,114.90	\$100,000.00
Office Equipment	\$4,009.84	\$0.00
Bank Fees	\$92.25	\$0.00
Audit	\$0.00	\$8,400.00
Misc. expenses	\$2,517.50	\$600.00
	<u>\$134,346.98</u>	<u>\$223,865.60</u>

Net Profit**\$82,966.02**

Bank Reconciliation

Balance per ledger	\$	135,006.48
Balance per statement	\$	130,006.48
Outstanding deposit	\$	<u>5,000.00</u>
	\$	<u>135,006.48</u>

Reviewed and approved on behalf of the Society:

 Brent Korobanik, Director

 Dana Schmidt, Treasurer

Glossary

Capital Airshed Partnership (CAP)

The partnership of the Alberta Capital Airshed Alliance, the Fort Air Partnership and the West Central Airshed Society; the three airsheds overlapping the Edmonton CMA.

Canada-Wide Standard (CWS)

The CWS are developed by the Canadian Council for Ministers of the Environment and ratified by all provinces and territories except Quebec. The standards are guidelines for pollutant levels to be achieved voluntarily. The standard for ground-level ozone is 65 ppb, 8-hour averaging time, with achievement based on the 4th highest measurement annually, averaged over three years.

CASA Management Planning Trigger for Ozone

The CASA Particulate Matter and Ozone Management Framework (2003) outlines

four different action triggers equivalent to specified ambient concentrations. At the management plan action level, stakeholders are to develop a plan for managing emissions. The management plan action level for ozone is 58 ppb and is evaluated using the same metric as the CWS.

Census Metropolitan Area (CMA)

A CMA is an area consisting of one or more adjacent municipalities around an urban core. The Edmonton CMA includes 35 municipalities, and three airshed zones overlap with the CMA borders.

Ground level ozone (O₃)

Ozone occurs naturally in the upper atmosphere and protects us from ultraviolet radiation. However, ozone can also form at ground level where it is a major component of smog. It is created through the reaction of nitrogen oxides (NO, NO₂) and volatile organic compounds (VOC) in the

presence of ultraviolet light. Ozone is a strong oxidizing agent and can irritate eyes, nose and throat.

Oxides of Nitrogen (NO_x)

Oxides of Nitrogen (NO_x) is the term for the sum of NO and NO₂. The most significant of the two is NO which is produced when N₂ and O₂ in the air react during high-temperature combustion. NO is converted to NO₂ in the air. These two together are important for the formation of ground level ozone.





Our Board of Directors

Office	Director,	Affiliation
President	Myles Kitagawa	Toxic Watch Society of Alberta
Vice President	Allan Mumby	Strathcona Industrial Association
Secretary	Dana Schmidt	Town of Stony Plain
Treasurer	Ken Darby	Parkland County
Director	Brent Korobanik	Lehigh Cement
Director	Nadien Blaney	Alberta environment
Director	Steve Probert	Capital Health

Participating Members

Alberta Plywood
Alberta Health Services - Capital Health
Alberta Research Council
ATCO Midstream
City of Edmonton
ECO-AIR: Edmonton's Children, Organized Anti-Idling Recruiters
Hexion Specialty Chemicals
Leduc County
Lehigh Cement
Parkland County
RBW Waste Management
Strathcona Industrial Association
Toxics Watch Society of Alberta
Town of Stony Plain



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