

Sustainability or Survival

Introduction

- Why are We Here?
- The News of Global Issues
- Professional Development
- Change Agents

Session Outline

- Introduction
- Setting the Scene
- The Local Impact
- What's Got to Change?
- The Good News
- Questions

Questions

Setting the Scene

- The North American Way
- Climate Change
- The Economy
- Peak Oil

Putting it Together

- The North American Way
- Climate Change
- The Economy
- Peak Oil

Local Resilience

- Food Security
- Energy
- Water Protection and Conservation
- Governance
- Housing
- Education
- Economic
- Transportation

The North American Way
(An Appetite for Consumption)

Consumerism

- Outsourcing
- The 1000 Mile Diet
- Consuming Power
- Big Box Stores
- Travel Patterns

The Suburbs

- The 50 Mile Commute
- The 5000 Sq Ft House
- Bloated Infrastructure

Climate Change

- Is it Real?

The Direct Impacts

- Wetter Winters
- Hottel Summers
- Wild Weather
- Rising Sea Levels

Nature Bites Back

- Forest Fires
- Pine Beetle Deforestation
- New Diseases
- The Return of Old Diseases

Challenges

The Economy

- Where is it heading?

Evaporating

What's Changing?

- Stocks and Currency
- Consumer Goods
- Employment
- Housing
- Global Trading
- Government Spending

Peak Oil

What is Peak Oil?

The Challenge

- Ubiquity of Fossil Fuels

The End of the Industrial Age

Lessons of History

- 18th Century England
- Maya

The Long Descent

Transition Models

- Adaptation
- Evolution
- Collapse

Three Responses

- Armageddon
- Utopia

Adaptation Requires Miracles

- Technological
- Socio-Political
- Fiscal

Typical Responses

- Apathy
- Paralyzed With Fear
- Disbelief

What's Got to Change?

- Suburbia
- Housing Models
- Water Use
- Food Production
- Transportation
- Energy Use
- Society and Governance
- Land Conservation

Solutions

- Plan A
- Plan B
- Plan C

Enemies of Action

Food Security

- CSAs
- Community Gardens
- Urban Animals
- Markets
- Local Food Directory
- Grow Your Own
- Farms
- Farm Governance

Energy

- Heat Recovery
- Efficient Hydro

Housing

- Grandview Heights
- Increased Density
- Efficient Housing

Education

- Skilling up for Power Down

Water Protection and Conservation

- Conservation Pricing
- Investing in Security of Supply

Governance

- Increasing Participation
- Sustainability Based Bylaws
- Leadership in Sustainability

Economic

- Local Credit Unions
- Entrepreneurs
- Local Markets
- Local Skill Base
- Specialized Export Products

Transportation

- Car Share
- Public Transit
- Co-ops
- Car-pooling
- Cycling
- Walkability
- Ferries
- Cargo Vessels
- Railways

Brainstorm - Alternative Energy

Alternative Fuels

- Biofuels
- Wind
- Solar
- Geothermal
- Hydro
- Natural Gas
- Nuclear
- Hydrogen
- Coal

Issues with Fuel Sources

- ERODE
- Carbon Footprint