



nexterra

a new era of energy security



Vancouver - A Global Top Five Cleantech City

Jonathan Rhone, President & CEO

**Presentation to Quarterly City Hall -
Business Leaders Meetings**

June 9, 2009

Nexterra Energy Corp.

- Supplier of biomass gasification solutions that generate heat & power
- Inside-the-fence applications at public institutions & industrial facilities
- Enables customers to reduce energy costs & GHG emissions
- Technology is cleaner, lower cost, more versatile & efficient vs. combustion
- Vancouver-based; 50 employees

Strategic Alliances



GE Energy – Power systems



JCI – Channel partner



HWI – Channel partner



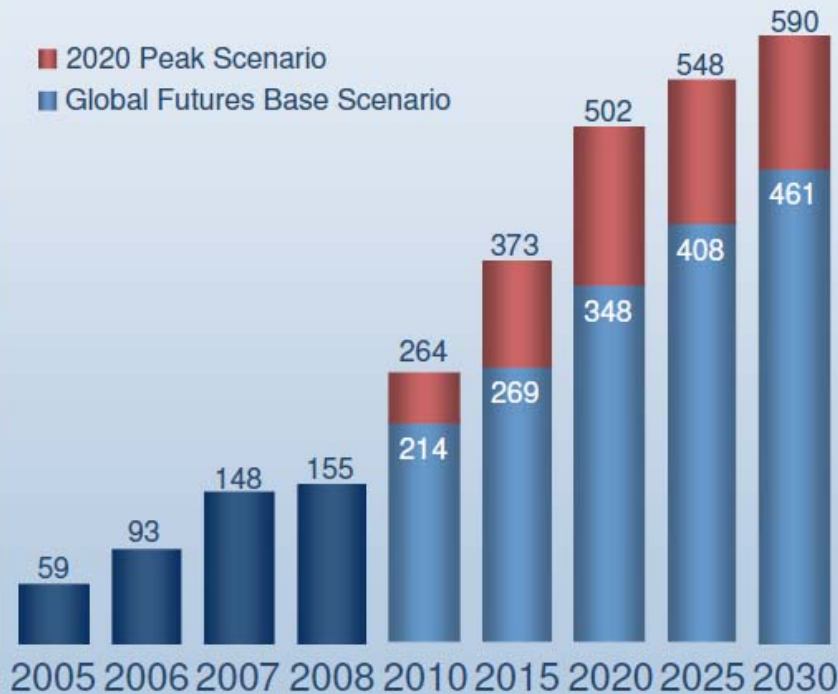
Vancouver Cleantech Opportunity

Overview

1. Global clean energy market is massive & growing – forecast at \$350 Billion by 2020.
2. BC's clean energy tech sector is recognized globally; has potential to be \$5 – 6 Billion annually by 2020.
3. Vancouver has the potential to be a top five global cleantech city – a cluster of cleantech innovation, jobs and investment.
4. Vancouver is losing momentum as a cleantech leader

Global Futures capital requirement to 2030: Base and 2020 Peak Scenario

Clean energy capital requirement per year: \$bn



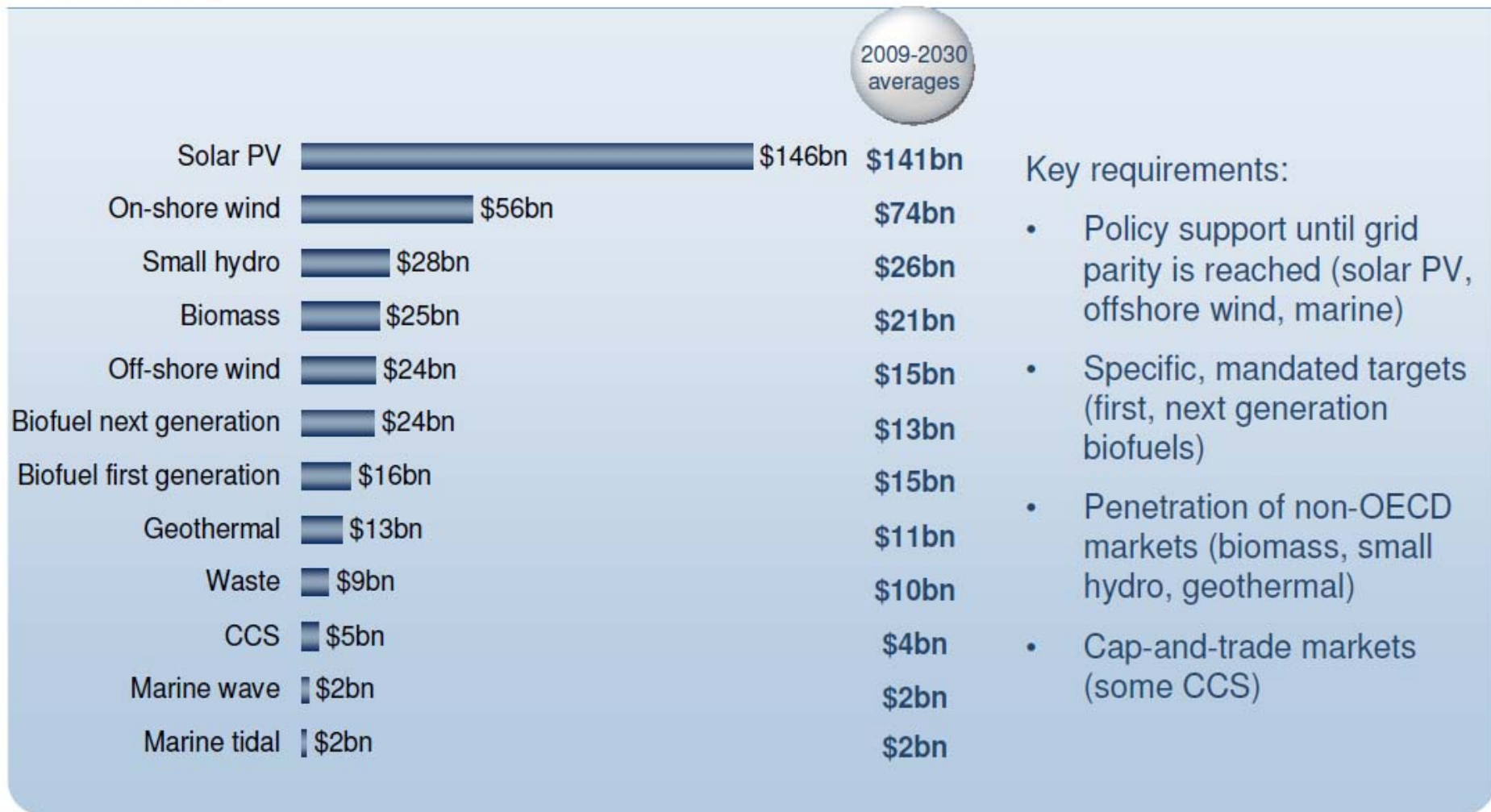
Average clean energy capital requirement share of GDP 2006-2030



Notes: excludes large hydro; WEO 2008 Reference Scenario share was computed adopting WEO 2008 assumed World GDP growth rates. * Stern Review figures include forestry, agriculture and other sectors in addition to those relating to energy.

Source: New Energy Finance Global Futures 2009, New Energy Finance Desktop, IEA's World Energy Outlook 2008, The Stern Review

Investment by sector, \$bn in 2020: Global Futures Base Scenario



Key requirements:

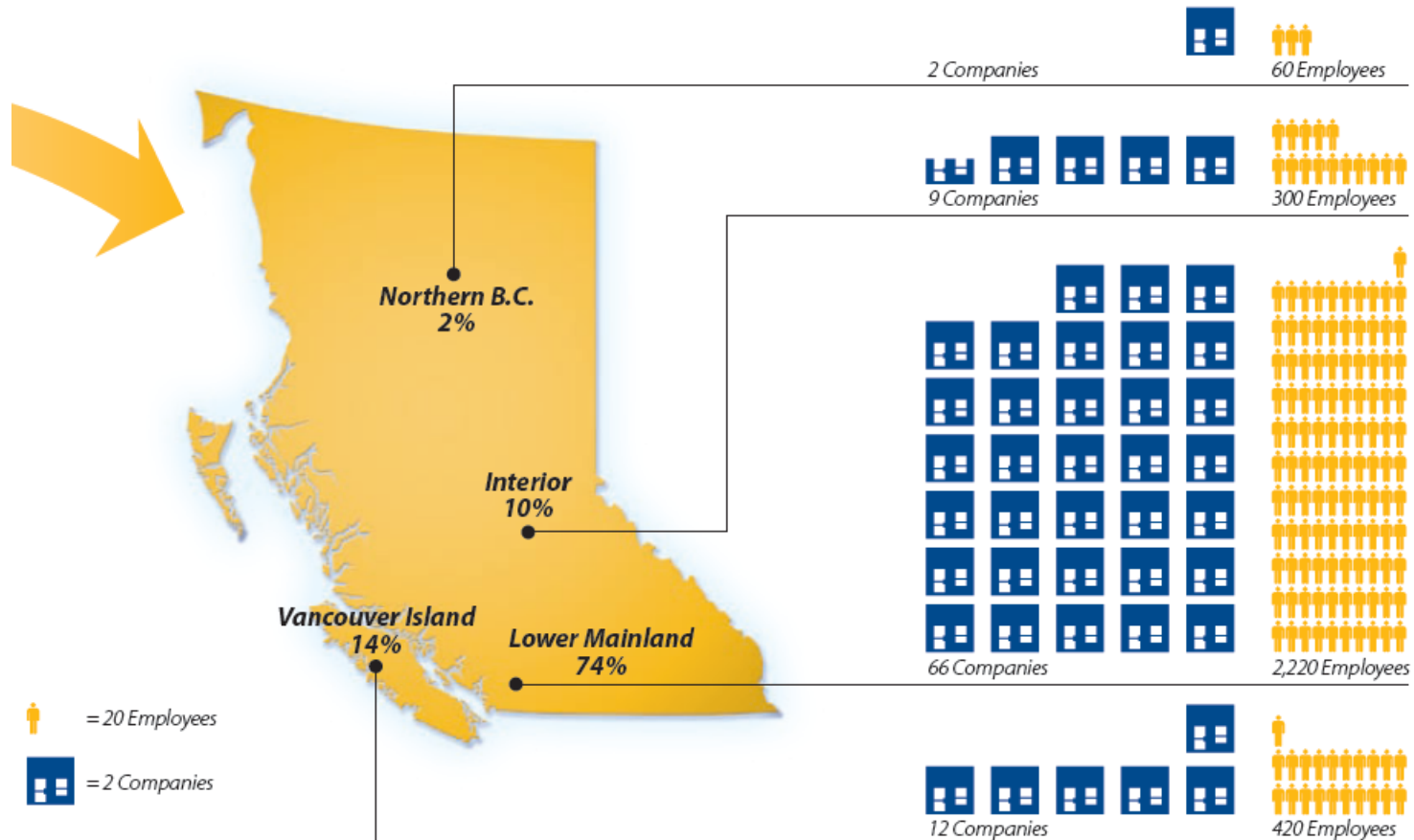
- Policy support until grid parity is reached (solar PV, offshore wind, marine)
- Specific, mandated targets (first, next generation biofuels)
- Penetration of non-OECD markets (biomass, small hydro, geothermal)
- Cap-and-trade markets (some CCS)

Source: New Energy Finance Global Futures 2009.

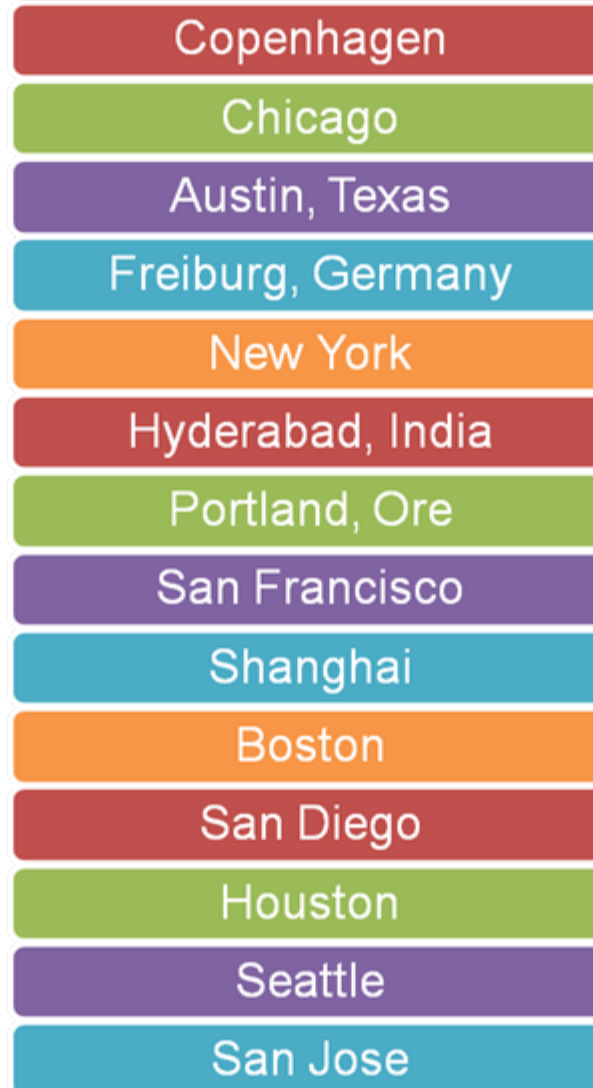
BC's Clean Energy Technology Sector

- High growth export sector
- 100 companies, employing 4,000 British Columbians
- \$1 Billion in direct revenue – fastest growing tech sector
- Ballard, Chrysalix, Day4 Energy, DPoint, Lignol, Nexterra, Power Measurement, Sempa, Westport and Xantrex
- Research – PICS (UBC, UVic, SFU, UNBC), CIRS (UBC), CERC (UBC), NRC Institute for Fuel Cell Innovation (NRC-IFCI), Powertech Labs

BC Clean Energy Technology Sector



The Competition – Top Cleantech Cities



Vancouver Leadership in Cleantech

- Promote cleantech leadership
- Actively recruit cleantech companies
- Make Vancouver leading test center for new technologies
- Partner with UBC/BCH/NRC/industry to on demonstrations
- Leadership in green building design, neighbourhood utilities, energy retrofits, fleet conversions, EV transition, waste management



nexterra

a new era of energy security



Thank-you!