



Overview of the ACA

*Air & Waste Management Association Canadian Prairie
and Northern Section*

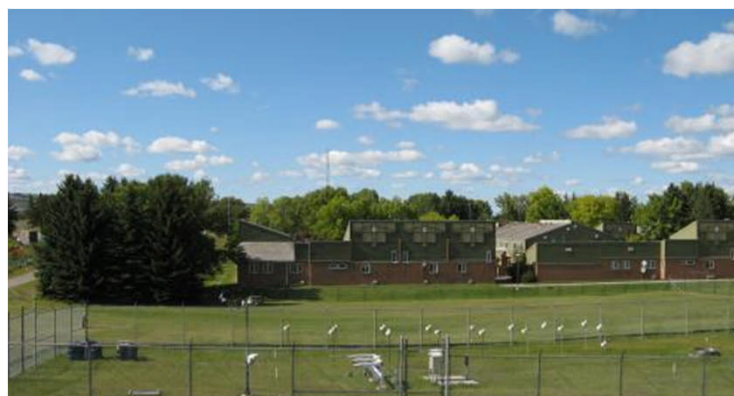
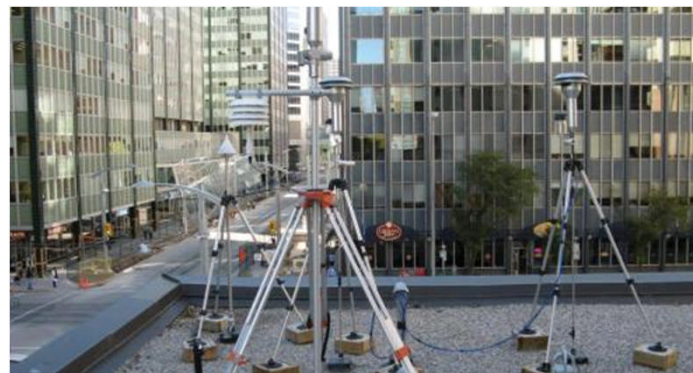
December 6, 2012 - U of A Faculty Club



**Alberta
Capital
Airshed**

- **Background**
- **Origins of the Capital Airshed**
- **ACA Strategic Plan 2012 – 2015**
- **The Changing Environment**
- **Opportunities for Engagement**
- **Questions**

Background



1970 - 1990

- Alberta Environment is created
- Clean Air Act is passed
- Lodgepole blowout (sour gas)
- Increasing tensions around oil and gas developments – demands for AQ data



1990 - 1996

- **Clean Air Strategy for Alberta: Report to the Ministers**
 - Collaboration, Stewardship, Improved environmental performance
- **Clean Air Act replaced by Environmental Protection and Enhancement Act (EPEA)**
 - Greater public access to information, broader public input to the assessment and approval processes and provision for appeals of certain decisions
- **West Central Airshed forms (1st air shed)**

1990 – 1996 *cont'd*

- Clean Strategic Alliance (CASA) established
 - Representatives selected by industry, government and NGOs
 - Comprehensive air quality management system for all Albertans
 - Decisions and recommendations by consensus



1996 – 2006

More airshed zones form...

1. Wood Buffalo Environmental Association (1997)
2. Parkland Air Management Zone (1997)
3. Fort Air Partnership (1997)
4. Lakeland Industry and Community Association (2000)
5. Peace Airshed Zone Association (2003)
6. Palliser Airshed Society (2005)
7. Calgary Region Airshed Zone (2005)
8. Alberta Capital Airshed (2006)



Alberta Airshed Council forms in 2006 to support and advocate so that Airshed Zones are sustainable, credible and cooperative

Origins of the Alberta Capital Airshed



Early 2000s

Stakeholders want:

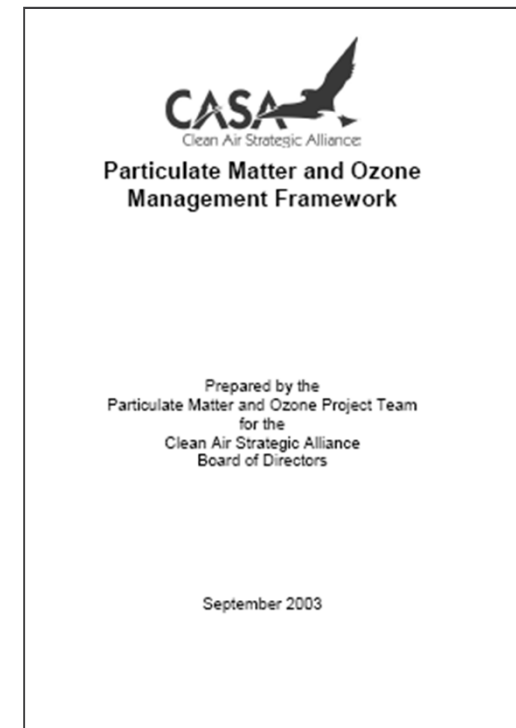
- A multi-stakeholder cooperative model for air quality monitoring and management
- Scientifically defensible data and information
- Forum for open communication
- Public communication and consultation

Lots of questions ...

- What's the role of an urban airshed?
- What was air quality management? What were the region's air quality challenges?
- Who should participate in the airzone management group?
- What were the immediate needs?
- How do we work with existing monitoring agencies?
- How do we work with the regulator?
- What was the role of the Municipalities? Industry? NGOs? Citizens?
- Who was doing what and really what was the gap?

CASA - PM and Ozone Management Framework (2003)

- Need to have an airshed zone approach in the capital region to complete a PM and Ozone plan
- Alberta Central Airshed Zone forms informally



Alberta Capital Airshed Alliance

- Forms in 2006
- Partners with neighbouring airsheds FAP and WCAS in the Capital Air Partnership to develop PM and Ozone Management Plan
- Launches strategic plan – emphasis on building organization
- Hires Executive Director (2008)
- Initiates forum for discussion, community education, etc.



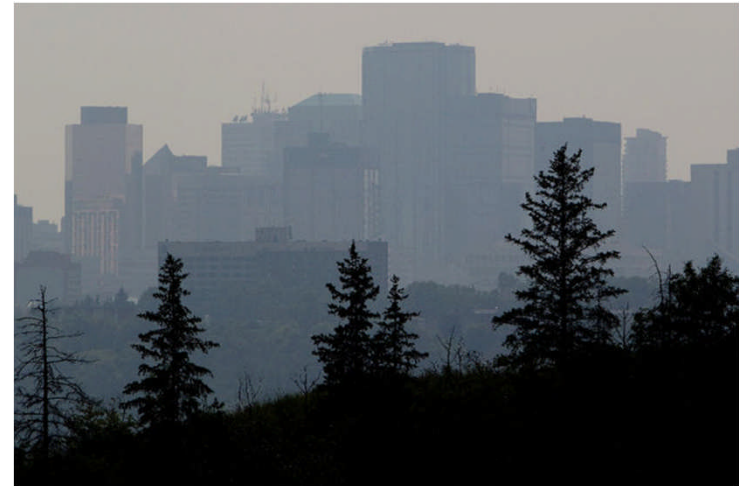
Capital Region Ozone Management Plan

Prepared by
Capital Airshed Partnership
for
Alberta Environment

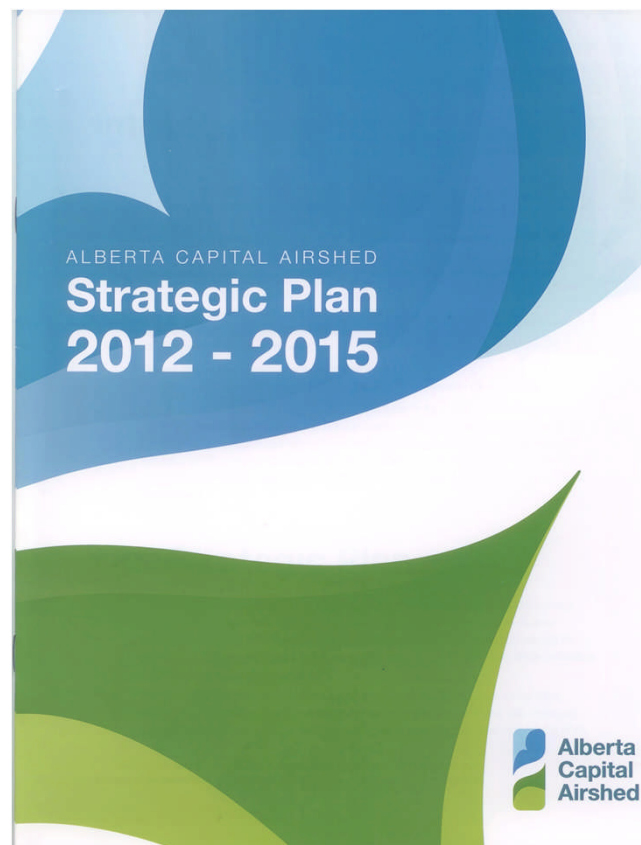
December, 2008

2012

- Updated name (Alberta Capital Airshed) and brand
- New strategic plan – emphasis on being involved in monitoring as well as AQ management and education



Alberta Capital Airshed - Strategic Plan



Strategic Plan (2012 – 2015)

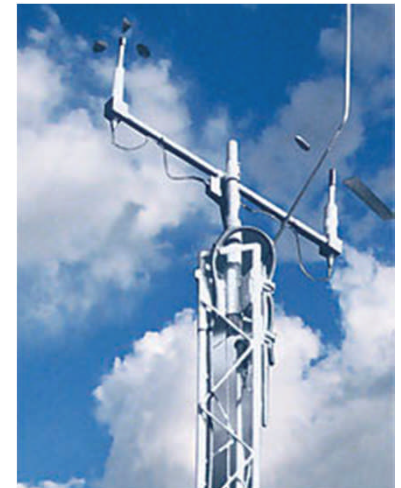
Focus Areas

- Air Quality Monitoring
- Air Quality Education
- Air Quality Management
- Organizational Capacity



Air Quality Monitoring

- Network Assessment
 - Engage, finalize/update and distribute
 - AESRD to undertake a regional assessment
- Live Data
 - Data from AESRD, SIA and Lehigh to new ACA website
- Manage Stations
 - Assume management of two AESRD AQM stations (Edmonton Centre & South)



Air Quality Monitoring (cont'd)

- Passive Monitoring
 - Develop a plan for passive monitoring to help fill gaps, inform needs, etc.
- Innovative Monitoring
 - Personal air quality sensors – crowd sourcing



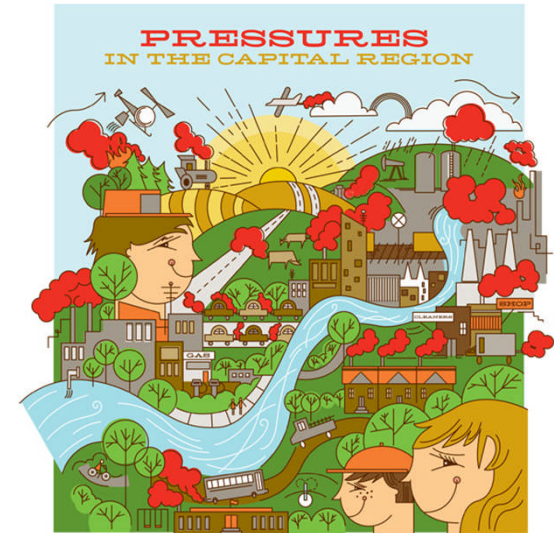
Air Quality Education

- Develop a Communications and Outreach Plan
 - Stakeholder engagement
 - AQHI promotion
 - Events
 - Support tools for members (anti-idling kit)
- Repository of AQ Educational Materials
 - AQ literacy baseline
 - Collect, link to or develop materials as required
- Odour Management
 - Workshops



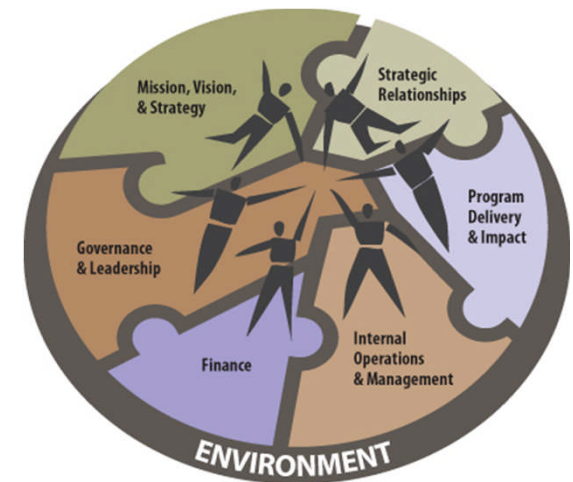
Air Quality Management

- CRAQMF
 - Participate/support and help implement
 - Future role of facilitation?
- Ozone Management Plan
 - Work with CAP to progress the plan
- AQ issues not addressed in other plans
 - Odour Management framework?
 - Other CASA initiatives



Organizational Capacity

- Governance and Human Resources
 - Board policies
 - Building out the structure (committees)
 - Strategic planning
- Membership
 - Document member needs
 - Identify and recruit new members
- Fund Raising
 - Secure long term sustainable funding
 - AESRD, membership, etc.



Benefits of the Strategic Plan

- Puts ACA in alignment with CASA and other 8 air shed zones
- Creates a foundation of focus areas to plan around
- Clarity and certainty for members /potential members
- Provides direction to all ACA resources (Board, ED, committees, contractors, etc.)

Changing Environment



Air Quality Management System (AQMS)

Collaboration between federal government, provinces/territories, industry, environmental and health organizations; led by CCME

1. Canadian Ambient Air Quality Standards (CAAQS)
2. Base Level Industrial Emissions Requirements (BLIERs)
3. Regional Airsheds
4. Air Zones (within Provinces)
5. Mobile Source Emissions



Air Quality Management System (AQMS)

As part of Alberta's implementation efforts, new provincial air zones aligned with Landuse Framework boundaries have been delineated for air quality reporting and management.

Role of Alberta air zones :

- Understand air quality, major sources of emissions and trends
- Develop management plans – with level of action determined by air quality that address all sources of pollution (point and non-point)
- Report regularly to the public on air quality, management level and action taken

Relationship between Air Zones and Airshed Zones

ACA falls within the North Saskatchewan Region, along with

- Calgary Regional Airshed Zone
- Parkland Air Management Zone
- West Central Airshed
- Fort Air Partnership
- Lakeland Industry and Community Association



Roles of an Airshed zone within an Air Zone?

- Not for profit focused on:
 - non-regulatory management
 - education
- Operate stations
- Participate on air zone management team
- Need to adjust boundaries?



Clearing the Air: *Alberta's Renewed Clean Air Strategy*

1. Regional air quality management

- Coordination between air zones/LUF regions, airshed zones
- Provincial and regional frameworks
- Non point sources

2. Shared responsibility and partnerships

- Communications
- Policy integration
- Role clarification
- Partnerships in decision making and delivery

Clearing the Air: *Alberta's Renewed Clean Air Strategy*

3. Integrated monitoring, evaluation, and reporting

- Comprehensive monitoring programs
- Enhance data reporting, management and access
- Strengthen evaluation

4. Knowledge enhancement

- Increase public knowledge
- Enhance research
- Encourage continuous improvement
- Emissions inventories

Engage with ACA



Board of Directors (2012-13)

Lisa Avis

Klay Dyer

Raquel Feroe

Brent Korobanik (*Chair*)

Fabio Garagiola

Darcy Garchinski (*Treasurer*)

Trina Innes

Mike Mellross (*Vice Chair*)

Jocelyn Thrasher-Haug

AESRD

NAIT

Eco Air

Lehigh Cement

Strathcona Industrial Association

Alberta Health Services

U of A

City of Edmonton

Strathcona County

Join as a member

- Any local organization with an interest in air quality is welcome to join

Join a committee

- Technical Working Committee
- Communications and Educational Committee

Partner

- How can we work together?

"Never doubt that a small,
group of thoughtful,
committed citizens can change
the world. Indeed, it is the
only thing that ever has."
--Margaret Mead



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