



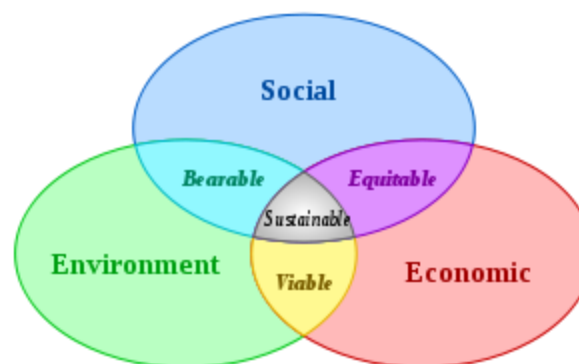
# **Product Stewardship: U.S. Perspective**

*Aileen M. Hooks*

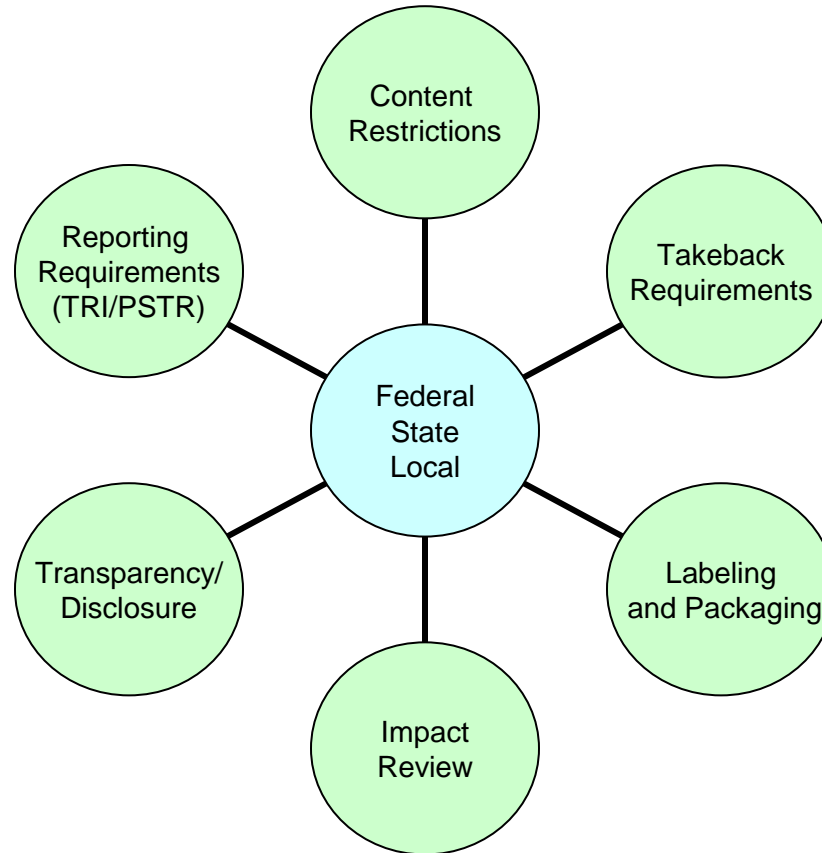
*May 31, 2012*

# Product Stewardship - Sustainability Principle

- **Sustainable development principles**
  - Sustainable development is development that “meets the needs of the present without compromising the ability of future generations to meet their own needs” – *Brundtland Commission Report (1987)*
  - Encourages efforts to balance three key types of developmental needs and considerations
    - Environmental
    - Social
    - Economic



# Regulatory Approaches



# Recent Regulatory Approaches

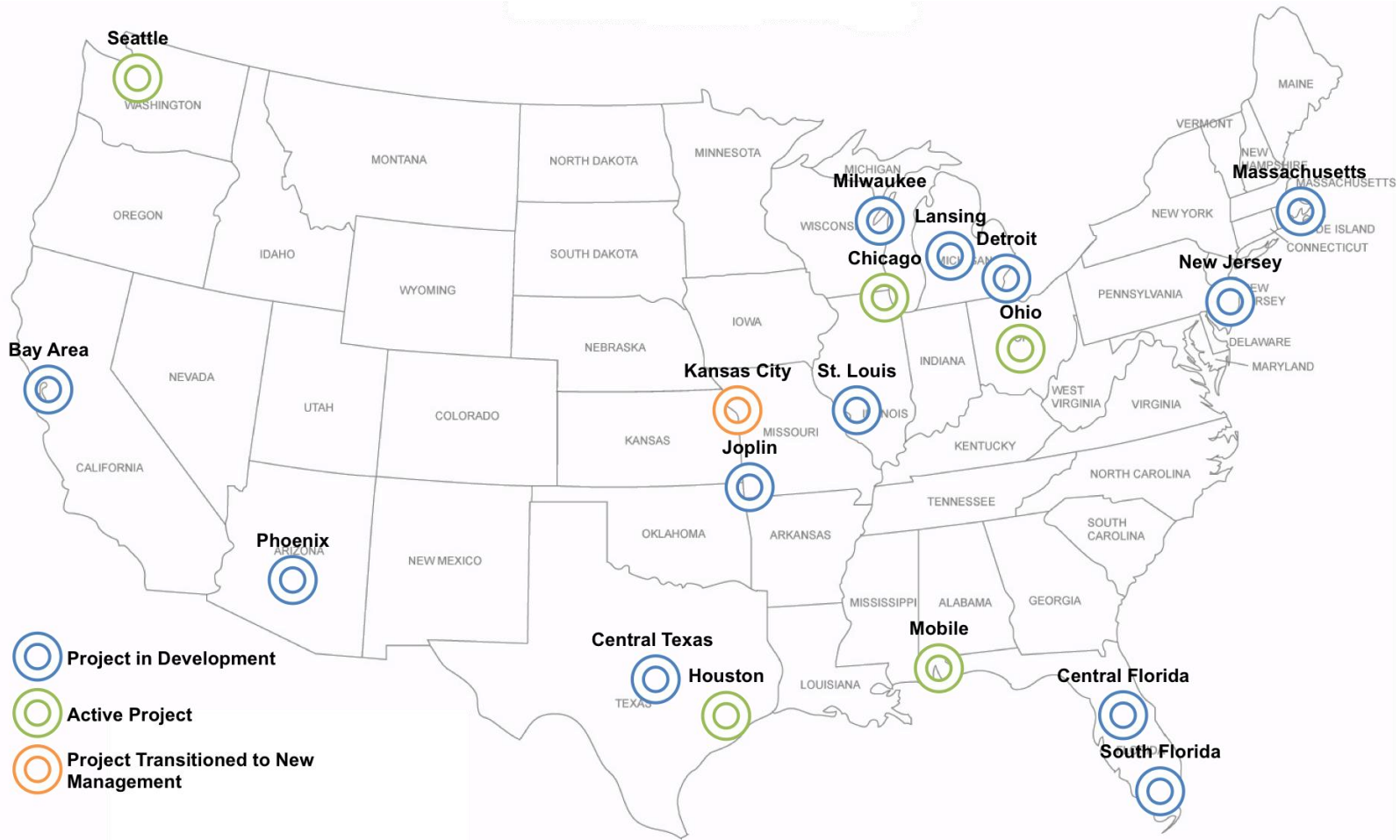
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- **Renewable Fuel Standards**
  - incorporation of life cycle analysis of carbon emissions
- **Hydraulic Fracturing Disclosure Statutes**
  - Voluntary disclosure tool (Frac Focus) being used as regulatory mandate
- **Discussion of Possible Reform of Toxic Substances Control Act (TSCA)**

# Beyond Regulations

- **Responsible Care Program initiative embraced by the American Chemistry Council, began in Canada in 1984**
- **Cradle to cradle planning instead of cradle to grave**
- **United States Business Council for Sustainable Development: By-product Synergy Initiative**
  - From Kansas City, Kansas to Bohai, China
  - One company's waste is another company's feedstock
  - Environmental and economic benefits

# USBCSD By-Product Synergy Program



# Move toward Global Compliance

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- **Recognition of global markets**
- **Desirability of harmonized standards**
- **Transparency initiatives**
- **Sharing of best practices by companies and by NGOs**
- **International trade barriers remain**
- **Balancing trade secret concerns**

