

Sustainable Communities
Conference and Trade Show



Conférence et salon professionnel
sur les collectivités durables

City of Surrey

Integrated Community Energy Solutions
and Economic Development

Shaun Greffard

GM Investment &
Intergovernmental Relations

February 8, 2011



FEDERATION
OF CANADIAN
MUNICIPALITIES

FÉDÉRATION
CANADIENNE DES
MUNICIPALITÉS

#SCC2011





“Far and away the best prize that life has to offer is the chance to work hard at work worth doing.”

-Theodore Roosevelt





Agility and Innovation

- Cities can attract investment by adapting quickly to local business needs compared to other levels of government
- Through innovation, Surrey can change systems used by nearly 500,000 people to yield positive outcomes

Cities will capitalize on growing economic opportunity and drive GHG reductions.



FEDERATION
OF CANADIAN
MUNICIPALITIES

FÉDÉRATION
CANADIENNE DES
MUNICIPALITÉS

#SCC2011





Follow the Money

“2008 was the first year that new power generation investment in renewables was greater than investment in fossil fuel technologies.”

*UNEP, SEFI and New Energy Finance (2009). *Global Trends in Sustainable Energy Investment 2009: Analysis of Trends and Issues in the Financing of Renewable Energy and Energy Efficiency*

Investors recognize opportunity in the emerging clean energy sector.



Growing Market Opportunity

- Investment in the clean energy industry is predicted to grow 300% by 2020¹
- By 2013 Asian countries are forecast to outspend US on clean energy technology and infrastructure by a factor of 3:1²

¹ The Brookings Institution (2010). *Strengthening Clean Energy Competitiveness: Opportunities for America Competes Reauthorization*.

² Renewable Energy Focus (2010). *Economic Development in the Clean Energy Age: South Carolina*.

Surrey is well-positioned to take advantage of growth in US and Asia.



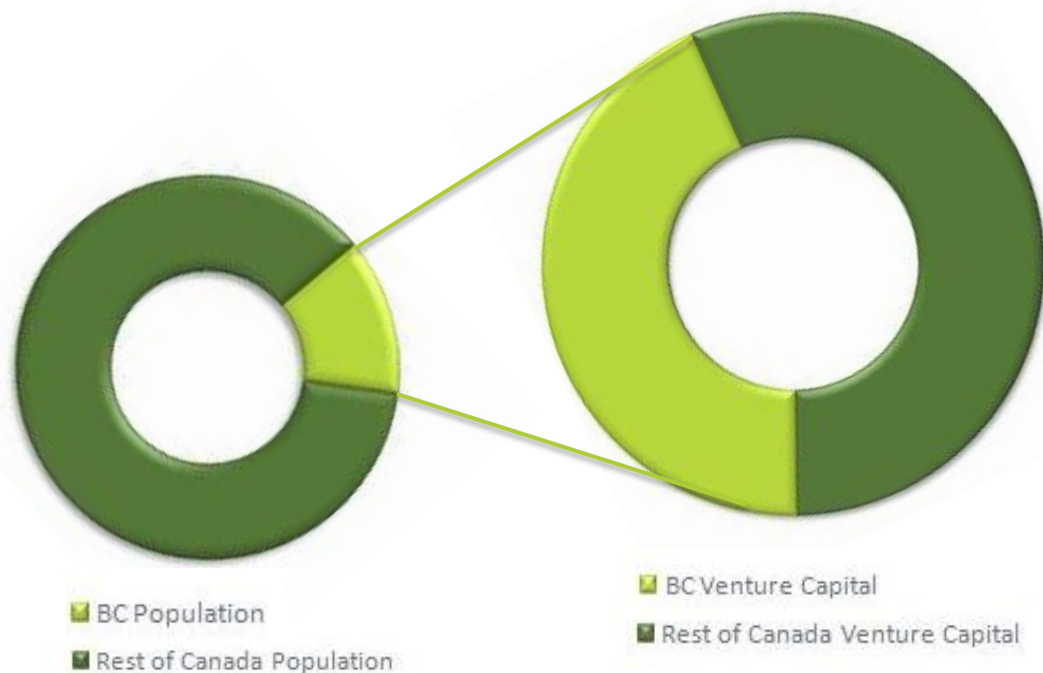
FEDERATION
OF CANADIAN
MUNICIPALITIES

FÉDÉRATION
CANADIENNE DES
MUNICIPALITÉS

#SCC2011



BC Cleantech Investment

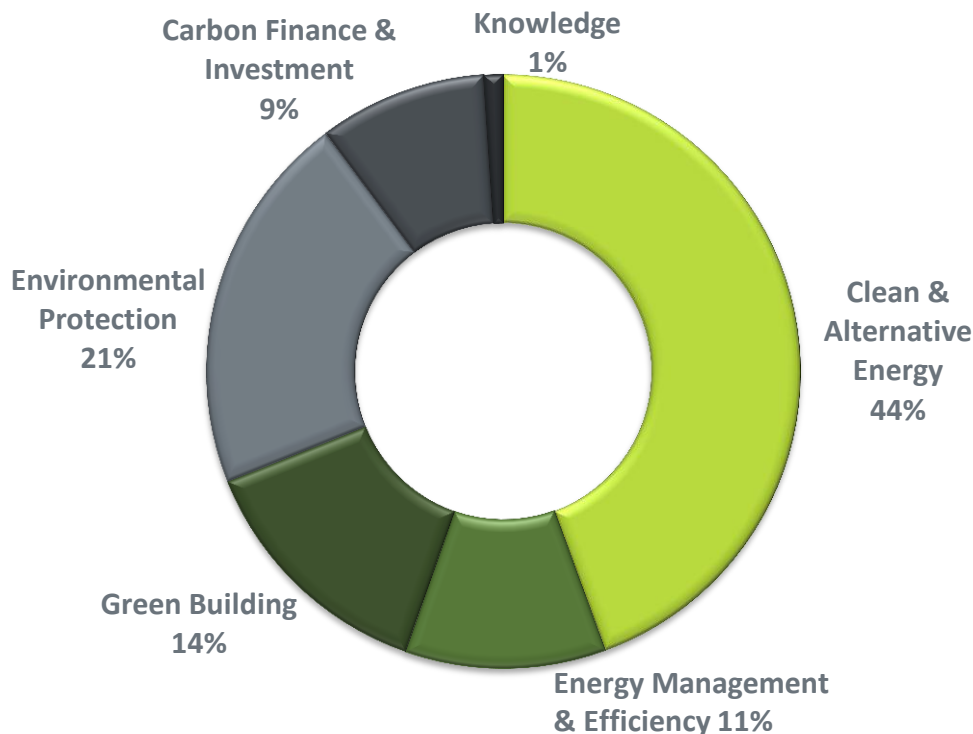


- BC cleantech investment were up 35% in 2009 to \$45 million – 44% of total Canadian VC invested in Cleantech
- Chrysalix: \$123 million Energy Tech Fund
- Yaletown Venture Partners: \$162 million fund focusing on cleantech and IT

*Pacific Institute for Climate Solutions (2010). *Cleantech Access to Venture Capital in BC: Analysis and Recommendations*.

With only 13% of Canada's population, BC captured 44% of cleantech VC.

BC Cleantech Economic Impact



- BC's green economy: \$11.1 billion in direct GDP
- BC's clean energy sectors: \$6.1 billion in direct GDP

*Globe Foundation (2010). *BC's Green Economy: Building a Low Carbon Future*

Clean energy accounts for more than half of direct green GDP in BC.



Strong Foundation for Growth

- Growing number of high-quality assets
- Mayor's Clean Energy Advisory Network
- Industry incentives
- Strategic partnerships
- Clean Energy Action Plan

The City of Surrey is leveraging core assets to accelerate
growth of the clean energy sector.



FEDERATION
OF CANADIAN
MUNICIPALITIES

FÉDÉRATION
CANADIENNE DES
MUNICIPALITÉS

#SCC2011





Clean Energy Demonstration Projects

- District energy
- Bio-fuel production facility
- Fleet vehicles
- Micro-hydro
- Adaptive street lighting and LED lights

The City of Surrey is creating demand for clean energy technology
through its 24 existing demonstration projects.



FEDERATION
OF CANADIAN
MUNICIPALITIES

FÉDÉRATION
CANADIENNE DES
MUNICIPALITÉS

#SCC2011





Market Access

- Business to business meetings in Mumbai, New Delhi, Bangalore and Chandigarh
- 25 companies from 5 sectors
- Strong clean energy focus:
 - Ballard
 - Nexterra
 - Westport
 - Endurance Wind Power
 - Powertech Labs

The City of Surrey is helping local companies access Asian markets.



FEDERATION
OF CANADIAN
MUNICIPALITIES

FÉDÉRATION
CANADIENNE DES
MUNICIPALITÉS

#SCC2011





Payoff

Healthy Economy

- Increased local jobs for Surrey residents
- Resilient economy through diversification
- Value generation from the City's waste streams

Healthy Environment

- Reduced GHG emissions by the City and by residents
- Leading municipality in the low-carbon environment

Healthy Community

- Expanded and sustainable property tax base for the delivery of high quality services
- Increased civic pride
- Enhanced image for the City of Surrey

Successful execution of the Clean Energy Action Plan will ensure a healthy and vibrant community in which to live and work – now and in the future.



FEDERATION
OF CANADIAN
MUNICIPALITIES

FÉDÉRATION
CANADIENNE DES
MUNICIPALITÉS

#SCC2011



Sustainable Communities
Conference and Trade Show



Conférence et salon professionnel
sur les collectivités durables



FEDERATION
OF CANADIAN
MUNICIPALITIES

FÉDÉRATION
CANADIENNE DES
MUNICIPALITÉS

#SCC2011

