

# **Does Registration Add Value?**

## ***The City of Calgary “EnviroSystem” Experience***

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Annual General Meeting***

# Presentation Outline

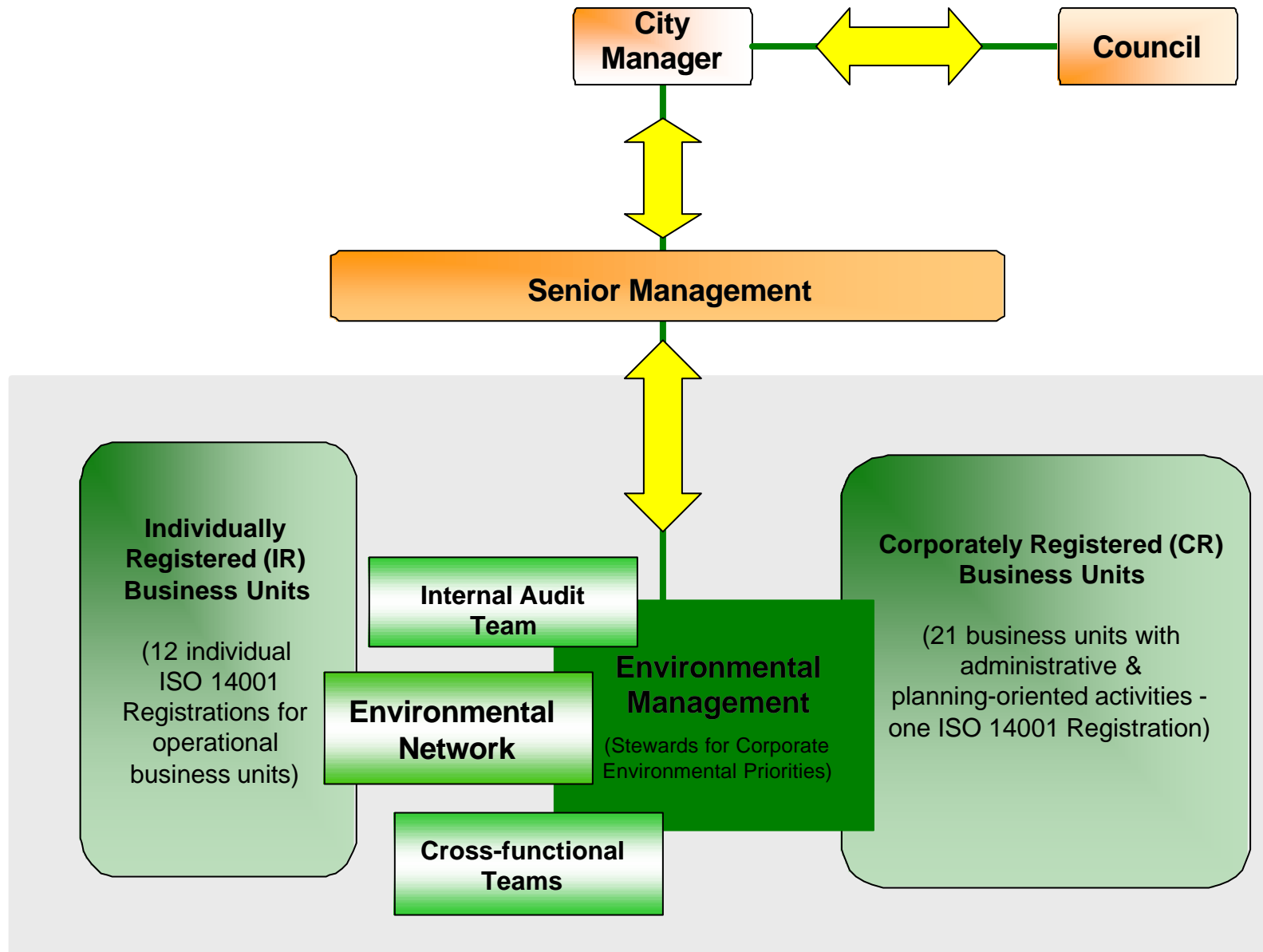
- *ISO 14001 and The City of Calgary's EMS*
- *Why we registered to 14001 and why it succeeded*
- *Value added from stakeholder's perspective*
- *ISO 14001 registration a platform for sustainability initiatives*

# ISO 14001 and our EMS

- *September 2003 The City of Calgary was recommended for Corporate-wide ISO 14001 registration of its EMS*
- *Registration scope includes:*
  - *12 individually registered, operational business units*
  - *One “umbrella” registration, which includes the 21 corporately registered business units*



## How ISO 14001 has been applied at the City of Calgary



# Why did City of Calgary adopt ISO 14001?

- *Improved environmental performance required - compliance/due diligence*
- *Strong support/leadership from Council/Senior Administration - public surveys rate “quality of life/environment” high for Calgarians*
- *Council desire to demonstrate environmental leadership*



# Why did City of Calgary adopt ISO 14001?

- *Council familiar with and perceived value of external audit*
- *ISO Registrations “owned” by BUs and adapted to organizational structure*
- *ISO process has potential application to other City business processes and sustainability initiatives*



# Why has ISO succeeded?

## Value added - Staff perspective

### ***Improved communication and awareness (up, down, and across the Corporation)...***

- *Strong communication  
(Environmental Network)*
- *Cross-functional Teams foster  
communication and achievement*
- *Newsletters, bulletins, awareness  
contests, reporting to senior  
management and City Council*
- *Shared vision has grown to shared  
values*



# Why has ISO succeeded?

## Value added - Senior administration

### ***Commitment, ownership and accountability...***

- *Clear Council & Executive Environmental Policy, vision, and dedicated resources*
- *Unwavering accountability reporting to Council and Executive*
- *Absolute ownership and accountability of operational business units - ability to link environmental targets to staff performance measures*

#### THE CITY OF CALGARY'S ENVIRONMENTAL POLICY



The City of Calgary is committed to becoming an environmentally sustainable community by providing the leadership to conserve, protect and improve the environment for the benefit of Calgarians and the regional community. The City of Calgary will integrate sustainable social, economic and environmental objectives into a co-ordinated decision-making process to maintain high standards of living, social harmony and environmental quality.

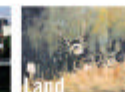
##### The 3C's of The City of Calgary's Environmental Policy

1. **Comply** with applicable legislation.
2. **Conserve** resources and prevent pollution.
3. **Continually** improve our environmental performance.



The City of Calgary has a significant influence on the local and surrounding environment. It will demonstrate leadership by:

- Ensuring environmental considerations are part of all The City of Calgary decisions respecting planning for growth, development and operations;
- Initiating and enforcing municipal by-laws and promoting legislative initiatives by other orders of government;
- Ensuring The City of Calgary's own operations comply with environmental legislation and other environmental requirements;
- Encouraging and demonstrating resource conservation and pollution prevention;
- Communicating and consulting with all relevant stakeholders for input into the development of The City of Calgary's environmental objectives;
- Implementing and continually improving an environmental management system for operational effectiveness to fulfill The City of Calgary's environmental policy and objectives.



# Why has ISO succeeded?

## Value added - Senior administration

### ***Consistency and systems approach...***

- *Improved communication tools and documentation*
- *Development of best practices - migration across all business units*
- *Identification of gaps/deficiencies in other City management processes that lack systems approach - e.g. Safety*



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## EnviroSystem

The City of Calgary's  
Environmental Management System



EnviroSystem  
Overview



Environmental  
Network



Reporting &  
Indicators



Environmental  
Priorities



Policies &  
Procedures



### New!

[EnviroSystem Bulletin](#)

[Green Briefs Toolkit](#)

[Idling Reduction Video](#)

[Mayor's EnviroChallenge](#)

### Quick Links

THE CITY OF CALGARY'S ENVIRONMENTAL POLICY



[EnviroSystem Report 2003](#)

[City Environment Video](#)

[Links](#)

[Training](#)

# Welcome...

## to our internal EnviroSystem website!

Here's the latest information on what we believe is an exciting new system - we call it **EnviroSystem**.

**Explore our site to learn more!**

### Good News Story

#### Providing Consistency with Best Management Practices



In late 2002, the Operations Environmental Improvement (OEI) Committee was formed as a sub-committee of the Environmental Network. The Environmental Network is represented by each Operating Business Unit and shares information and ideas on environmental topics. The mandate of the OEI is to develop standardized best management practices (BMPs) that can be used by City employees working on construction or repair sites. The Environmental Network, including the OEI Committee, help to continually improve The City's EnviroSystem.

BMPs are recognized practices or techniques that guide City operations and

# Why has ISO succeeded?

## Value added - Council & Public

### ***Communication, engagement and leading by example...***

- *Improved accountability/reporting*
- *Demonstrating leadership to public/private sector in City (e.g. “leverage” tool for public engagement)*
- *Format to formalize and communicate “high-level” goals/targets (e.g. reversal of 20/80 ratio of recyclable material going to landfill by 2020, negotiating higher level of GreenPower for City)*



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# Why has ISO succeeded?

## Value added - Council & Public

### ***Communication, engagement and leading by example...***

- *ISO Registration seen as solid platform for linkage to other sustainability initiatives (e.g triple bottom line accounting, imagineCalgary - 100 year plan, formal ethical purchasing policy, etc.)*



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# Why has ISO succeeded?

## Value added - Regulators

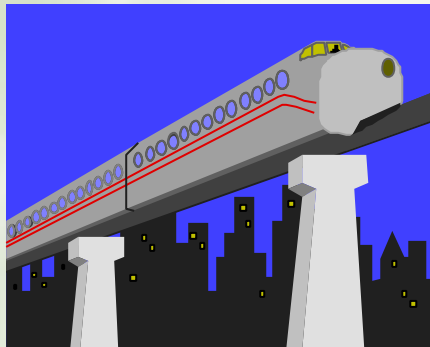
### ***Model of shared best practices for other municipalities, and solid due diligence defense...***

- *Alberta Environment has supported and encouraged sharing our initiatives and best practices with other municipalities*
- *Significantly lowered risk of prosecutions on environmental charges*



## Value added - Future Initiatives

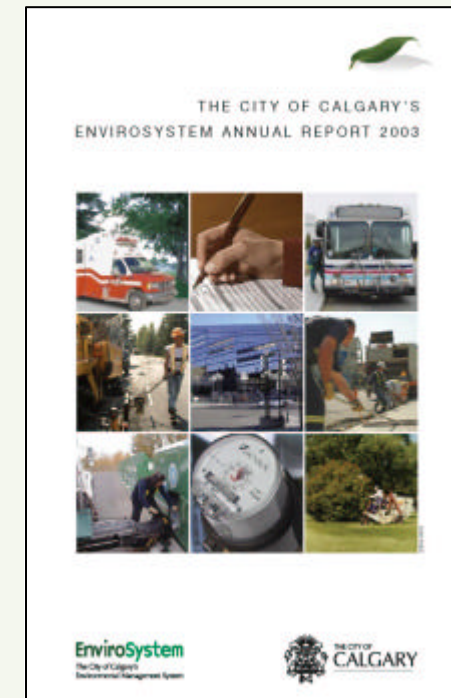
- *View ISO registration costs as initial capital cost, with substantial saving/pay-back amortized over long term*
- *Potential future savings to citizens on utilities, etc. (e.g. district energy, increased wind-generated power, LEED building initiatives, energy performance contracting)*



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# From Compliance to Leadership - Future Plans for Calgary's EMS

- *Monitoring and measuring performance through Annual Report*
- *Move measurement and performance reporting beyond corporate boundaries to the community through "State of the Environment" reporting*
- *Apply principles of EnviroSystem to ALL civic partners*
- *Apply ISO principles to Calgary's Triple Bottom Line and Urban Sustainability initiatives*



# EnviroSystem as a Tool for TBL

- *Increasing concern for Calgary's model of urban growth*
- *Calgary adopts TBL*
  - *1995 - Calgary Transportation Plan*
  - *1997 - Municipal Development Plan*
- *Leadership shared by three business units representing environment, social services and economic policy sectors*
- *Initial focus on TBL policy analysis & application of ISO 14001 process to other management processes*
- *Assess existing policy to provide a consistent basis for TBL action & decision-making*



## The +30 Network - *Calgary is a Founding Member*

***30 cities globally working to develop long-term plans for sustainability***

- *Expectations of our +30 Network membership:*
  - *to develop a long-term (100 year) plan for urban sustainability through a multi-stakeholder process (to be presented in May 2006 to HABITAT PLUS 30)*
  - *to commit to a set of sustainability principles, e.g. Melbourne Principles or others*



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- *Long-term planning (100 year model) has many benefits*
- *Full life cycle impacts assessed for long-lived elements of the built environment like bridges, pipelines, buildings, green spaces*



[www.calgary.ca/imagine](http://www.calgary.ca/imagine)



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- *Allows for planning around mega-trends such as technology, demographics, globalization, and climate change resulting in more resilient, adaptable and responsible plans*
- *Today's obstacles become less significant and opportunities for influence expand*



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***Current EMS***

Risk management  
Improved compliance and  
performance  
Creating efficiencies and  
consistency

**ENVIROSYSTEM**

***Sustainable Future***

Clean, livable, safe and  
affordable communities  
Reduced ecological  
footprint  
Long-term economic  
stability

***EnviroSystem - Bridging the Gap  
towards Sustainability***