

# *Green Fleet Maintenance*

## *ISO 14001 and Green Shop Practices*

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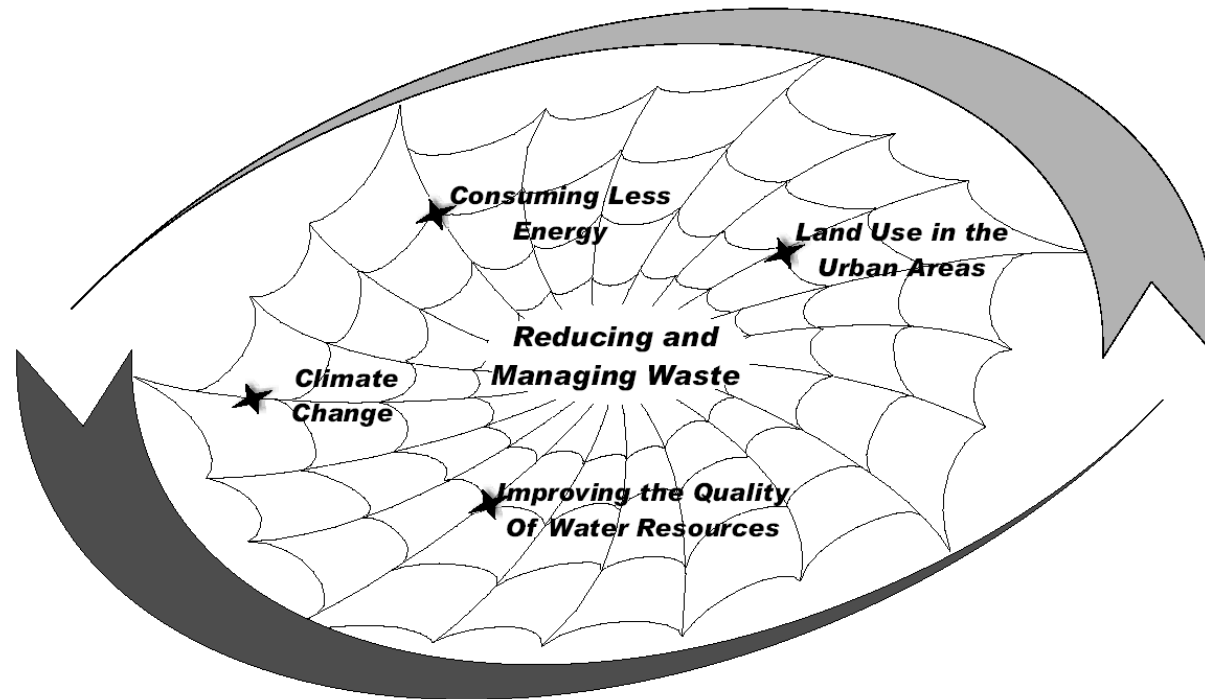


## *Environmental Management System*

- Part 1: ISO 14001 Overview
- Part 2: Environmental Issues
  - Environmental Policy
  - Aspects and Impacts
  - Environmental laws and regs
  - Objectives and targets for Central garage



# Environmental Management System





## *Environmental Management System*

- An overall management plan
- Addresses the impact of products and processes on the environment

Provides order and consistency

- By providing resources
- By assigning responsibilities
- By ongoing evaluation of practices and procedures



## *Environmental Policy*

There are two policies:

- City of Hamilton
- Central Fleet

Both policies confirm that we have a:

- Commitment to prevent pollution
- Commitment to comply with environmental regulations
- Commitment to internal improvement



## *Understanding Environmental Issues*

To manage environmental issues we must identify the source of Central garage's impact on the environment.

ISO 14001 terms:

- Aspects (cause)
- Impacts (effect)
- Significant aspects (ensure important issues are understood and managed)



## *Your Turn*

- What aspects of work done in the Fleet Garage might affect the environment? (causes)
- What impacts (effects) would they have?
- What would the worst thing be?



## *Laws and Regulations*

Your turn:

What laws and regulations concerning the environment do we need to know about?



## *Plan: Environmental Policy*

- Commitments to preventing pollution, legislative compliance and continual improvement.
- Includes establishing objectives and targets (can't do this without listing the aspects and impacts first).



## *Plan: Environmental Policy*

- Commitments to preventing pollution, legislative compliance and continual improvement.
- Includes establishing objectives and targets, e.g.:
  - Control and reduce pollution discharged to sewer
  - Reduce energy consumption
  - Reduce waste sent to landfill
  - Control and reduce air pollution



## ***Do: Implementing the EMS***

- Define roles and responsibilities
- Identify and budget resources
- Identify training needs
- Develop communications plan
- Create a plan to control documents
- Establish process controls
- Have an emergency response plan.



## ***Check: Audit and Corrective Action***

- Determine what needs to be measured
- Keep monitoring equipment properly calibrated
- Procedure for preventive and corrective action
- Keep control of environmental records
- Establish and maintain internal EMS audits



## *Act: Management Reviews*

- Senior management reviews twice each year.
- Makes changes to the EMS
- Directs actions to effect changes
- Records decisions in the minutes.



## *Continual Improvement*

An organization like Central Garage is a group of people working together in a changing world. Problems and opportunities are inevitable! This is a chance to make continual improvement.

- Problem – fix it.
- Identify the root cause
- Take preventive action – figure out how to avoid it from happening again.



## *Audit Questions – Examples for Employees*

- Are you aware of the Environmental Policy?
- What environmental aspects of your job affect the environment?
- Who is your EMS representative?
- Where do you find work instructions?
- Where do you find emergency procedures?



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