

2009 annual report

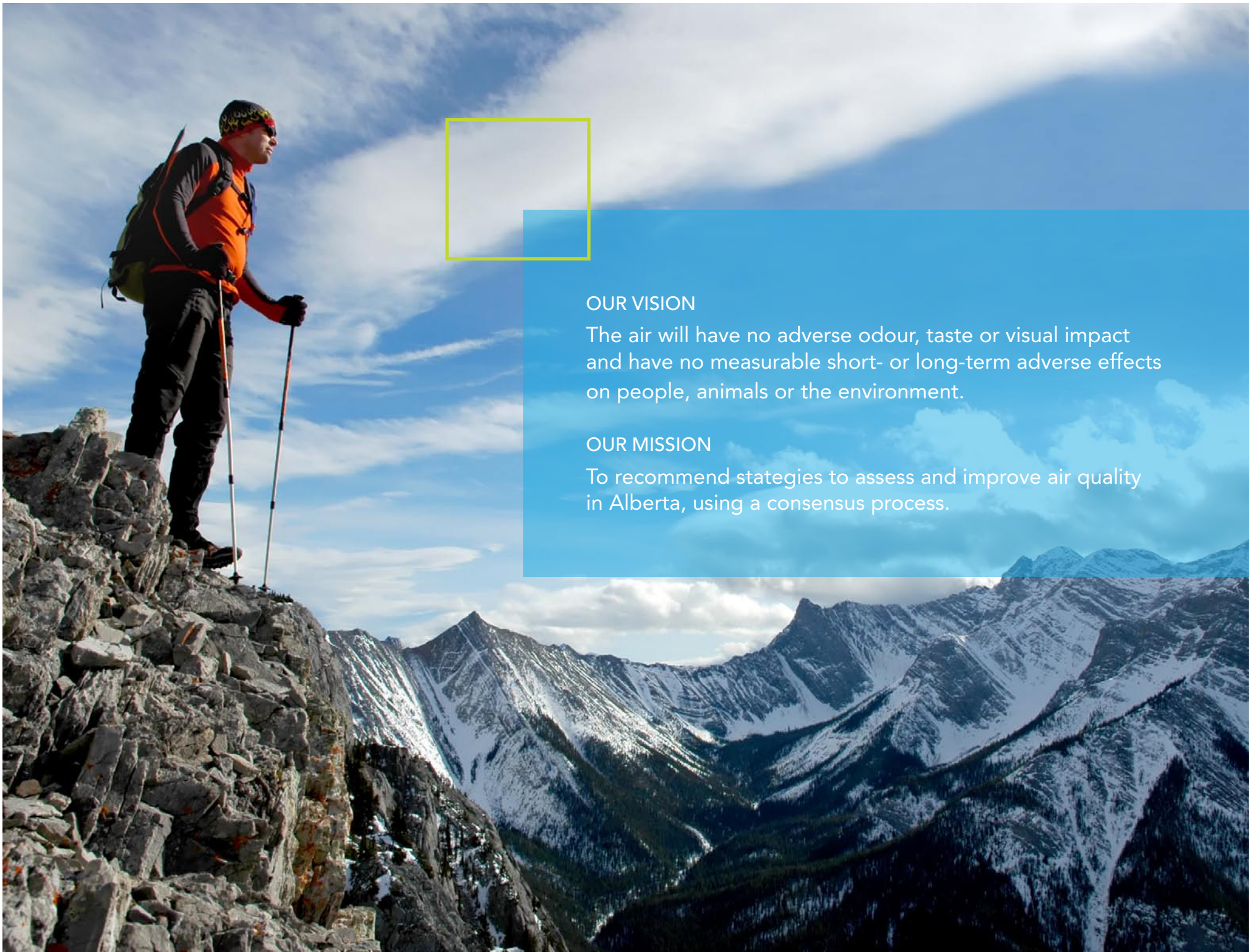






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OUR VISION

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.

OUR MISSION

To recommend strategies to assess and improve air quality in Alberta, using a consensus process.



about CASA

Fifteen years after the Clean Air Strategic Alliance (CASA) was established by ministerial order in 1994, the list of successes continues to grow. A multi-stakeholder partnership of representatives selected by industry, government and non-government organizations, every CASA partner is committed to a comprehensive air quality management system for Alberta.

All groups and teams, including the board of directors, make decisions and recommendations by consensus. Consensus is reached when there is unanimous agreement and each stakeholder can live with the outcome. These recommendations are likely to be more innovative and longer lasting than those reached through traditional negotiation processes.

MANDATE

CASA's mandate includes three components:

1. implementing the Comprehensive Air Quality Management System (CAMS) for Alberta.
2. conducting strategic air quality planning for Alberta through shared responsibility and the utilization of a consensus-building, collaborative approach. That includes:
 - clear identification of issues,
 - prioritization of current and emerging issues,
 - allocation and coordination of resources,
 - development of action plans, and
 - evaluation of results.
3. prioritizing concerns with respect to air quality in Alberta and developing specific actions or action plans and activities to resolve such concerns.

GOALS

Within that mandate, CASA supports three air quality management goals:

1. protecting the environment by preventing short- and long-term adverse effects on people, animals and the ecosystem,
2. optimizing economic efficiency, and
3. promoting pollution prevention and continuous improvement.



Over time, CASA has planted the seeds of many projects and has tended them carefully. In 2009, we watched many of them grow into vigorous and healthy successes.



highlights

Over time, CASA has planted the seeds of many projects and has tended to them carefully. In 2009, we watched many of them grow into vigorous and healthy successes, supported by their strong roots: a committed group of individuals all working toward common goals.

- **Electricity Framework Review**

The board approved 10 consensus recommendations including new emissions standards for new coal-fired power plants, and extended the team's work on standards for new gas-fired generation.

- **Recommendations for a Clean Air Strategy**

The Honourable Rob Renner, M.L.A., Minister of Alberta Environment and Ms. Diana McQueen, M.L.A. for Drayton Valley-Calmar, and Parliamentary Assistant to the Minister of the Environment, attended the June board meeting to receive this report which included fourteen goals for the future of air quality management in Alberta.

- **2009 Ambient Monitoring Strategy for Alberta**

The board accepted 26 recommendations establishing seven monitoring sub-programs for Alberta, a multi-stakeholder implementation committee, and an updated data management system. The board also agreed by consensus to the "emitter pays" principle, for funding the system into the future.

- **Priority Setting Workshop**

Over 40 stakeholders reached consensus on a list of 11 substances they recommended to Alberta Environment to develop new objectives or review existing Ambient Air Quality Objectives.

- **Procedural Guidelines**

The board approved by consensus our revised guidelines, which lay out the rules of engagement for the CASA board and teams, and outline roles and responsibilities of participants at the table. It was published in September.

- **Business Plan**

The CASA Business Plan identifies priorities for the organization over the next three years. Its four goals and 11 strategies are closely aligned with *The Recommendations for a Clean Air Strategy* and fall under the headings of: strategic development, air quality management, pollution prevention and continuous improvement, and knowledge and information.

- **Collaboration with the Alberta Water Council**

Synergies between our two organizations were capitalized on, with eight consensus recommendations approved by the board. Those included collaboration opportunities, education and awareness of the two organizations, and strategic linkages between air, land and water.

- **Martha Kostuch Legacy Workshop** (*Bridging Interests, Building Agreement*)

A joint project between CASA and the Alberta Water Council, this very successful workshop focused attention on consensus theory and practice. The workshop was also a tribute to Martha Kostuch's life and teachings.

message from the president



Clean air is an important part of our environment. Fortunately for Albertans, a sophisticated network of policies and partners are working together to ensure our air remains clean into the future. CASA has continued to play a key role in air quality management in Alberta, and this year was no exception. We renewed several key strategies, and set new strategic directions for our organization.

This year, CASA broke new ground with *Recommendations for a Clean Air Strategy*. Those recommendations recognized the need for a sustainable approach to air management. Four overarching strategic directions – governance, regional planning, pollution prevention and control, and knowledge and information – will guide the future Clean Air Strategy for Alberta.

Alberta is moving toward a new approach to managing the environment, considering holistic impacts on our air, land and water. The concept of cumulative effects is complex, requiring solutions involving all levels of government, all emitters, and all individuals. CASA and other multi-stakeholder organizations are well equipped to assist with this challenge, because our decision making gives due consideration to the scientific, economic and social factors, and our process is inclusive and fair. This year

CASA spoke with various government departments about our organization and our consensus-based approach. We will continue to reach out to other stakeholders, including those not traditionally at our table.

We know consensus decision-making is a powerful tool for understanding all interests at the heart of an issue. To celebrate and improve our practice, we held the *Bridging Interests, Building Agreement* workshop in collaboration with the Alberta Water Council. This consensus-building workshop honoured Dr. Martha Kostuch's contribution to clean air and commitment to the consensus process. She taught us that we achieve consensus when individually, and collectively, we make a real effort to understand others' perspectives, and are committed to reaching agreement. That agreement will be more creative and longer-lasting than what we could have come up with alone. These teachings have served us well in the past and will continue to carry us forward.

Even after five years as CASA President, I continue to be encouraged by the strength and flexibility of the CASA process. Our stakeholders are committed to wise management of our air quality to benefit Albertans now and into the future. CASA has served as a model for other multi-stakeholder organizations because we have used consensus to achieve lasting, robust results.

This process, based on flexibility and innovation, will continue to keep CASA at the forefront of air management.

A handwritten signature in black ink, appearing to read 'Peter Watson'. The signature is fluid and cursive, with a large initial 'P'.

Peter Watson, President

message from the executive director



This year was a year of celebration, reflection and contemplation at CASA. It was our 15th Anniversary, and we recognized this achievement with an announcement in the Legislative Assembly of Alberta. CASA was commended for its successful partnerships improving oil patch flaring and venting, acid rain, power plant emissions, smog and pollution prevention.

CASA is successful because of the time and effort contributed by industry, government and non-government representatives. Page 38 recognizes in-kind and financial contributions of the over 300 individuals who contributed to CASA this year. We celebrated the past contributions of one important stakeholder this year at the Martha Kostuch Legacy Workshop. There we heard from all three stakeholder groups how Martha helped them understand and support the consensus process to address air issues.

Reflecting back on the list of projects completed in 2009, stakeholders had a sense of accomplishment. Traditionally, CASA has done a good job of achieving consensus on plans to address specific air issues. This year, our achievements built on previous CASA plans for electricity emissions and ambient monitoring. We held our third priority setting workshop on ambient air quality objectives. We also published a revised *Procedural Guidelines* for CASA members and other organizations interested in our process.

CASA contemplated new directions in environmental management, namely cumulative effects and regional planning. Our flagship project, the *Recommendations for a Clean Air Strategy*, encouraged all of us involved in Alberta's air quality management system to make a shift to broader-based planning, and to focus on the non-point air issues that have challenged us in the past. Our new business plan emphasized the need to reach out to new stakeholders and to explore our role in supporting airshed zones. Those are the Alberta organizations addressing air quality at the local level. This year, CASA recognized the Calgary Region Airshed Zone's progress, bringing to eight the total number of zones CASA has endorsed. We also agreed to enhance our collaboration with the Alberta Water Council, recognizing the important linkages between air, land and water.

The CASA secretariat agreed to its own vision and mission this year, defining how the secretariat supports our partners as they work towards the CASA vision. The secretariat team is proud of the role it played in CASA's accomplishments this year, and will continue to strive to be a leader in coordinating multi-stakeholder groups as they build consensus. The secretariat was also pleased to participate in the development of the Alberta Arbitration and Mediation Society's new Consensus Certificate Program, which is one of Alberta Environment's tributes to Martha Kostuch.

2009 felt like a year of transition. We recognized what we have traditionally been good at, while preparing for a new policy environment. CASA will continue to recommend strategies to assess and improve air quality in Alberta using a consensus process. We are just going to do it bigger and better. My commitment is to continue celebrating success, reflecting on past work, and contemplating how best to make change. If we remain committed to our principles of collaboration, we will find the right path and continue to be successful for another 15 years.

A handwritten signature in black ink that reads "KChomlak". The signature is written in a cursive, flowing style.

Kerra Chomlak, Executive Director



board of directors (as of December 31, 2009) and secretariat

INDUSTRY STAKEHOLDER GROUP (by sector)

- **Agriculture**
Director – Rich Smith, Alberta Beef Producers
Alternate – Robert Filkohazy, Wild Rose Agricultural Producers
- **Alternate Energy**
Director – Vacant
Alternate – David Lawlor, ENMAX
- **Chemical Manufacturers**
Director – Réjeanne Cool, MEGlobal Canada Inc.
Alternate – Al Schulz, Canadian Chemical Producer's Association (CCPA)
- **Forestry**
Director – Brian Gilliland, Weyerhaeuser Company Ltd.
Alternate – Keith Murray, Alberta Forest Products Association
- **Mining**
Director – Peter Darbyshire, Graymont Western Canada Inc.
Alternate – Vacant
- **Oil and Gas (Large Producers)**
Director – Vacant
Alternate – Bill Clapperton, Canadian Natural Resources Limited
- **Oil and Gas (Small Producers)**
Director – John Squarek, Small Explorers and Producers Association of Canada (SEPAC)
Alternate – Vacant
- **Petroleum Products**
Director – Cindy Christopher, Imperial Oil
Alternate – Ted Stoner, Canadian Petroleum Products Institute (CPPI)
- **Utilities**
Director – Alex McFadden, TransAlta Generation Partnership
Alternate – Jim Hackett, ATCO Power Canada Ltd.

GOVERNMENT STAKEHOLDER GROUP (by sector)

- **Federal**
Director – Randal Cripps, Environment Canada
Alternate – Brian Wiens, Environment Canada
- **Provincial – Energy**
Director – Peter Watson, Alberta Energy
Alternate – Jennifer Steber, Alberta Energy
- **Provincial – Environment**
Director – Jim Ellis, Alberta Environment
Alternate – Bev Yee, Alberta Environment
- **Provincial – Health**
Director – Margaret King, Alberta Health and Wellness
Alternate – Alex MacKenzie, Alberta Health and Wellness
- **Local (Urban)**
Director – Linda Osinchuk, Alberta Urban Municipalities Association
Alternate – Linda Sloan, Alberta Urban Municipalities Association
- **Local (Rural)**
Director – Tom Burton, Alberta Association of Municipal Districts & Counties (AAMDC)
Alternate – Vacant
- **Aboriginal (First Nations)**
Director – Holly Johnson-Rattlesnake, Samson Cree Nation
Alternate – Vacant
- **Aboriginal (Métis)**
Director – Vacant
Alternate – Jerry Cunningham, Métis Settlements General Council

NON-GOVERNMENT ORGANIZATIONS STAKEHOLDER GROUP (by sector)

- **Consumers/Transportation**

Director – Don Szarko, Alberta Motor Association
Alternate – Vacant

- **Health**

Director – Tony Hudson, The Lung Association, Alberta & NWT
Alternate – Eileen Gresl, COPD & Asthma Network of Alberta (CANA)

- **Pollution A**

Director – Myles Kitagawa, Toxics Watch Society of Alberta
Alternate – Ian Peace, Residents for Accountability in Power Industry Development

- **Pollution B**

Director – Chris Severson-Baker, Pembina Institute
Alternate – Ruth Yanor, Mewassin Community Council

- **Wilderness**

Director – Nashina Shariff, Toxics Watch Society of Alberta
Alternate – Ann Baran, Southern Alberta Group for the Environment

PAST MEMBERS

Thank you to these past board members, who all helped nurture our projects and goals in 2009:

- Darren Aldous, Alberta Urban Municipalities Association
- Tim Goos, Environment Canada (Retired)
- Theresa Howland, Bullfrog Power Inc.
- Trevor Swampy, Samson Cree Nation
- Allan Wells, Métis Settlements General Council

SECRETARIAT

Secretariat Vision

CASA is a recognized leader in coordinating multi-stakeholder groups as they build consensus strategies to improve air quality.

Secretariat Mission

The CASA Secretariat supports and coordinates our partners as they work towards the CASA vision. We are trusted to provide expertise, knowledge and best practices in each of our service-oriented roles.

- **Executive Director**

Kerra Chomlak

- **Administrative Coordinator**

Alison Hughes

- **Administrative Assistant**

Jillian Skulski (from July)

- **Communications Advisor**

Jean Moses (from July)

- **Financial Administrator**

Karen Bielech

- **Project Manager**

Jennifer Allan
Robyn-Leigh Jacobsen
Linda Jabs
Gustavo Hernandez (from Aug.)
Kim McLeod (to May)

- **Office Manager**

Kathy Semchuk (to June)

- **Communications Manager**

Sharon Hawrelak (to March)

Thanks also to Kim Sanderson, who contributed to many projects as a consultant.



In the belief that "what gets measured gets done," CASA has a strong system for measuring and evaluating its performance which consists of setting priorities, evaluating organizational performance and performance measures.

evaluating and measuring CASA's performance

PERFORMANCE EVALUATION

When CASA was established in 1994, an article was included in the bylaws to ensure that overall organizational performance is evaluated on a regular basis. Article 16 of the CASA bylaws requires that, "*The performance of the Society will be evaluated upon the expiration of three years from the date of its incorporation, or the date of its last performance evaluation, by the Members of the Society.*" Performance evaluation occurred in 1997, 2001, 2004 and 2007. The next performance evaluation is due in 2010.

For the most recent performance evaluation, occurring from 2007 to 2008, the committee interviewed government officials and surveyed CASA stakeholders with a view to answering the question, "How effective is CASA in supporting the Government of Alberta in strategic air quality planning?"

The major finding was that CASA has been effective in supporting Alberta Environment, the only provincial government department with a formal mandate for strategic air quality planning. The committee recommended several ways to enhance CASA's relationship with the provincial government as a whole. All of the recommendations were addressed by the CASA board. The committee's report is available on the CASA website.

SETTING PRIORITIES

Every three years, the CASA board engages in strategic planning and a thorough discussion of emerging air quality issues. It is an opportunity for the board to review its mandate, consider other activities that could have an impact on CASA, and begin to identify priorities for future work. At a board retreat in 2008, several topics were suggested. The board forwarded some of the key issues to a new business planning committee. The new Business Plan sets priorities for 2010-2012.

PERFORMANCE MEASURES

CASA has five performance measures, with multiple indicators for each measure, as shown on pages 13 and 14. All performance measures and their calculated results are approved by consensus of the CASA board. Note that the first performance measure evaluates Alberta's progress toward CASA's vision of clean air and does not necessarily measure progress made by CASA itself. The second performance measure is primarily a reflection of the work done by the airshed zones and the scientific community. The remaining performance measures focus more directly on progress made by CASA.

The performance measures and corresponding indicators are:

Performance Measure 1A

Improved air quality indicators in areas of CASA action

Indicators

- Annual average ambient concentrations of: NO₂, SO₂, PM_{2.5}, O₃, benzene, wet acid deposition
- Annual peak concentrations of: NO₂, SO₂, PM_{2.5}, O₃, and benzene
- Percent hourly exceedances of: NO₂, SO₂ and H₂S

Performance Measure 1B

Change in emissions of substances of concern in areas of CASA action

Indicator

- Annual total emissions from power generation for NO_x, SO_x, PM_{2.5}, and mercury, and solution gas flaring and venting

Performance Measure 1C

Energy use as an indirect measure of air quality in areas of CASA action

Indicator

- Electrical power capacity based on renewable and alternative energy sources

Performance Measure 2

Capability to measure air quality effects on humans and the ecosystem

Indicators

- Ambient monitoring
- Ecological effects monitoring
- Human health monitoring

Performance Measure 3

Number of recommendations through Comprehensive Air Quality Management System implemented

Indicator

- Percentage of substantive recommendations from four years ago that have been implemented (thus, from 2003)

Performance Measure 4

Degree of CASA members, partners and clients' satisfaction with the CASA approach

Indicators

Satisfaction with CASA's:

- Overall approach
- Openness and transparency
- Implementation of recommendations
- Resources for teams
- Achievements
- Support to airshed zones
- Communication between teams

Performance Measure 5

Degree of recognition of CASA as a major vehicle for delivering improved air quality management for Alberta

Indicators

- Return visitors to website
- Number of news stories about CASA
- Quality of news stories about CASA

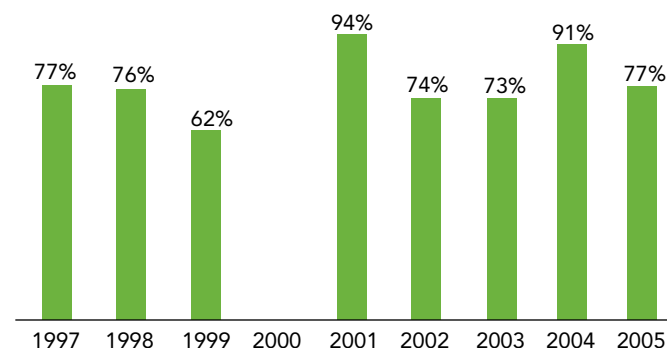
PERFORMANCE MEASURES RESULTS*

Performance Measure 3 – Recommendations Implemented

CASA teams make recommendations for consideration by the CASA board of directors. The intent of this indicator is to measure the degree to which recommendations that can lead directly to improved air quality (that is, substantive recommendations) have been implemented within three years of their approval by the CASA board. This indicator is a snapshot taken three years after the recommendations were approved, and complex actions may take more than three years to be fully implemented. Recommendations accepted by the board that are administrative or operational are not included in this indicator.

There were 18 substantive recommendations approved by the CASA board in 2005. The percentage of substantive recommendations from 2005 implemented by 2009 is 77 per cent. Please note that no substantive recommendations were made in 2000.

Figure 1
Recommendations Implemented



*Performance Measures 1, 2 and 4 are calculated every three years. For those results, please refer to the 2007 and 2008 Annual Reports. Performance Measures 3 and 5, included here, are calculated annually. The next comprehensive calculation of all measures is in 2010.

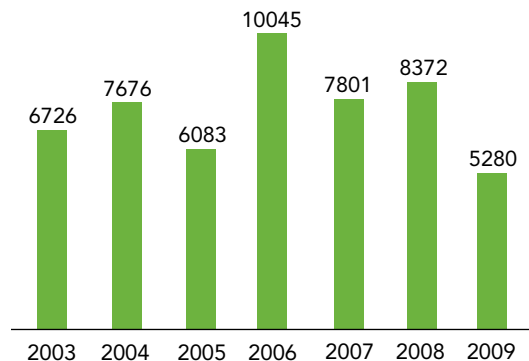
Performance Measure 5 – Degree of Recognition

To measure how well Albertans recognize the CASA organization and its accomplishments, one indicator based on CASA website usage and two indicators based on media coverage are calculated each year.

Website Indicator

The number of visitors to the CASA website dropped substantially in 2009. The number of visitors who visited the CASA website more than once from January 1 to December 31, 2009 was 5,280, down 37 per cent from the previous year.

Figure 2
Number of Repeat Visitors to the CASA Website



News Stories Indicators

There are two news story indicators in the degree of recognition performance measure. The first indicator measures the number of news stories about CASA reported by the Alberta news media (print, television, radio, magazines, etc.) each year. The number of news stories is proportional to newsworthy activity by CASA. Although the number of stories dropped, the overall tone was positive, with the Clean Air Strategy the focus of many of the 2009 stories.

Figure 3
CASA News Stories Count

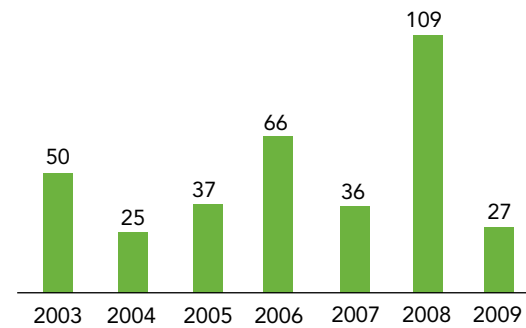
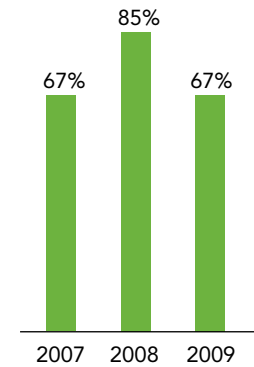



Figure 4
CASA News Stories Quality (MRP Rating)



The second indicator measures the quality of that news coverage calculated using the Media Relations Rating Points (MRP)TM system developed by the Canadian Public Relations Society. Quality of news coverage is evaluated by measuring several attributes of each news story, for example, reach (e.g., number of a newspaper's readers) and presence of CASA messages in the article.

The traditional scale assigns one point for major province-wide media and no points for local or regional media outlets. However, in 2009, the Communications Committee chose to assign half a point for local or regional media outlets. The team felt that regional news coverage could fulfill media relations objectives in many cases.

Using the revised point system, CASA achieved a score of 67 per cent for 2009, down from 85 per cent in 2008, but the same as that achieved in 2007.



The work of CASA is achieved largely through the participation of teams of individuals representing stakeholders who share an interest in a specific issue.



CASA teams

BOARD COMMITTEES

Executive Committee

The executive committee helps the board accomplish its objectives by setting the agenda and presiding at board meetings, and by monitoring board effectiveness and adherence to policies and procedures. It provides leadership, liaises with government ministers, and advocates for CASA and the CASA process. The executive also oversees CASA finances and operation of the secretariat.

2009 Highlights

The executive committee met with the executive teams of six provincial government departments, and was actively involved in the development of the three-year Business Plan.

Members

- Peter Watson, President – representing government
- Myles Kitagawa, Vice-president – representing non-government organizations
- John Squarek, Vice-president – representing industry
- Kerra Chomlak, Secretary-treasurer – CASA's Executive Director

Airshed Zones Board Committee

This board committee discussed options to enhance the communication and relationship between the CASA board and the Airshed Zones, and potential Airshed Zones membership on the CASA Board of Directors.

2009 Highlights

After much discussion, the committee presented a list of issues raised by stakeholders about membership to the CASA board. The presentation outlined the main challenges being faced by the committee and asked for guidance on next steps. With additional input by the executive, work continued toward a final report.

Members

- Jillian Flett (chair) – Alberta Environment
- Bob Cameron – South Peace Environmental Association
- Kerra Chomlak – Clean Air Strategic Alliance
- Kristina Friesen – Alberta Airshed Council
- Gustavo Hernandez – Clean Air Strategic Alliance
- Linda Jabs – Clean Air Strategic Alliance
- Krista Phillips – Canadian Association of Petroleum Producers

Business Planning Committee

The need for a new business plan rose out of CASA's previous strategic planning and performance evaluation meetings. In true CASA form, a committee was created to take on the task of developing the plan.

2009 Highlights

On several occasions throughout the year, the board as a whole was engaged on the contents of the draft plan. It was agreed the plan should outline a potential role for CASA in the future, giving due consideration to the *Recommendations for a Clean Air Strategy*. The board reached consensus on four goals and 11 strategies that will move CASA into the future as a strategic, selective, and forward-looking organization.

The new business plan gives the CASA board, teams, and secretariat direction on future initiatives. That includes an environmental scan for emerging air issues, plus board discussions to explore the role of CASA in supporting airshed zones, and regional planning. It was acknowledged that any potential projects should proceed through the CASA statement of opportunity process, which uses agreed-upon criteria to determine if a project is appropriate for CASA. The monitoring and evaluation plan sets out some new indicators to track progress on achievement of the goals in the business plan.

With approval of the business plan in December, the board confirmed its support for CASA's four strategic focus areas: strategic development, air quality management, pollution prevention and continuous improvement, and knowledge and information. The board also reaffirmed its commitment to the seven principles that guide CASA's activities: collaboration, trustworthiness, transparency, fairness, innovation, timeliness, and human health and ecological integrity.

Members

- Al Schulz (co-chair) – Canadian Chemical Producer's Association
- Eileen Gresl (co-chair) – COPD & Asthma Network of Alberta
- Kerra Chomlak – Clean Air Strategic Alliance
- Cindy Christopher – Imperial Oil Resources
- Bill Clapperton – Canadian Natural Resources Limited
- Tim Goos – Environment Canada, Prairie and Northern Region
- Tony Hudson – The Lung Association, Alberta & NWT
- Robyn-Leigh Jacobsen – Clean Air Strategic Alliance
- Myles Kitagawa – Toxics Watch Society of Alberta
- John Squarek – Small Explorers and Producers Association of Canada
- Ted Stoner – Canadian Petroleum Products Institute
- Bev Yee – Alberta Environment

Communications Committee

This committee provides direction and advice to strategic internal and external communications initiatives, plans and priorities in support of the CASA mission and vision. It also administers performance measure five (degree of recognition of CASA), and tracks implementation of the strategic communications plan.

2009 Highlights

CASA was recognized in the Alberta Legislature on CASA's 15th Anniversary, thanks to this committee. The committee worked with the Electricity Framework Review Consultation Subgroup to organize a public consultation process for the Electricity Framework Review.

The team continued to explore social media communications opportunities, and provided support for the *Bridging Interests, Building Agreement* workshop. Ongoing website maintenance identified areas for future revision.

Members

- Tony Hudson (chair) – The Lung Association, AB & NWT
- Gord Mounce (co-chair) (until October) – Canadian Association of Petroleum Producers
- Janet Annesley (joined October) – Canadian Association of Petroleum Producers
- Ann Baran – Southern Alberta Group for the Environment
- Joanna Byers – The Lung Association, AB & NWT
- Kerra Chomlak – Clean Air Strategic Alliance
- Sharon Hawrelak (until March) – Clean Air Strategic Alliance
- Parker Hogan (until August) – Alberta Forest Products Association
- Ogho Ikhalo – Alberta Environment
- Karen Karbasheski – Alberta Energy
- Jean Moses (joined July) – Clean Air Strategic Alliance
- Blake Robert (joined August) – Alberta Forest Products Association
- Gloria Trimble – Environment Canada
- Brian Waddell – Alberta Environment
- Ruth Yanor – Mewassin Community Action Council

Enhanced Collaboration with the Alberta Water Council

This board committee explored opportunities for enhanced collaboration by coordinating resources and identifying efficiencies. It also concentrated on increasing awareness and demonstrating a commitment to linkages between the two organizations.

2009 Highlights

The team reached consensus on eight recommendations, including collaboration opportunities, education and awareness of the two organizations, and strategic linkages between air, land and water.

A key recommendation approved by the board was to hold discussions with the Land Use Framework Secretariat on a role for each organization in the implementation of the Land Use Framework.

Members

- Bob Cameron (co-chair) – South Peace Environmental Association
- Rejeanne Cool (co-chair) – MEGlobal Canada Inc. representing Canadian Chemical Producers' Association
- Dave Belyea – Alberta Environment
- Tom Burton – Alberta Association of Municipal Districts and Counties
- Kerra Chomlak – Clean Air Strategic Alliance
- Gord Edwards – Alberta Water Council
- Jillian Flett – Alberta Environment
- Gustavo Hernandez – Clean Air Strategic Alliance
- Carolyn Kolebaba – Alberta Association of Municipal Districts & Counties, former member

Performance Measures Committee

This committee assesses CASA's effectiveness by measuring indicators using a transparent, multi-stakeholder process.

2009 Highlights

The committee concentrated on one annual measurement this year, calculating an overall implementation of 77 per cent for recommendations approved in 2005. In addition, it developed a decision tree designed to gather information and assess older low-rated recommendations.

Members

- Jennifer Allan – Clean Air Strategic Alliance
- Kerra Chomlak – Clean Air Strategic Alliance
- Bob Myrick – Alberta Environment
- Ted Stoner – Canadian Petroleum Products Institute
- Ruth Yanor – Mewassin Community Council

Procedural Guidelines

This committee was struck in 2007 to review and assess the original CASA procedural guidelines developed in 1994. The review was to ensure the procedural guidelines reflect current and best practices.

2009 Highlights

The committee developed a comprehensive draft, incorporating former documents on roles and responsibilities in 2008. Members of the team refined that draft, which was approved by the board and published in 2009.

Members

- Kerra Chomlak – Clean Air Strategic Alliance
- Tim Goos – Environment Canada, Prairie and Northern Region
- Mike Kelly – TransAlta Corporation
- Myles Kitagawa – Toxics Watch Society of Alberta
- Timothy Lambert – Canadian Public Health Association
- John Squarek – Small Explorers and Producers Association of Canada

PROJECT TEAMS

Ambient Monitoring Strategic Planning

This project team completed a major revision of the strategic plan for ambient air monitoring across Alberta. An enhanced monitoring network responsive to emerging issues and growth will provide the foundation for the development of a world-class ambient air quality monitoring system.

2009 Highlights

The CASA board accepted the 26 consensus recommendations presented by the team, which included the vision and goals, seven monitoring sub-programs, a data management system, and the establishment of a multi-stakeholder implementation committee. The board also agreed by consensus to the “emitter pays” principle, which is a significant milestone with respect to monitoring ambient air. Two non-consensus recommendations on funding and implementation were also accepted by the board, with a report expected from Alberta Environment addressing options for a fair, equitable and long-term funding mechanism for the ambient monitoring system.

Members

- Bob Myrick (co-chair) – Alberta Environment
- Ian Peace (co-chair) – Residents for Accountability in Power Industry Development
- Roxanne Pettipas (co-chair) – Canadian Association of Petroleum Producers
- Michael Bisaga – Lakeland Industry and Community Association
- Kerra Chomlak – Clean Air Strategic Alliance
- Linda Jabs – Clean Air Strategic Alliance
- Ken Omotani – TransAlta Generation Partnership
- Krista Phillips – Canadian Association of Petroleum Producers
- Kim Sanderson – Clean Air Strategic Alliance
- Chris Severson-Baker – Pembina Institute
- David Spink – Prairie Acid Rain Coalition
- Merry Turtiak – Alberta Health and Wellness
- Kevin Warren – Parkland Airshed Management Zone
- Brian Wiens – Environment Canada

Alternates & Corresponding Members

- Angela Ball – TransAlta Generation Partnership
- Kim Eastlick – Energy Resources Conservation Board
- Myles Kitagawa – Toxics Watch Society of Alberta
- Bettina Mueller – Alberta Environment
- Keith Murray – Alberta Forest Products Association
- Mike Pawlicki – Lafarge Canada Inc
- James Vaughan – Energy Resources Conservation Board
- Karina Thomas – Alberta Health and Wellness

Clean Air Strategy

The team provided recommendations for a Clean Air Strategy that will serve as the foundation of the Government of Alberta's long term strategy for clean air.

2009 Highlights

The team presented fourteen consensus recommendations to the board for approval. The recommendations include future goals for governance, regional planning, pollution prevention and control, and knowledge and information. Work was based on valuable insights of the team's 2008 public consultation and extensive stakeholder review in 2009. CASA's recommendations will inform the Government of Alberta in the creation of a future Clean Air Strategy for Alberta.

Members

- Steve Kennett (co-chair) – Pembina Institute
- Al Mok (co-chair) – Suncor Energy Inc.
- Bettina Mueller (co-chair) – Alberta Environment
- Jennifer Allan – Clean Air Strategic Alliance
- Angela Ball – TransAlta Generation Partnership
- Don Bradshaw – Alberta Energy
- Glynis Carling – Imperial Oil Resources
- Lawrence Cheng – Alberta Environment
- Kerra Chomlak – Clean Air Strategic Alliance
- Peter Dzikowski – Alberta Infrastructure and Transportation
- Gerry Ertel – Shell Canada Limited
- Long Fu – Alberta Environment
- Debra Gardiner – ENMAX Energy Corporation
- James Guthrie – TransAlta Generation Partnership
- Tony Hudson – The Lung Association, Alberta & NWT
- Sandi Jones – Alberta Agriculture and Rural Development
- Myles Kitagawa – Toxics Watch Society of Alberta
- David Lawlor – ENMAX
- Alison Lewis – Graymont Western Canada
- Allan Mumby – Alberta Airsheds Council
- Kim Sanderson – Clean Air Strategic Alliance
- Anita Sartori – Canadian Natural Resources Limited
- Al Schulz – Canadian Chemical Producer's Association
- Nashina Shariff – Toxics Watch Society of Alberta
- Merry Turtiak – Alberta Health and Wellness
- Srikanth Venugopal – TransCanada Transmission

Electricity Framework Review

The goal of the Electricity Framework Review project team is to review elements of the *Emissions Management Framework for the Alberta Electricity Sector*. The team is reviewing the implementation of recommendations and other related themes within the framework.

2009 Highlights

The team reached out to the public in early 2009 to identify issues of concern and areas for priority action with respect to electricity emissions. Although participants in the town hall meetings and survey generally felt the 2003 CASA framework focused on the right priorities, there was a desire to see more effort directed towards developing renewable sources of electricity and reducing electricity consumption.

In June, the CASA board approved 10 recommendations from the team by consensus, including updated emissions standards for new coal-fired generation in Alberta, credit thresholds for nitrogen oxides and sulphur dioxide, and credit for early action on mercury capture. The team continues to work on reaching consensus on emissions standards for new gas-fired generation.

Other work completed in 2009 includes a review of best available control technologies and an emissions forecast. Projects in progress include a specific assessment of the best available control technologies and updates to emissions standards for units in co-generation service and a review of particulate matter control and management at existing facilities in Alberta. The team expects to complete its work by spring of 2010.

Members

- Ahmed Idriss (co-chair) – Alberta Environment
- Jim Hackett (co-chair) – ATCO Power Canada Ltd.
- Tom Marr-Laing (co-chair) – Pembina Institute
- Angela Ball – TransAlta Corporation
- Casey Chan – Capital Power Corporation
- Jack Davis – Alberta Utilities Commission
- Randy Dobko – Alberta Environment
- Terry Dumonceau – EnCana Power and Processing
- Robyn-Leigh Jacobsen – Clean Air Strategic Alliance
- Les Johnston – EPCOR Energy Services
- Bob Jones – Alberta Association of Municipal Districts & Counties
- Bevan Laing – Alberta Energy
- Greg Moffatt – TransCanada Transmission
- Julie Mondoux – Capital Power Corporation
- Ken Omotani – TransAlta Corporation
- Krista Phillips – Canadian Association of Petroleum Producers
- Al Schulz – Canadian Chemical Producer's Association
- Nashina Shariff – Toxics Watch Society of Alberta
- Rahul Shrivastava – ENMAX Energy Corporation
- Tracy Smith – Shell Canada
- David Spink – Prairie Acid Rain Coalition
- John Squarek – Small Explorers and Producers Association of Canada
- Carolyn Tester – Imperial Oil
- Trevor Thain – Town of Whitecourt
- Joan Tingley – ATCO Power Canada Ltd.
- Harry Tyrrell – Mewassin Community Council
- Wayne Ungstad – Ponoka Fish and Game
- Srikanth Venugopal – TransCanada Transmission
- Bev Yee – Alberta Environment

Flaring and Venting

The goal of the team is to assess the performance of the upstream oil and gas industry in managing flaring and venting, and to make recommendations regarding the Alberta flaring and venting management framework.

2009 Highlights

A consultant has been engaged to help the team understand the feasibility and implications of eliminating routine flaring and venting in Alberta. The team also continues its work on evaluating progress in reducing flaring and venting, reviewing previous recommendations and assessing flaring and venting research. The team expects to present its report to the board by mid-2010.

Members

- Andrew Higgins (co-chair) – Canadian Natural Resources Limited
- Chris Severson-Baker (co-chair) – Pembina Institute
- James Vaughan (co-chair) – Energy Resources Conservation Board
- Bob Barss – Alberta Association of Municipal Districts & Countries
- Michael Brown – Energy Resources Conservation Board
- Randy Dobko – Alberta Environment
- Wayne Hillier – Husky Energy
- Robyn-Leigh Jacobsen – Clean Air Strategic Alliance
- Anna Maslowski – Alberta Energy
- Randal McNeill – Husky Energy
- Carolyn Nykolyn – Alberta Energy
- Ian Peace – Residents for Accountability in Power Industry Development
- Krista Phillips – Canadian Association of Petroleum Producers
- Jolene Shannon – Pembina Agricultural Protection Association
- Jim Spangelo – Energy Resources Conservation Board
- John Squarek – Small Explorers and Producers Association of Canada
- Rudy Sundermann – EnCana Corporation
- Karina Thomas – Alberta Health and Wellness
- Mike Zemanek – Alberta Health and Wellness

Human and Animal Health Implementation Team

This team reviews and develops an implementation plan for previous recommendations from the Human Health Project and Animal Health Project teams, and identifies emerging issues.

2009 Highlights

The team was not active in 2009 because expected information was unavailable. In 2010, it will report to the board on its status.

Members

- Ruth Yanor (chair) – Mewassin Community Council
- Mark Boulton – Suncor
- Simon Cobban – Intensive Livestock Working Group
- Marilyn Craig – Energy Resources Conservation Board
- Eileen Gresl – COPD & Asthma Network of Alberta (CANA)
- Judy Huntley – Bert Riggall Environmental Foundation
- Joe Kendall – Alberta Agriculture, Food and Rural Development
- Dean Lien – Farmer's Advocate
- Alexander MacKenzie – Alberta Health and Wellness
- Laura McLeod – Alberta Health Services
- Carol Newman – Canadian Association of Petroleum Producers (CAPP)
- Gary Sargent – Canadian Association of Petroleum Producers (CAPP)
- Al Schulz – Canadian Chemical Producer's Association (CCPA)
- Merry Turtiak – Alberta Health & Wellness
- Brenda Woo – Health Canada

Indoor Air Quality

This team is developing a strategic plan addressing indoor air quality issues in Alberta.

2009 Highlights

The team engaged practitioners in indoor air quality to develop a list of priorities for Alberta. "Who does what" for indoor air quality in Alberta is complex. Therefore, the team constructed a decision tree to guide Albertans to the appropriate organization. They also drafted six goals and identified actions for achieving those goals.

Members

- Stephani Carter (chair) – Green Alberta / Canadian Green Building Council, Alberta Chapter
- Jennifer Allan – Clean Air Strategic Alliance
- Dean Befus – The Lung Association, Alberta and NWT
- Roy Clough – Alberta Employment and Immigration
- Ken Erikson – Edmonton Public School Board
- Anand Mishra – Canadian Mortgage and Housing Association
- Michael Nyikes – Canadian Home Builders Association
- Ian Peace – RAPID
- Ludmilla Rodriguez – Capital Health Region
- Janine Ross – Alberta Environment
- Roger Steele – Building Owners and Managers Association
- Merry Turtiak – Alberta Health and Wellness
- Opel Vuzi – Health Canada

Martha Kostuch Legacy Workshop

In honour of Dr. Martha, Kostuch, this team convened a workshop on consensus decision-making.

2009 Highlights

Over 120 people attended the successful *Bridging Interests, Building Agreement* workshop in December. Working with the Alberta Water Council, the team organized this two day look at consensus theory and practice. The first day explored case studies and stakeholder support for the consensus process. A smaller group met a second day, and drafted pre-conditions for an ideal consensus process and factors to help ensure success.

Members

- George Murphy (chair) – Alberta Environment
- Jennifer Allan – Clean Air Strategic Alliance
- Ann Baran – Southern Alberta Environmental Group
- Kerra Chomlak – Clean Air Strategic Alliance
- Carmen Gilmore – Alberta Energy
- Krista Phillips – Canadian Association of Petroleum Producers
- Terry Sly – Alberta Water Council

Operations Steering Committee

This committee provides overall direction to the provincial ambient air quality monitoring network.

2009 Highlights

The 2009 operating budget and workplan were approved by the committee. The 2009 Ambient Monitoring Strategic Plan, which was accepted by the CASA board, recommends that a Multi-Stakeholder Implementation Committee (MIC) be formed to oversee the implementation of the AMSP. The Operations Steering Committee is presently gathering information to determine what its future role might be.

Members

- Tom Dickson (chair) – Alberta Environment
- Michael Bisaga – Lakeland Industry Community Association
- Glynis Carling – Imperial Oil Resources
- Kerra Chomlak – Clean Air Strategic Alliance
- Linda Jabs – Clean Air Strategic Alliance
- Shane Lamden – NOVA Chemicals Corporation
- Keith Murray – Alberta Forest Products
- Bob Myrick – Alberta Environment
- Janine Ross – Alberta Environment
- Bob Scotten – West Central Airshed
- Brian Wiens – Environment Canada
- Kevin Warren – Parkland Airshed Management Zone
- Merry Turtiak – Alberta Health and Wellness

Particulate Matter and Ozone Management Implementation

This team monitors the implementation of the Particulate Matter and Ozone Management Framework approved by the CASA board in 2003.

2009 Highlights

Ozone management plans for Calgary, Red Deer and Edmonton have been submitted to Alberta Environment. A full review of the PM and Ozone Framework will be conducted when the short-term actions under the ozone management plans have been completed. In the interim the team is undergoing a review of the technical aspects of the Framework to ensure that the science used to calculate triggers is still valid and will recommend any changes that need to be made to the technical aspects.

Members

- Bob Myrick (co-chair) – Alberta Environment
- Claude Chamberland (co-chair) – Shell Canada Limited
- Ian Peace (co-chair) – Residents for Accountability in Power Industry Development
- Sara Barss – TransCanada
- Jill Bloor – Calgary Region Airshed Zone
- Kelly Fyhn – EPCOR
- Linda Harvey – City of Calgary
- Linda Jabs – Clean Air Strategic Alliance
- Myles Kitagawa – Toxics Watch Society of Alberta
- Keith Murray – Alberta Forest Products Association
- Mike Pawlicki – Lafarge Canada Inc.
- Krista Phillips – Canadian Association of Petroleum Producers
- Karina Thomas – Alberta Health and Wellness
- James Tweedie – Bert Riggall Environmental Foundation
- Darcy Walberg – Agrium
- Kevin Warren – Parkland Airshed Management Zone

Alternates & Corresponding Members

- Andrew Clayton – Alberta Environment
- David L. Day – City of Calgary
- Long Fu – Alberta Environment
- Shane Lamden – NOVA Chemicals Corporation
- Findlay MacDermid – RAPID
- Bettina Mueller – Alberta Environment
- Crystal Parrell – Alberta Environment
- Dennis Stefani – Alberta Health Services (Calgary and Area)

Vehicle Emissions

The mandate of this team is to recommend initiatives to reduce vehicle emissions and support CASA's vision for clean air.

2009 Highlights

After a well-deserved hiatus for most of this year, the team re-convened in December. They discussed potential work for the team on emissions from transportation, given CASA's *Recommendations for a Clean Air Strategy*.

Members

- Myles Kitagawa (co-chair) – Toxics Watch Society
- Ted Stoner (co-chair) – Canadian Petroleum Products Institute
- Rob Bioletti – Alberta Environment
- Maureen Brown – City of Calgary
- Kerra Chomlak – CASA
- Peter Dzikowski – Alberta Infrastructure and Transportation
- Gustavo Hernandez – Clean Air Strategic Alliance
- Robyn-Leigh Jacobsen – Clean Air Strategic Alliance
- John Rilett – Climate Change Central
- Mayne Root – Alberta Motor Transportation Association
- Ron Schafer – City of Calgary
- Don Szarko – Alberta Motor Association
- Kyle White – City of Calgary
- Scott Wilson – Alberta Motor Association

Alternates & Corresponding Members

- Brian Ahearn – Imperial Oil
- Gene Syvenky – The Alberta Roadbuilders & Heavy Construction Association





Airshed zones are established by local stakeholders to deal with air quality issues in a specific region.

airshed zones

CASA provides guidelines for formation and operation, but each operates independently as a non-profit society or association. Airshed zones are consensus-based and support the CASA vision. Passive and/or continuous ambient air quality monitoring is usually conducted in zones, funded by the partners in the airshed zone.

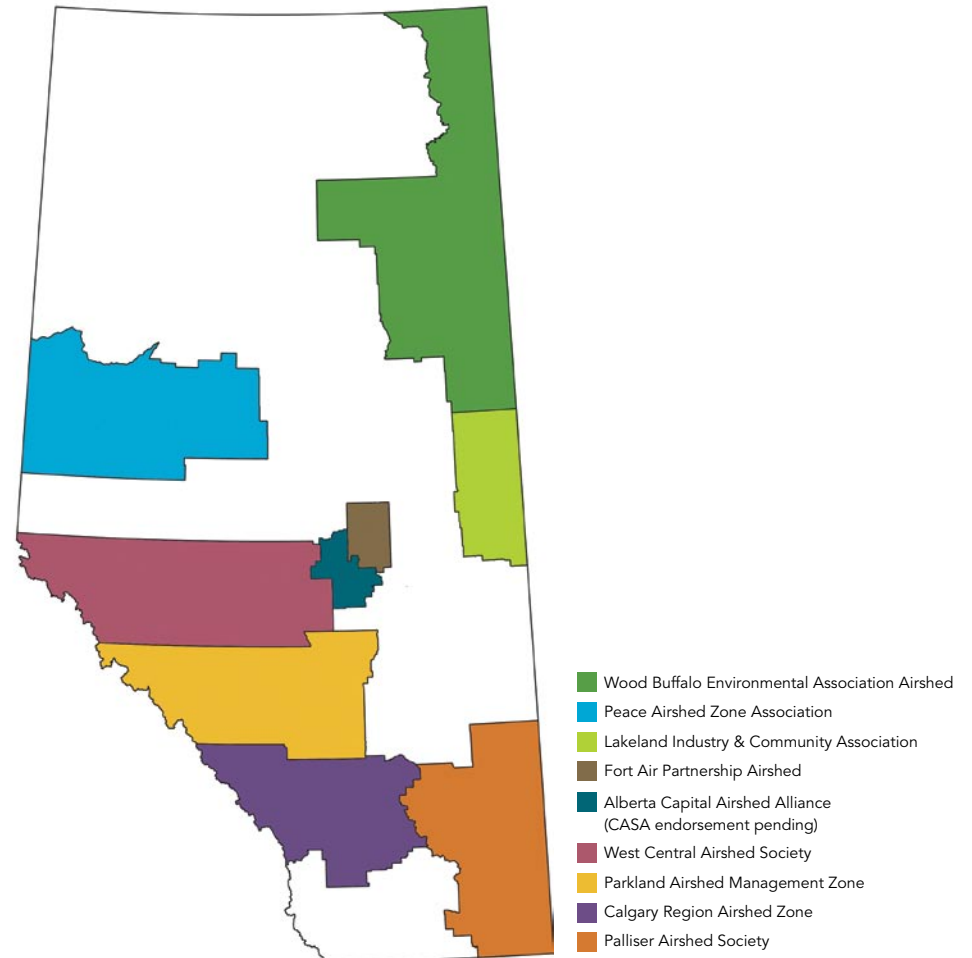
To date, eight airsheds have been endorsed by CASA. Their reports appear here. The Alberta Capital Airshed Alliance (Edmonton and area) has also been formed. Other possible airsheds are being considered in the east central and southwest areas of Alberta.

CASA assists airshed zones when requested and liaises with the Alberta Airsheds Council.

2009 Highlights

- CASA endorsed the Calgary Region Airshed Zone as an airshed zone at the June 2009 board meeting.
- CASA facilitated the first meeting of a potential East Central Airshed Zone in Camrose in February.
- CASA participated on the organizing committee for *ZoneVolution*, the 2009 Airshed Zones conference.

2009 Airshed Zones



ALBERTA AIRSHEDS COUNCIL

As the number of airshed societies in the province has increased and their roles evolved over a decade, those involved in each airshed have found increasing value in sharing their experiences and challenges. While the group has been meeting informally for years, in 2009 the Alberta Airsheds Council was incorporated as a non-profit society in Alberta. In 2009 the AAC also made another major step forward in promoting awareness of Alberta's airsheds with its second bi-annual airshed conference. This successful event, *ZoneVolution*, provided an excellent forum for exploring emerging issues in air policy and science in Alberta.

In seeking recognition for the important and evolving role airsheds play in managing and monitoring air quality in Alberta, in 2008 the AAC requested membership in CASA. In 2009 a CASA board committee was created to address the issues raised by the AAC, including the membership request.

Participants

- Michael Bisaga – Lakeland Industry and Community Association
- Nadine Blaney – Fort Air Partnership
- Jill Bloor – Calgary Region Airshed Zone
- Dawn Ewan – Peace Airshed Zone Association
- Kristina Friesen – Alberta Capital Airshed Alliance
- Russ Golonowski – Palliser Airshed Society
- Linda Jabs – Clean Air Strategic Alliance
- Melanie Larsen – Fort Air Partnership
- Carna MacEachern – Wood Buffalo Environmental Association
- Shelley Pruden – Peace Airshed Zone Association
- Bob Scotten – West Central Airshed Society/Palliser Airshed Zone
- Kevin Warren – Parkland Airshed Management Zone

The Alberta Airsheds Council's purpose is to identify and advocate for the common interests of Alberta's airsheds. It also facilitates communication and cooperation between airsheds and between airshed zones and the public. Objectives of the council include:

- Facilitating communications 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 where possible, developing strategies and processes to address those issues
- Delegating airshed representation for various CASA working groups and project teams
- Hosting an airshed conference about every two years on topics of mutual interest to airsheds
- Strengthening the relationships between airsheds and regulatory agencies

CALGARY REGION AIRSHED ZONE

The CRAZ Board and committees continue to work well, focusing on the growth of the organization. All meetings provided a forum for good communications and resulted in sound decisions.

In 2009, Calgary Region Airshed Zone received endorsement from CASA. CRAZ worked with the Parkland Airshed Management Zone to finalize their common boundary. Both PAMZ and CRAZ accepted an adjustment to the northwest boundary, recognizing natural airflows through the mountains. CRAZ has the largest population base and the largest urban centre among airshed zones in Alberta.

In 2009, CRAZ began work on the Particulate Matter/Ozone Management Plan. We undertook a Community Based Social Marketing project and the development of a regional monitoring network. Also in 2009 CRAZ began development of the Membership drive for early 2010 implementation.

CRAZ has a full time Executive Director and during the summer welcomed an Education/Outreach Assistant. The Education /Outreach Assistant developed and delivered an education program to over 300 children to increase awareness in children about air quality. It also shows the children what they can do to ensure Calgary Region has good air quality.

CRAZ continued to report ambient air quality data from its three monitoring stations. The Technical committee began work on the possible relocation of the Central Station. The new location will incorporate an educational component for the public.

In 2010, CRAZ will continue to meet new challenges and demands as it builds a solid financial program and continues to provide credible air monitoring data for the region. Please visit CRAZ at www.craz.ca.

FORT AIR PARTNERSHIP

In 2009, Fort Air Partnership (FAP) moved toward the goal of operating a *regional air monitoring network*, as opposed to operating a collection of industrial fence line monitors. Revisions to industrial operating approvals have allowed FAP some flexibility in defining the monitoring network. As a result, the FAP Technical Working Group began to re-evaluate the existing network. The group will also develop a regional monitoring network plan.

FAP has been preparing for this transition for several years. A regional emissions inventory was compiled in 2007 and related dispersion modeling results were examined. The TWG has re-evaluated the objectives of the continuous monitoring stations in the existing network in light of the transition to a regional focus. FAP has also expanded the passive monitoring network to get a sense for the spatial variation of some pollutants throughout the airshed.

This year FAP continued implementing recommendations from the Capital Region Ozone Management Plan. Work proceeds on an ozone network assessment for the larger region including FAP, ACAA and WCAS.

FAP continues to consider the community's information needs. We continued to publish materials like information pamphlets and fact sheets in the *Making it Clear* series. We also continued with presentations to industry groups, the public and at conferences. FAP changed the Redwater continuous monitoring station name to "Redwater Industrial" to help residents avoid misinterpretation of monitoring results.

FAP also purchased two new monitoring trailers. One replaced the structure at Ross Creek Station, and the other will be placed in the Town of Bruderheim in Q1 of 2010. We submitted a proposal to decommission Station 401-Josephburg Road. This was partly because chemicals that were monitored there are no longer being produced, and partly due to redundancies with surrounding stations. Alberta Environment approved the proposal in December 2009.

LAKELAND INDUSTRY AND COMMUNITY ASSOCIATION

The Lakeland Industry and Community Association (LICA) saw significant progress in 2009 toward full implementation of its ambient monitoring networks. The continuous monitoring network has been expanded from the Cold Lake South Station. It now includes the Maskwa, St. Lina and LICA Roving Stations. The passive monitoring network now includes 26 locations throughout the region. The LICA Roving Station is presently located east of Highway 41 and south of the Beaver River.

The Soil Acidification Impacts Study entered its second phase in 2009, considering number and location of soil monitoring plots. The plots established will be used for long-term monitoring and study of air emissions effects on area soils.

The design and operation of the LICA airshed zone came into question during an Alberta Environmental Appeals Board (EAB) hearing. For the first time in Alberta a hearing was specifically called to answer questions related to airshed zone monitoring and management. In conclusion, the EAB recognized the value of Alberta Environment's policy shift from site-specific 'fence line' monitoring to regional airshed monitoring networks. However the hearing did present LICA with projects and tasks to consider for improving residents' confidence in the Airshed operations and the transparency of the monitoring program. The board did not recommend reversing any decisions around establishment of the LICA Airshed Zone.

In 2009, residents with an interest or concern about regional air quality were invited to participate in LICA's Community Sampling Project. Under this program, LICA provides training and equipment to gather air samples. Those samples are then analyzed by a laboratory and results individually reviewed and interpreted with participants.

In 2010, LICA will continue to focus on communicating and promoting awareness of data and information available from the regional monitoring network. That means a marked increase in outreach programs and projects. We also plan to identify synergies and efficiencies with the Airshed's sister organization, the Beaver River Watershed Planning and Advisory Council. A technical project will focus on monitoring and understanding the potential effects of acidifying emissions on local water resources.

PALLISER AIRSHED SOCIETY

The good news about the Palliser Airshed is it survived the economic problems and challenges of 2008. Palliser, through a great deal of effort from the board and the membership, was able to complete 2009 with a small surplus.

PAS developed a new one year and three year business plan, a new, modified monitoring plan and an aggressive membership drive. A special outreach meeting was held in Calgary to help inform current and potential members about the benefits of belonging and participating in the airshed.

Efforts were made to evaluate expansion of the airshed to include territory west of the existing border right across the south to the BC border. The evaluation included discussions with key industries in the new territory. These preliminary discussion provided encouragement to further develop a draft monitoring plan and cost projection for the expansion. PAS is interested in the expansion to improve air monitoring and to ensure long term financial sustainability.

Efforts in 2010 will continue to focus on strengthening the financial sustainability and membership expansion of the society.

PARKLAND AIRSHED MANAGEMENT ZONE

In 2009, the Parkland Airshed Management Zone (PAMZ) focused on two major areas:

- operation of its Air Quality Monitoring Program, and
- implementation of its Ozone Management Plan.

Three of PAMZ's four continuous air monitoring stations underwent major overhauls. The overhauls included new shelters, support equipment and the re-integration of existing monitors and samplers. The Raven station became the David McCoy station to honour the significant contributions of David McCoy. One of the association's founding members, David passed away in 2008.

Two major monitoring partnerships concluded in 2009. The Mercury Deposition Study, operated with the Canadian Geological Survey, finished in January. The Tay River Air Monitoring Program, operated with Husky Oil, ended in May.

Implementation of the short-term and continuous actions identified in the PAMZ Ozone Management Plan began in the fall after the plan's approval by Alberta Environment. A review of the PAMZ Ozone Monitoring Network and Trend Study of Ozone Precursors were completed in December.

At its June meeting, the PAMZ Board of Directors approved a change to PAMZ's southern boundary. That change transferred approximately 11 townships and a portion of Banff National Park into the Calgary Region Airshed Zone. Throughout the year, PAMZ provided assistance and expertise to a multi-stakeholder group interested in forming an airshed zone east of PAMZ.

The PAMZ communications committee worked with a number of consultants to implement portions of the ozone management plan and execute a rebranding project. The rebranding includes an overhaul of the PAMZ website, scheduled for completion in early 2010.

PEACE AIRSHED ZONE ASSOCIATION

2009 was a year of change for the Peace Airshed Zone Association (PASZA). With the departure of the Airshed Program Manager early in the year, PASZA was challenged with prioritization of tasks to ensure effective management of its Regional Air Quality Monitoring Program. This resulted in the delay of technical projects and emphasis on program manager recruitment and community outreach.

Implementation of a community outreach program, to raise awareness of PASZA's monitoring programs and supporting members, began early in 2009. The program included the redesign of the PASZA website, participation in regional trade shows, a radio advertising program and a photo contest.

Later in the year, PASZA also said goodbye to two long-term Board Members who had been with PASZA since its inception. The support and dedication of these individuals over the last ten years is appreciated by PASZA and they will be missed. These organizational changes have brought some new faces, ideas and experience to PASZA including the recruitment of a new program manager in October 2009.

Looking into 2010, PASZA plans to conduct an internal review of its Air Quality Monitoring Program to ensure the program is meeting the needs of its stakeholders. We will continue to build upon the successes of community outreach initiatives. PASZA hopes to reach a broader audience to promote the PASZA organization and vision.

For more information, please visit www.pasza.ca.

WEST CENTRAL AIRSHED SOCIETY

WCAS operates thirteen continuous air monitoring stations and fourteen passive monitoring stations in the west central region of Alberta. The monitoring area covers 46,000 acres. Industry in the area includes oil and gas production, coal mines, forestry, and coal fired electrical generation and agriculture. WCAS is a non-profit corporation with a mandate to collect, report and store ambient air quality data and information. WCAS has fulfilled this role since 1995.

WCAS continues to participate in the development of the Capital Region PM and Ozone Management Plan. 2009 activities included an emission inventory and study of air quality data in the region aimed at identifying possible data gaps.

A contract with Dr. Herman Sievering to conduct a statistical review of air quality data and crop growth data has been undertaken by WCAS. Sievering's experience with user-focused statistical model building projects indicate these models can be developed so that useful and, yet, accurate statistically-based formulas of crop yield versus gaseous pollutant concentrations are available for WCAS needs. These formulas can be made applicable to a range of air pollution crop yield impact situations. The seven additional years (2003-2009) of quality air pollution, crop yield and meteorological data obtained at the Carrot Creek, Tomahawk and Violet Grove sites would allow for quite accurate statistical model products to be developed.

A user's manual or "Handbook of Air Pollution Crop Yield Impact Models" document will constitute the final report to WCAS. This report will describe, as simply as possible, the conditions under which each of the statistical models – formulas – are applicable to WCAS region gaseous pollution events. Included in this description will be straightforward estimation procedures to specify low and high bounds on the magnitude of crop yield impacts indicated by model calculations.

WOOD BUFFALO ENVIRONMENTAL ASSOCIATION

The Wood Buffalo Environmental Association, through our Ambient Air Technical Committee (AATC), continues to maintain the air monitoring network in the region efficiently and effectively. Some highlights for 2009 include:

- Hired new operations and maintenance contractor
- Added trailer at Station #6 (Patricia McInnes) replaced and Station #14 (Fort McKay) to the network
- Received passing grades on two Alberta Environment Audits
- Used mobile monitoring unit in the communities of Janvier, Conklin and Fort MacKay

The Wood Buffalo Environmental Association's Terrestrial Environmental Effects Monitoring (TEEM) Committee expanded its program in 2009. Highlights include:

- Source characterization. Desert Research is working on source characterization on NOx emissions, as well as on monitoring equipment
- New tower installed
- Worked to finalize summary of trend analysis

In 2009, the Wood Buffalo Environmental Association's Data Management Program focus and highlights were:

- Fine-tuned/optimized software tool
- Commenced processing of historical data
- Integrated data including passive VOC, PAH, and precipitation samples
- In 2009 statistical processing focused on developing methodology for continuous monitoring to accomplish two goals:
 - Estimate statistically significant concentration in hours where ambient air quality concentrations are below detection limits of the analyzer or a base range limit
 - Estimate uncertainty associated with measurements, as required in the 2006 AENV Air Monitoring Directive Amendment

The Wood Buffalo Environmental Association's Human Exposure Monitoring Program (HEMP) Committee conducted an external and internal program review in 2009. The reviews assessed the efficiencies of the existing program and made recommendations for ongoing work. Until the HEMP Committee develops a scope of work and WBEA members approve it, community monitoring is on hold for 2010. Reports for the 2009 sampling year are being finalized.

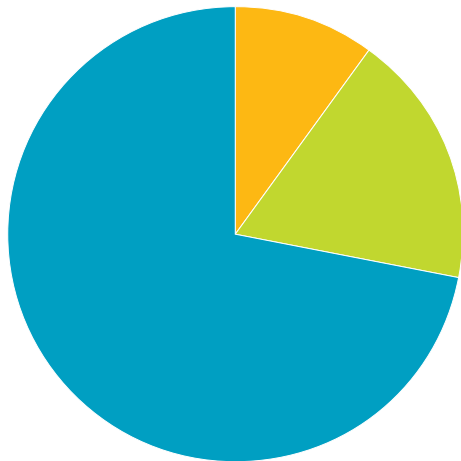
The Wood Buffalo Environmental Association's Strategic Planning completed geostatistical analysis for uncertainty in the current passive network. This analysis indicated the need for three new locations. From several candidate sites, we selected three locations (one planned for 2010) that meet requirements around location, exposure and analogies jack pine site criteria.

funding

Core operations of CASA were supported by financial contributions from Alberta Environment and Alberta Energy. Industry, government and non-government organizations provided additional funding and in-kind support for CASA projects.

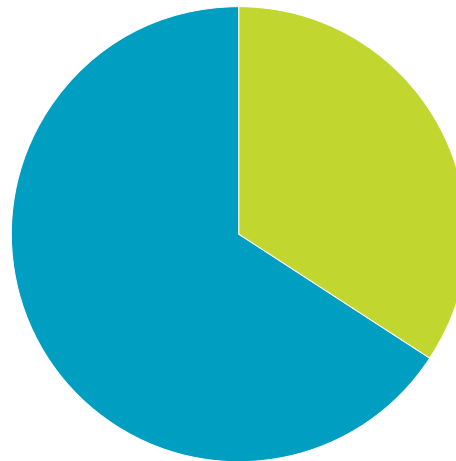
CASA has tried to put an actual dollar figure on the support and assistance provided by each sector. The figures are compiled by examining time and travel costs, as well as cash and in-kind contributions, and likely underestimate the actual value of stakeholder contributions. These figures are offered to acknowledge and recognize participant involvement.

Cash and In-Kind Contributions by Stakeholder Group



Government	\$1,709,553.00
Industry	\$ 434,725.00
NGO	\$ 247,200.00
Total	\$2,391,478.00

Total Cash and In-Kind Contributions



In-Kind	\$ 823,478.00
Cash	\$1,568,000.00
Total	\$2,391,478.00

the organizations

VOLUNTEERS

It takes many people behind the scenes to support the people who sit at either at the board table or contribute their time for projects. CASA thanks those many people who have provided that unsung foundation through substantial and valuable contributions of time and expertise.

Over 100 organizations offered financial and in-kind support to CASA, ensuring our continuing success.

- Aecon Industrial
- Agri-Environmental Partnership of Alberta
- Agrium
- Alberta Agriculture and Rural Development
- Alberta Airsheds Council
- Alberta Association of Municipal Districts & Counties
- Alberta Beef Producers
- Alberta Energy
- Alberta Environment
- Alberta Federation of Labour
- Alberta Forest Products Association
- Alberta Health and Wellness
- Alberta Health Services (Calgary and Area)
- Alberta Infrastructure and Transportation
- Alberta Motor Association
- Alberta Motor Transportation Association
- Alberta Roadbuilders & Heavy Construction Association
- Alberta Sustainable Resource Development
- Alberta Urban Municipalities Association
- Alberta Utilities Commission
- Alberta Water Council
- AltaGas Ltd.
- ATCO Power Canada Ltd.
- Bert Riggall Environmental Foundation
- Building Owner & Managers Association of Edmonton
- Bullfrog Power Inc.
- Calgary Motor Dealers Association
- Calgary Region Airshed Zone
- Calgary Regional Health Authority
- Canadian Association of Petroleum Producers
- Canadian Chemical Producer's Association – Alberta
- Canadian Home Builders Association
- Canadian Natural Resources Limited
- Canadian Petroleum Products Institute
- Capital Health
- Capital Power Corporation
- City of Calgary
- City of Camrose
- City of Edmonton
- Climate Change Central
- CMHC, Nunavut & NWT Business Centre
- COPD & Asthma Network of Alberta
- David Thompson Health Region
- Department of Energy
- Edmonton Public School Board
- Employment and Immigration
- EnCana
- Energy Resources Conservation Board
- ENMAX Energy Corporation
- Environment Canada
- EPCOR
- EPCOR Energy Services
- Fort Air Partnership
- Government of BC, Oil and Gas Commission
- Graymont Western Canada
- Green Alberta Sustainable Product Assessment Inc.
- Green Planet Communications
- Health Canada, Alberta/Northwest Territories Region
- Husky Energy
- Imperial Oil Resources
- Intensive Livestock Working Group
- Keyera
- Lafarge Canada Inc.
- Lakeland Industry and Community Association
- Lung Association, Alberta & NWT
- MEGlobal Canada Inc.
- Mewassin Community Council
- MGV Energy Inc. / CSUG
- Milner Power Inc.
- Northern Lights Health Region
- NOVA Chemicals Corporation
- Palliser Airshed Society
- Parkland Airshed Management Zone
- Peace Airshed Zone Association
- Pembina Agricultural Protection Association
- Pembina Institute
- Petro Canada
- Ponoka Fish and Game
- Prairie Acid Rain Coalition
- Residents for Accountability in Power Industry Development
- Saskatchewan Ministry of Energy and Resources
- Shell Canada Limited
- Small Explorers and Producers Association of Canada
- South Peace Environmental Association
- Southern Alberta Group for the Environment
- Suncor Energy Inc.
- Town of Canmore
- Town of Whitecourt
- Toxics Watch Society of Alberta
- TransAlta Generation Partnership
- TransCanada
- TransCanada Transmission
- University of Alberta
- West Central Airshed Society
- Wildrose Agricultural Producers
- Wood Buffalo Environmental Association



Financial Statements for the year ended December 31, 2009

auditor's report

To the Members of The Clean Air Strategic Alliance Association
Edmonton, Alberta

We have audited the statement of financial position of The Clean Air Strategic Alliance Association (the "Association") as at December 31, 2009 and the statements of revenue, expenditures and fund balances and cash flows for the year then ended. These financial statements are the responsibility of the Association's management. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with Canadian generally accepted auditing standards. Those standards require that we plan and perform an audit to obtain reasonable assurance whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation.

In our opinion, these financial statements present fairly, in all material respects, the financial position of the Association as at December 31, 2009 and the results of its operations and cash flows for the year then ended in accordance with Canadian generally accepted accounting principles.



HAWKINGS EPP DUMONT LLP
Chartered Accountants

Edmonton, Alberta
January 26, 2010



Chartered Accountants

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statement of financial position

AS AT DECEMBER 31, 2009

	2009			2008
	Core	Projects	Total	Total
ASSETS				
Current Assets				
Cash and cash equivalents (Note 3)	\$ 1,297,709	\$ 334,576	\$ 1,632,285	\$ 1,392,472
Receivables (Note 4)	6,797	40,000	46,797	143,656
Interfund receivable (payable)	(15,633)	15,633	–	–
Prepaid expenses	7,380	–	7,380	8,422
	1,296,253	390,209	1,686,462	1,544,550
Property and Equipment (Note 5)	11,404	–	11,404	13,110
	\$ 1,307,657	\$ 390,209	\$ 1,697,866	\$ 1,557,660
LIABILITIES AND FUND BALANCES				
Current Liabilities				
Accounts payable and accrued liabilities	\$ 21,349	\$ 21,319	\$ 42,668	\$ 144,009
Deferred contributions (Note 6)	906,140	368,890	1,275,030	1,039,107
	927,489	390,209	1,317,698	1,183,116
Fund Balances				
Internally restricted (Note 2 (a))	290,000	–	290,000	290,000
Unrestricted				
Invested in property and equipment	11,404	–	11,404	13,110
Available for operations	78,764	–	78,764	71,434
	380,168	–	380,168	374,544
	\$ 1,307,657	\$ 390,209	\$ 1,697,866	\$ 1,557,660

The accompanying notes are an integral part of these financial statements.

On Behalf of the Board: President



Executive Director



statement of operations and changes in fund balances

FOR THE YEAR ENDED
DECEMBER 31, 2009

	2009			2008
	Core	Projects	Total	Total
Revenue				
Grants	\$ 836,590	\$ 430,487	\$ 1,267,077	\$ 1,308,160
Interest	5,624	746	6,370	33,966
Insurance proceeds	–	–	–	8,168
	842,214	431,233	1,273,447	1,350,294
Expenses (Schedule 1)				
Projects	342,199	–	342,199	329,756
General and administrative	287,399	–	287,399	280,689
Board support	111,756	–	111,756	102,108
Communications	94,299	–	94,299	104,247
Other	937	–	937	2,546
External Projects	–	431,233	431,233	497,586
	836,590	431,233	1,267,823	1,316,932
Excess of Revenue over Expenses	5,624	–	5,624	33,362
Fund Balance, Beginning of Year	374,544	–	374,544	341,182
Fund Balance, End of Year	\$ 380,168	\$ –	\$ 380,168	\$ 374,544

The accompanying notes are an integral part of these financial statements.

statement of cash flows

FOR THE YEAR ENDED DECEMBER 31, 2009

	2009	2008
Operating Activities		
Cash from operations		
Excess of revenue over expenses	\$ 5,624	\$ 33,362
Amortization	5,946	4,574
Write-down of property and equipment	-	1,635
	11,570	39,571
Change in non-cash working capital balances related to operations:		
Increase in accounts receivable	96,859	59,756
Decrease (increase) in prepaid expenses	1,042	(2,618)
Increase (decrease) in accounts payable and accrued liabilities	(101,342)	89,440
Increase in deferred contributions	235,923	637,940
	244,052	824,089
Investing Activities		
Purchase of property and equipment	(4,239)	(13,427)
Change in Cash During the Year	239,813	810,662
Cash, Beginning of Year	1,392,472	581,810
Cash, End of Year	\$ 1,632,285	\$ 1,392,472
Additional Cash Flow Information:		
Interest received	\$ 10,799	\$ 25,687

The accompanying notes are an integral part of these financial statements.

NOTE 1 NATURE OF OPERATIONS

The Clean Air Strategic Alliance Association is a non-profit organization incorporated March 14, 1994 under the *Societies Act* of Alberta and is not taxable under the Canadian *Income Tax Act*. The Association is comprised of members from three distinct stakeholder categories: industry, government and non-government organizations. The Association has been given shared responsibility by its members for strategic air quality planning, organizing and coordination of resources, and evaluation of results in Alberta. In support of these objectives, the Association receives cash funding from the Province of Alberta as well as cash and in-kind support from other members.

NOTE 2 ACCOUNTING POLICIES

The financial statements have been prepared on a fund accounting basis using the deferral method of accounting for contributions in accordance with Canadian generally accepted accounting principles ("GAAP") and include the following significant policies:

(a) Fund Accounting

The Core Project Fund accounts for funds provided by governments together with interest earned that are used to support general operations. The fund balance is an accumulation of interest earned. The Board of Directors has internally restricted accumulation of this fund to pay necessary expenses in the event of the wind down of the Association. The unrestricted portion of this fund consists of the undepreciated balance of property and equipment, entitled investment in property and equipment and the remainder of the fund entitled available for operations.

The External Projects Fund accounts for funds provided by Association stakeholders together with interest earned that are raised and expended by project teams for specific purposes.

(b) Property and Equipment

Property and equipment are recorded at cost. Amortization, which is based on the cost less the residual value over the useful life of the asset, is computed using the following methods and rates:

Computer equipment	Declining-balance	30%
Furniture and equipment	Declining-balance	30%

Long-lived assets are tested for recoverability whenever events or changes in circumstances indicate their carrying amount may not be recoverable. An impairment loss is recognized when its carrying value exceeds the total undiscounted cash flows expected from their use and eventual disposition. The amount of the impairment loss is determined as the excess of the carrying value of the asset over its fair value.

(c) Non-monetary Support

Association members contribute non-monetary support including staff resources, meeting space and publication support. The value of this non-monetary support is not reflected in these financial statements.

(d) Revenue Recognition

Grants are recognized as income at an amount equal to expenses incurred for core projects. Interest is earned from short-term investments computed on the accrual basis.

(e) Use of Estimates

The preparation of financial statements in accordance with GAAP requires management to make estimates and assumptions that affect the recorded amounts of assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenditures during the reporting period. Actual results could differ from these estimates. Significant areas requiring the use of management's estimates include the collectible amounts of accounts receivable, the useful lives of property and equipment and the corresponding rates of amortization and the amount of accrued liabilities.

NOTE 2 ACCOUNTING POLICIES (cont'd)

(f) Financial Instruments

The Association's financial instruments consist of cash, short-term investments, accounts receivable and accounts payable and accrued liabilities. Unless otherwise noted, the fair values of these financial instruments approximate their carrying value. It is management's opinion that the Association is not exposed to significant currency or credit risks arising from these financial instruments.

The Association is exposed to interest rate risk on interest earned from short-term investments because the interest rate fluctuates with the prime rate.

The Association is exposed to credit risk through accounts receivable. This risk is minimized as the core funding is received from governments and project funding is received prior to expenditures being incurred.

NOTE 3 CASH AND CASH EQUIVALENTS

	2009	2008
Savings accounts	\$ 1,278,381	\$ -
Operating accounts	224,810	279,496
Term deposits	129,094	1,112,976
	\$ 1,632,285	\$ 1,392,472

Term deposits bear interest at rates ranging from 0.15% - 0.24% (2008 - 1.10% - 3.00%) and mature in January 2010.

**NOTE 4
RECEIVABLES**

	2009	2008
Grants	\$ 40,000	\$ 132,000
Goods and Services Tax	6,772	7,202
Accrued interest	25	4,454
	\$ 46,797	\$ 143,656

**NOTE 5
PROPERTY AND EQUIPMENT**

	2009			2008
	Cost	Accumulated Amortization	Net Book Value	Net Book Value
Computer equipment	\$ 50,291	\$ 38,931	\$ 11,360	\$ 13,048
Furniture and equipment	4,100	4,056	44	62
	\$ 54,391	\$ 42,987	\$ 11,404	\$ 13,110

NOTE 6 DEFERRED CONTRIBUTIONS

(a) Core Fund

During the year, the Association received grants totalling \$1,250,000 (2008 - \$1,205,000) from the Province of Alberta. The purpose of the grants is to provide core funding in support of the Association's objectives as detailed in Note 1. The Regulations to the *Department of the Environment Act*, the *Department of Energy Act*, the *Department of Health Act*, and the *Department of Agriculture and Food Act* under which the grants have been provided, specify that grants must either be used for the purposes specified in the grant, be used for different purposes if such different purposes are agreed to by the applicant and the respective Minister, or be returned to the Province of Alberta. Accordingly, in the event the Association does not utilize the funds in pursuit of its objectives, any unexpended grant monies remaining may have to be repaid to the Province of Alberta.

	2009	2008
Balance, Beginning of Year	\$ 547,730	\$ 162,076
Grants Received and Receivable During the Year	1,250,000	1,205,000
Transfer to External Projects	(55,000)	-
Revenue Recognized to Cover Expenses During the Year	(836,590)	(819,346)
Balance, End of Year	\$ 906,140	\$ 547,730

(b) External Projects Fund

Deferred external project contributions are comprised of monies received for specific external projects, which have not been expended for the purposes specified in the mandates of the projects.

	2009	2008
Balance, Beginning of Year	\$ 491,377	\$ 239,091
Grants Received and Receivable During the Year	253,000	741,100
Interest Earned During the Year	746	8,772
Transfer from Internal Projects	55,000	-
Revenue Recognized During the Year	(431,233)	(497,586)
Balance, End of Year	\$ 368,890	\$ 491,377

NOTE 7 ECONOMIC DEPENDENCE

The Association's primary source of revenue is grants from the Province of Alberta. The Association's ability to continue viable operations is dependent on this funding.

NOTE 8 CAPITAL MANAGEMENT

The Association's objectives when managing capital are to maintain a sufficient Core Fund balance to achieve the purpose of the funds and to ensure compliance with internal and external restrictions placed on those funds.

In the management of capital, the Association includes fund balances in the definition of capital. As at December 31, 2009, the Association has \$380,168 (2008 - \$374,544) in capital.

Capital management objectives, policies and procedures are unchanged since the preceding year.

SCHEDULE 1

	2009		2008
	(Budget)	(Actual)	(Actual)
Supplies and Services			
Meetings	\$ 69,258	\$ 59,258	\$ 35,053
Travel	99,989	58,331	63,845
Stakeholder honoraria	62,488	50,518	72,190
Printing	29,940	16,882	21,855
Repairs and maintenance	13,946	15,042	16,206
Advertising	13,438	13,964	16,624
Computer equipment	28,486	10,604	6,871
Telecommunications	9,000	9,997	9,354
Office supplies	6,040	7,443	5,741
Subscriptions	7,000	6,653	6,914
Furniture and equipment	8,000	6,547	6,826
Amortization	3,150	5,946	4,574
Insurance	3,356	3,451	3,451
Stakeholder development	3,500	2,164	1,300
Courier	1,850	1,861	2,017
Bank charges	2,000	1,814	1,796
Records storage	1,000	-	-
	362,441	270,475	274,617
Professional Fees			
Consulting	424,893	399,563	483,998
Audit	8,788	8,477	7,692
	433,681	408,040	491,690

The accompanying notes are an integral part of these financial statements.

notes to the financial statements

FOR THE YEAR ENDED DECEMBER 31, 2009

SCHEDULE 1 (cont'd)

	2009		2008
	(Budget)	(Actual)	(Actual)
Human Resources			
Salaries and wages	\$ 499,451	\$ 495,724	\$ 452,271
Benefits	70,689	70,895	59,610
Contracted services	12,854	13,136	23,230
Staff development	9,895	6,107	8,967
Recruiting	2,500	1,547	2,096
Employee recognition	1,700	1,899	2,315
	597,089	589,308	548,489
Other	–	–	2,136
Total Expenses	\$ 1,393,211	\$ 1,267,823	\$ 1,316,932

The accompanying notes are an integral part of these financial statements.

CONTACT INFORMATION

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