### **Towards a Healthier Planet:**

**Standards and Sustainable Development** 

#### Pat Keindel

President, Standards
Canadian Standards Association

### **Transformation of Standards**

- 1st CSA standard in 1919:
  - Steel Railway Bridges
- Recent CSA standard in 2004:
  - Blood & Blood Components

## **Sustainable Development** & Quality of Life

- Environmental resources
- Economic resources
- Human resources

## **Growing Interest in Sustainability**

- Early 1970's Oil Crisis interest in Renewable Energy
- Environmental crises Bhopal, Chernobyl, Love Canal
- Kyoto Protocol & Climate Change initiatives

# **Sustainable Development: An Operating Principle**



**Consumers** 





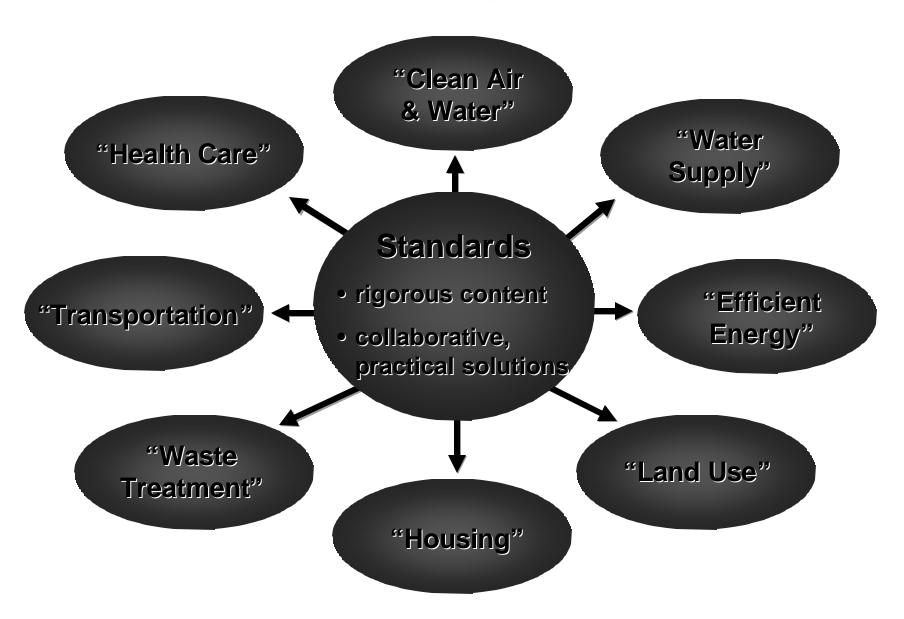
Government



**Industries** 



# **Sustainable Development: Goals and Strategies**

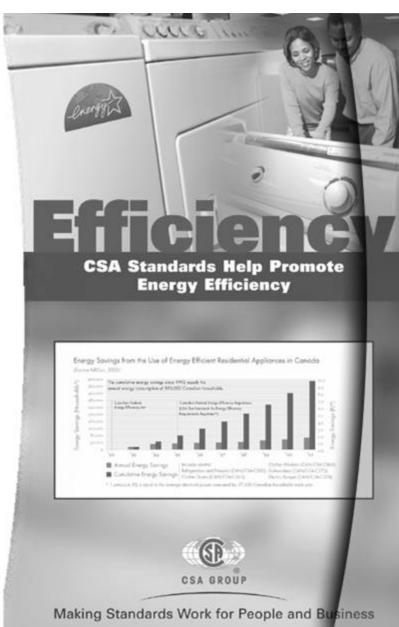


# Sustainable Development: Efficient Energy

- Energy Efficiency standards:
  - Economic use of natural resources
  - Reduction in greenhouse gas emissions







# Sustainable Development: Renewable Energy

- Renewable Energy standards:
  - Wind turbines, solar photovoltaics, earth energy systems
  - Fuel Cells

## **Sustainable Development: Water & Land Use**

- Preservation & responsible use of Natural Resources:
  - CSA Drinking Water Quality Management System standard
  - CSA Sustainable Forest Management standard

## **Sharing Best Practices**

- Canada's Standards Community:
  - Direct international linkage
  - Proven standards development system

### **ISO Work**

- ISO focus on environmental issue
  - ISO Working Group on Climate Change
  - New standards for GHG's





## **Standards: Advancing Innovation**

- Technical rule making
- Consistency & uniformity
- Knowledge diffusion
- Continuous improvement

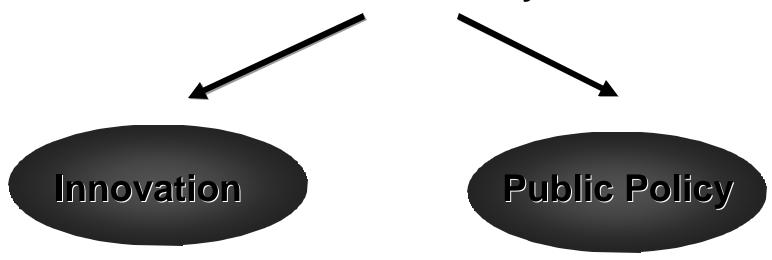
## **Standards: Shaping Public Policy**

- Inclusive, collaborative processes
- Consensus-driven
- Alternative to regulations

# Advancing Innovation & Shaping Public Policy



### **National Standards System**



## **Sustainable Development**

Innovation

Collaboration

Commitment



### **Towards a Healthier Planet**

Thank you