



Sharing the Risk to Build the Future

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And the Indicators Say...!





Back to our Senses

George Washington Carver

1864-1943





We've Come Full Circle

Henry Ford

1863 - 1947

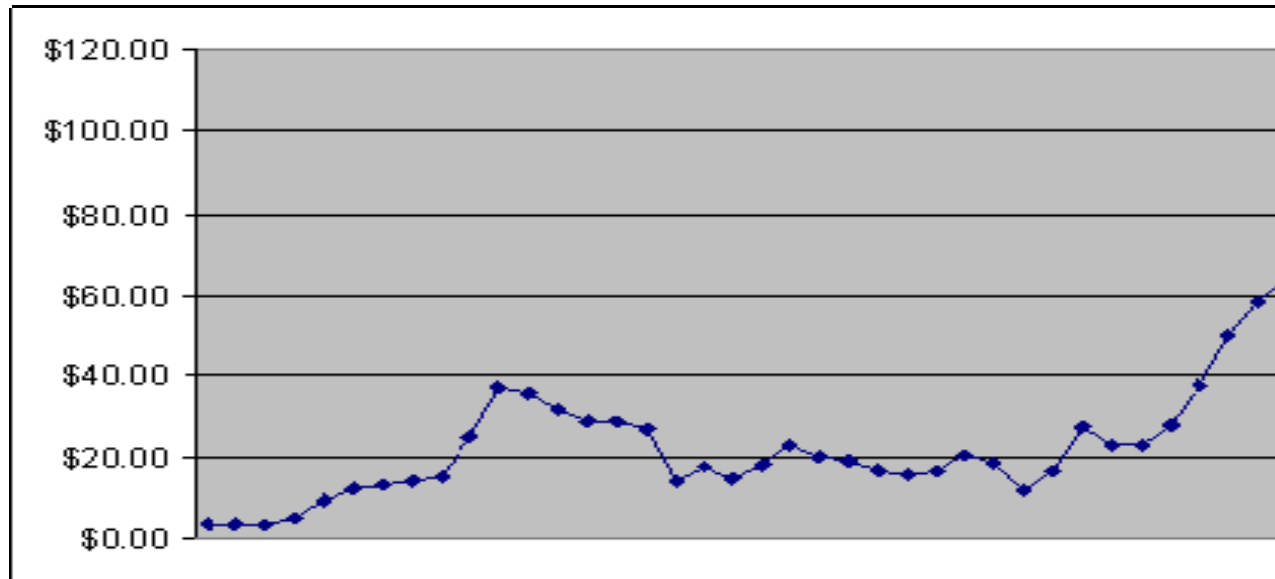




Rising Crude Oil Prices

1970 @\$12 per barrel

July 2008 @\$145 per barrel





Sarah Palin - Oct 2008
"Drill Baby Drill"



Len Bykowski -Oct 2008
"Till Baby Till"





The Prize is Huge!



- Incremental revenue
- New jobs
- Re-vitalization of commodity industries
- Integrated eco industrial Parks
- Economic diversification

- Zero waste enterprises
- Zero waste communities
- Cleaner air from bio-fuels
- Climate change adaptability
- Creating value from waste

- Rural development
- Regional business planning
- Creation of new skill sets and education
- Alternative employment

- Conversion technology development and sales
- Environmental solutions
- Specialty products
- Value-added economies
- World leader



Create a Competitive Edge

1. Think regionally
2. Craft a regional strategy
3. Build sustained regional leadership
4. Connect the regions with the right innovation and technology
5. Grow entrepreneurs



Challenges Need to Be Shared

- Focus on best principles
- Create a robust implementation plan



Governments Must Work Together

- Federal
- Provincial
- Municipal



= Success!



Federal Government

- Initiate and develop product standards
- Set mandates
- Find best minds
- Safety of Canadians
- Provide R & D support



Provincial Government

- Implement standards and mandates
- Create positive investment climate
- Work with other levels of government
- Co-ordinate and provide R & D support



Municipal Government

- Be a receptor community
- Be an IMBY (in my backyard)
- Key support link in the value chain
- Project advocates



BioEconomy is a Risky Investment

- New technologies are still unproven
- New products and markets
- New companies or entities



Government Incentive Programs

- Application process can be cumbersome
- Funding skewed to pure research
- A challenge for some start-ups to match grant funds



Key Role of Government

- Encourage commercialization
- Provide tax incentives
- Public and market awareness
- Create an enabling environment
- Share in the risk

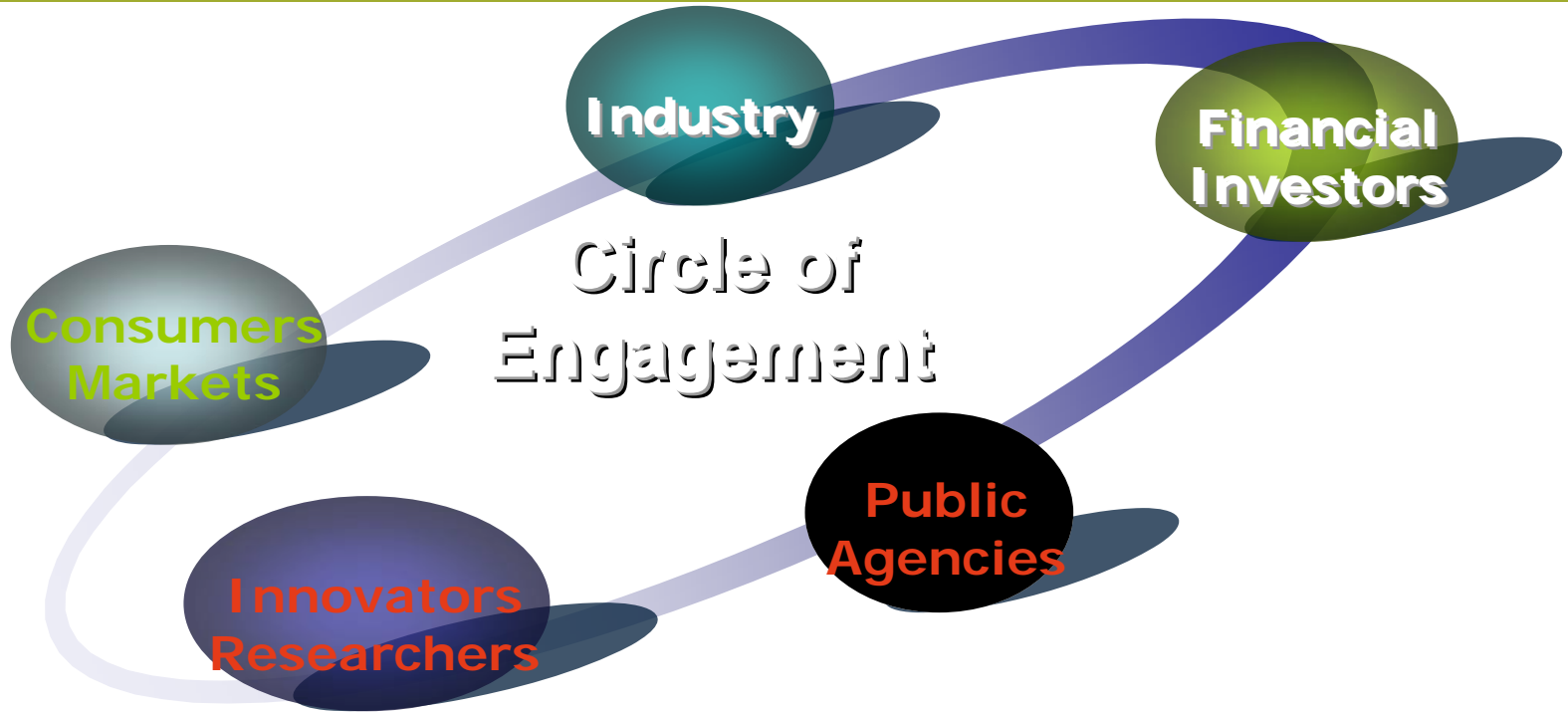


Industry Barriers

- Inadequate capital
- Feedstock supply
- Mandates and standards
- Public and market awareness
- Need government to share in the risk



Partnerships are needed





Thank You

"It's all about sharing in the risk to build the future!"

Len Bykowski

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