

# Overview of CASA

**Science Symposium on Nitrogen**

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# Outline

1. About CASA
2. CASA Successes
3. CASA Science Symposium



# 1. About CASA



# CASA Vision

The air will be odourless, tasteless, look clear and have no measurable short or long-term adverse effects on people, animals or the environment.



# CASA Mission

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



# CASA Goals

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



# About CASA

- **Non-profit** organization
- Brings together diverse stakeholders from **government, industry and non-government organizations**
- Conducts **strategic air quality planning** for Alberta using shared responsibility
- Policy decisions are **consensus based**



# Consensus Decision Making

A process in which all those who have a stake in the outcome aim to reach agreement on actions and outcomes that resolve or advance issues related to environmental, social, and economic sustainability.

National Round Table on Environment & Economy  
*Building Consensus for a Sustainable Future*, 1993



# Stakeholder Partners

## Government

- Alberta Environment
- Alberta Energy
- Alberta Health & Wellness
- Local Government – AUMA
- Local Government – AAMD&C
- Environment Canada
- Metis
- First Nations

## Non-government Organizations

- NGO Health
- NGO Pollution (2)
- NGO Wilderness

## Industry

- Oil & Gas – CAPP
- Agriculture
- Chemical Manufacturers - CCPA
- Petroleum Products – CPPI
- Forestry - AFPA
- Mining
- Utilities
- Alternate Energy

# CASA Decision Making

## Comprehensive Air Quality Management System: CASA's Decision Making Process

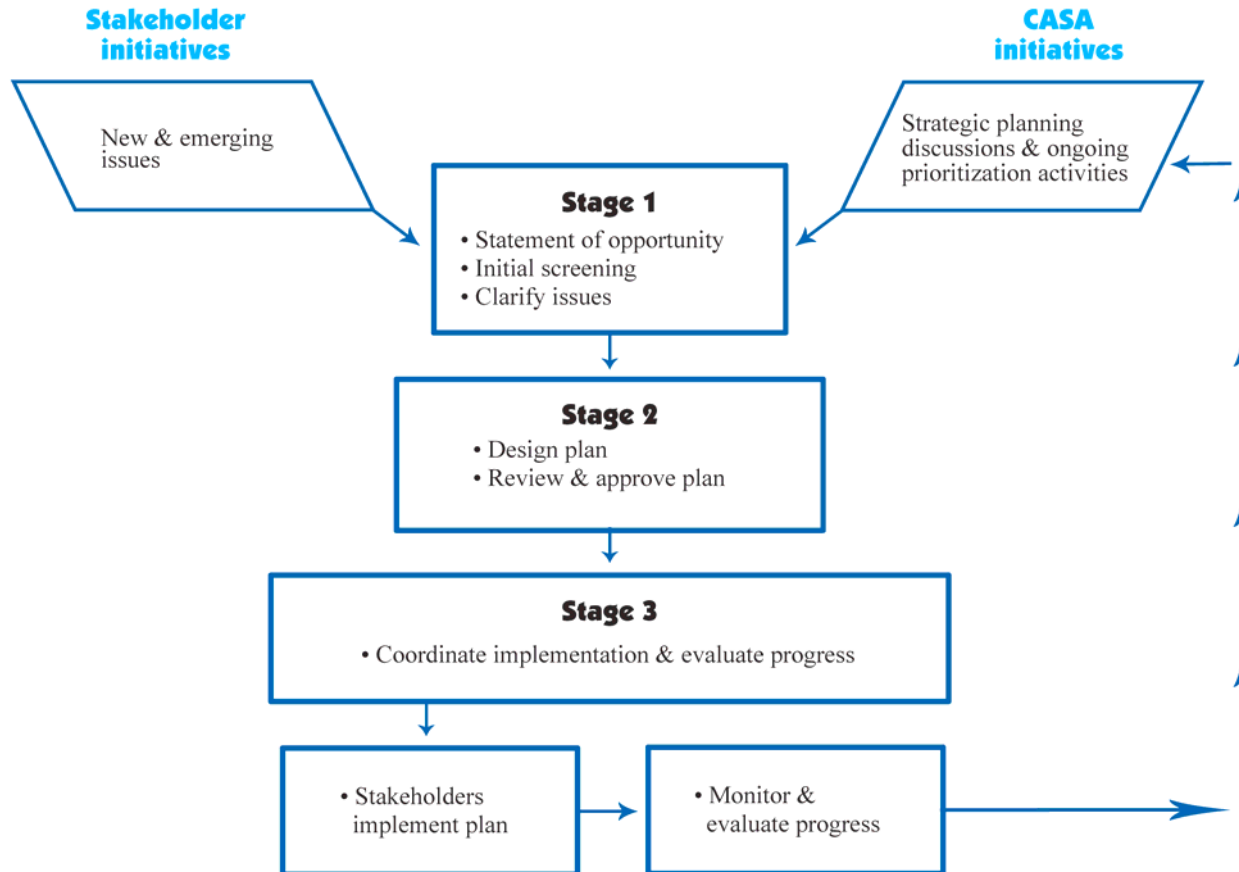


Figure 1: CASA's Basic Decision Making Process

# Current CASA Teams

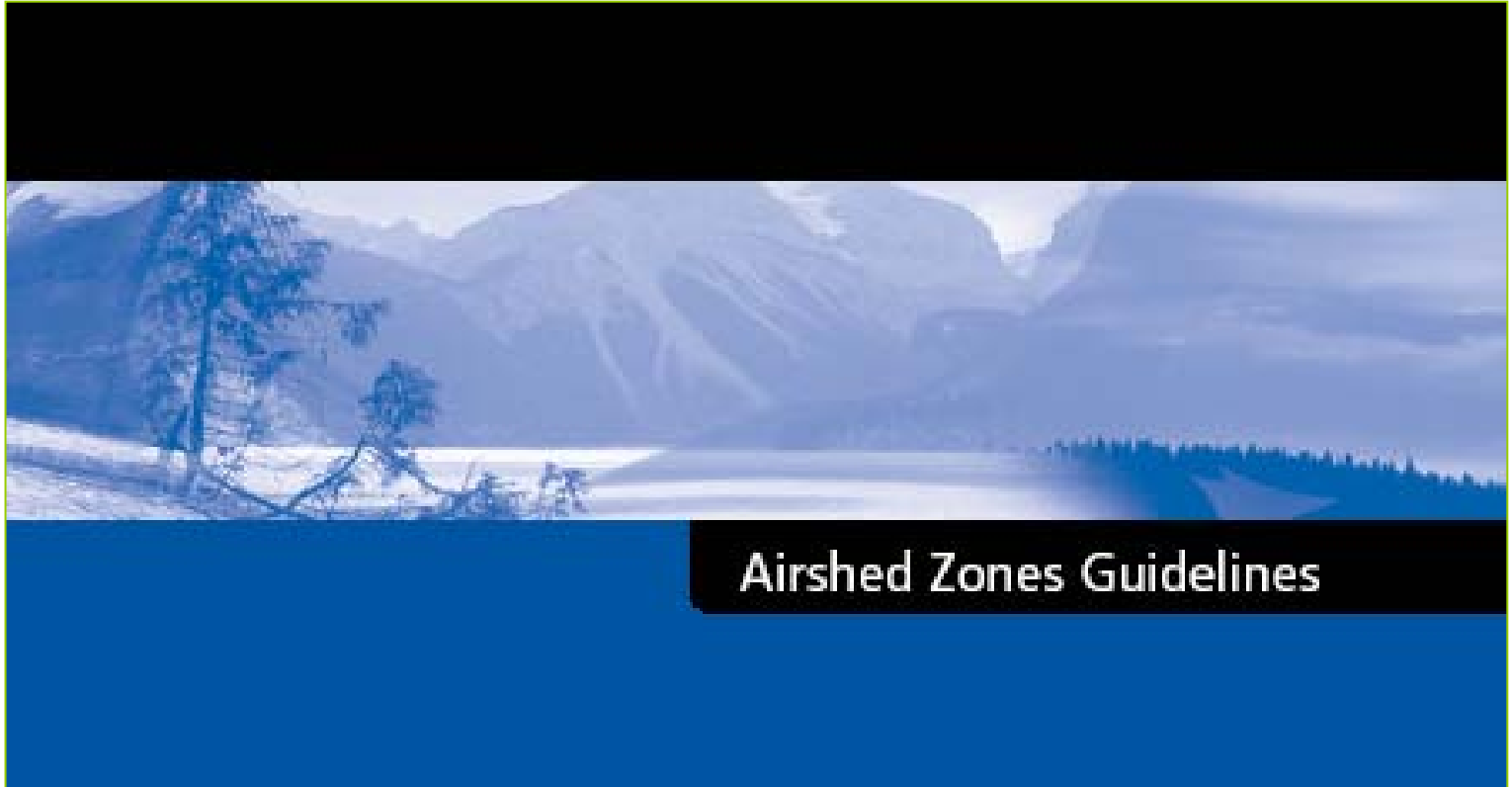
1. Ambient Monitoring – Strategic Plan
2. Confined Feeding Operations
3. Electrical Efficiency & Conservation
4. Flaring and Venting
5. Human & Animal Health
6. Indoor Air Quality
7. Operations Steering Committee – Ambient Air Quality Monitoring Network
8. PM & Ozone Implementation
9. Renewable & Alternative Energy
10. Science Symposium
11. Vehicle Emissions

# Benefits

- Partners use consensus to develop innovative solutions that meet environmental & economic needs
- With consensus, solutions are long-lasting, implementable and supported by all stakeholders
- Government contributions leverage contributions of time and resources from industry & NGOs



## 2. **CASA Successes**



Airshed Zones Guidelines

# 10 Successes



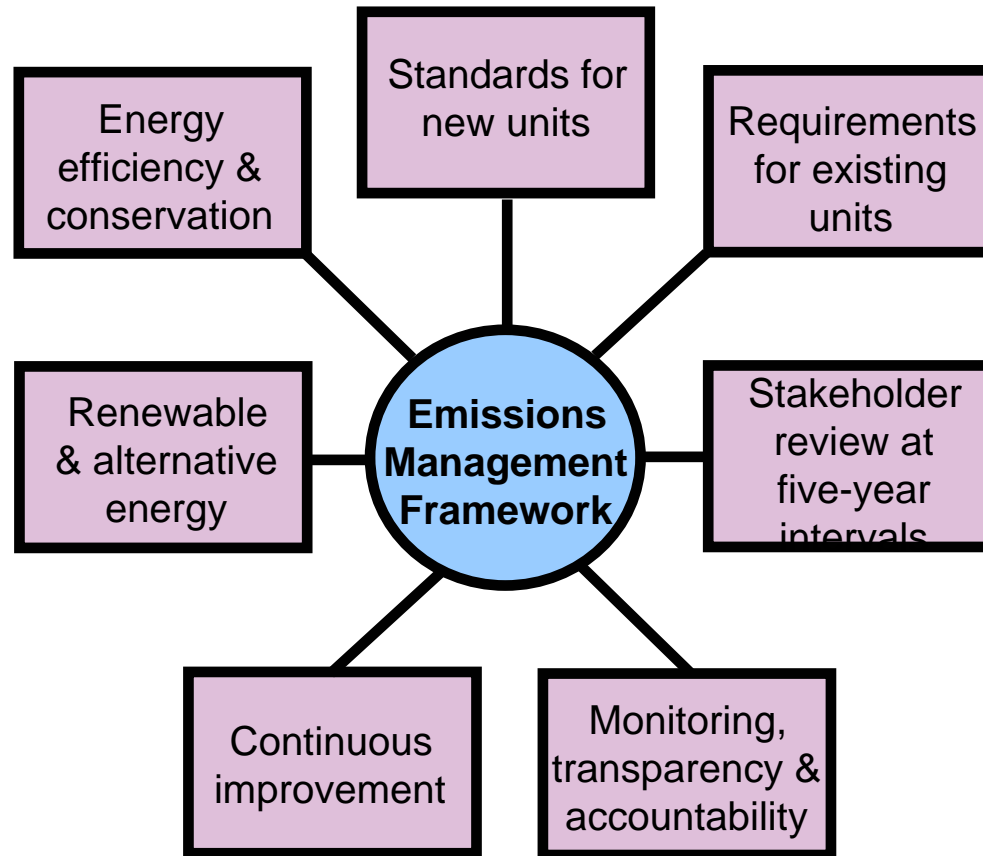
## CASA's 10 Successes in 10 Years

The Clean Air Strategic Alliance (CASA) was established in 1994 as a better way to manage air quality issues in Alberta. CASA is celebrating its 10<sup>th</sup> anniversary and thanks to the dedicated efforts of its many stakeholders and supporters, it has accomplished a great deal in the last ten years. Because air quality affects many parts of the ecosystem, protecting Alberta's air avoids other impacts on water, soil, plants, animals and human health.

CASA's decade of leadership in dealing with air quality issues has been publicly and prominently recognized, including two Alberta Emerald Awards for Environmental Excellence and two Premier's Awards of Excellence.

Read on to find out how this unique partnership of environmental and health groups, industry and government is bringing all of us closer to our vision.

# Electricity Project Team

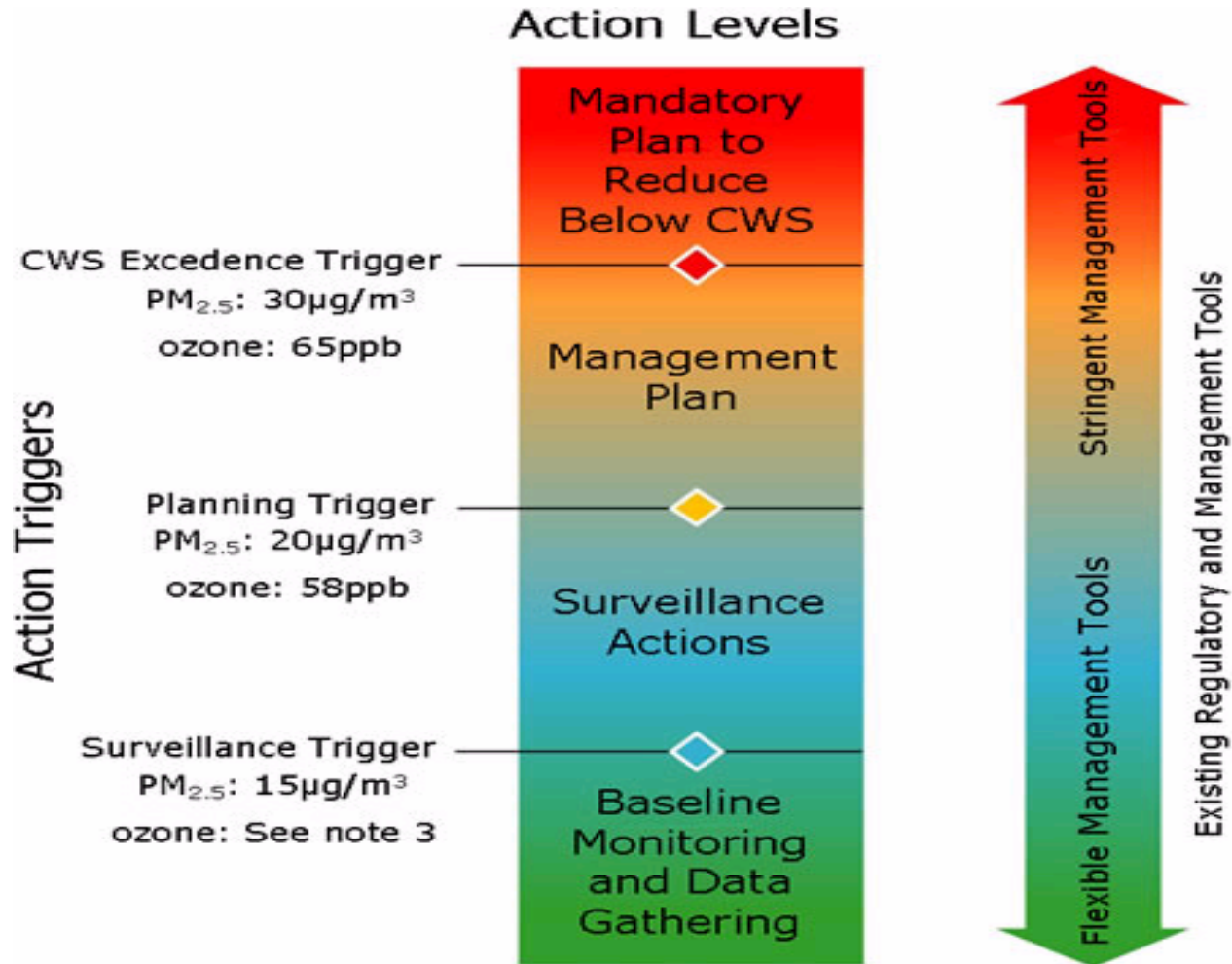


# Flaring & Venting Project Team

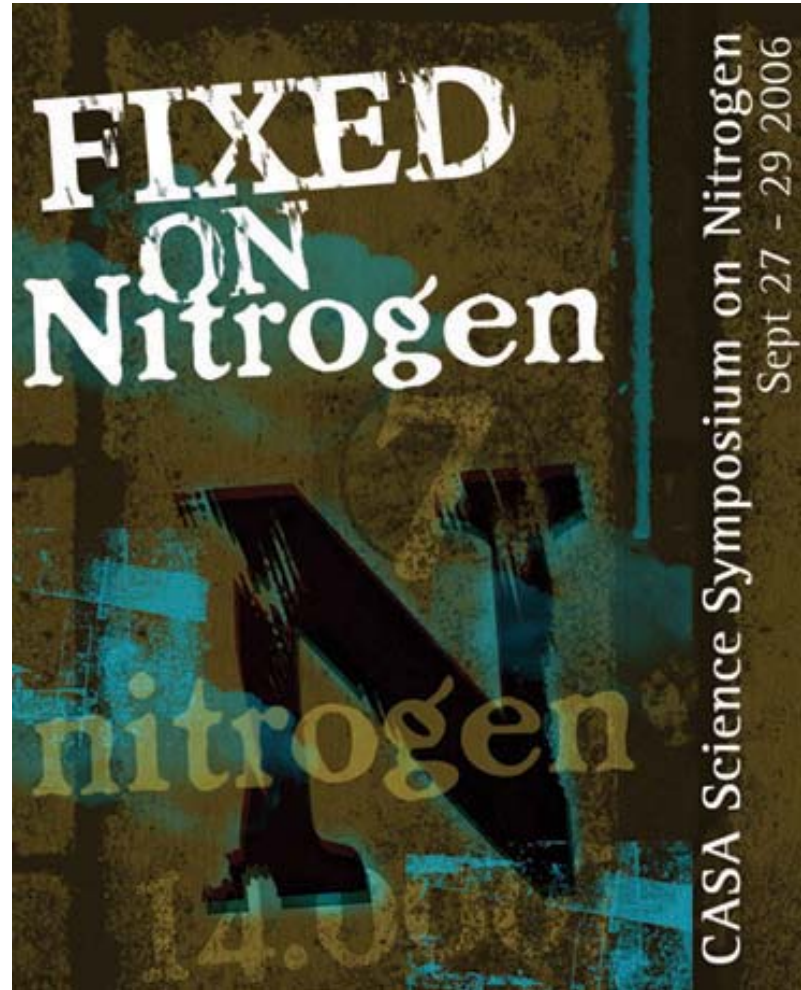




# PM and Ozone Framework



# 3. **CASA Science Symposium**



# CASA Science Symposia

- 1996 – Acidifying Emissions
- 2002 – Air Quality and Human Health
- 2006 – Nitrogen



# Science Symposium on Nitrogen

- Proposed in 2005 by:
  - Acid Deposition Assessment Group – Alberta Environment
  - NO<sub>x</sub>-SO<sub>2</sub> Working Group – Cumulative Environmental Management Association (CEMA)
- Goals:
  1. Address issues related to the science of nitrogen emissions and their environmental effects
  2. Examine risks and management approaches for these issues in Alberta
- Planned by multi-stakeholder organizing committee



# Thanks

- Sponsors
- Presenters and Co-chairs
- Science Symposium Organizing Committee
- CASA Secretariat



# CASA Websites

- [www.casahome.org](http://www.casahome.org)
  - [www.casadata.org](http://www.casadata.org)
  - [www.airsheds.ca](http://www.airsheds.ca)
  - [www.cleanbus.ca](http://www.cleanbus.ca)
  - [www.casa-electricity.org](http://www.casa-electricity.org)

