

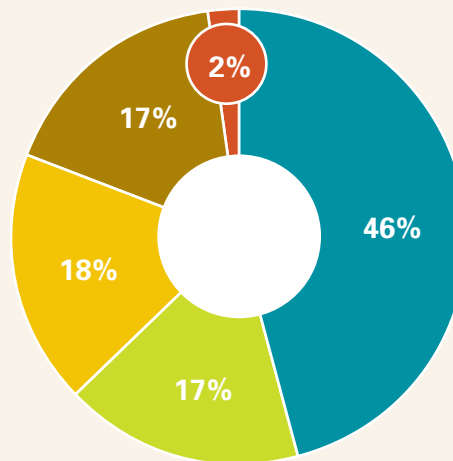
# BRITISH COLUMBIA

## Key Statistics:

Clean Economy GDP (2010)	<b>\$7.4 billion</b>
Clean Economy Jobs (Direct Production)	<b>62,593</b> (GLOBE, 2012)
Investment in Clean Technology (2009-2011)	<b>CAD \$843 million</b> (KPMG, 2011)
VC Disbursement per Capita (2010)	<b>\$47</b>

## Top 9 Clean Economy Job Segments:

Segment	# of Jobs
Sustainable Forestry Products	10,805
Public Mass Transit & Rail	9,587
Green Architecture & Construction Services	5,468
Hydropower	5,127
Conservation	5,114
Recycling & Reuse	3,731
Professional Environmental Services	3,705
Green Building Materials	3,242
Waste Management and Treatment	2,821



**Figure:** Direct production jobs in BC's Clean economy sector in 2010.

## Strengths & Attributes:

- A well-established and widely dispersed low carbon electricity supply system
- An abundance of underutilized clean energy resources (bioenergy, geothermal, ocean, wind, solar)
- A large natural resource base, including large reserves of natural gas
- 94% of the land in BC is Provincial Crown Land
- The first North American region to put a "price on carbon" through a comprehensive carbon tax, helping to drive innovation and increased efficiency across all sectors of the economy
- Strong and growing clusters of green technology and advanced energy companies with one of the highest ratios of clean technology companies to GDP in Canada
- A widely distributed network of advanced education and skill training institutions
- Innovative clean economy-focused research institutions and facilities such as UBC's Center for Interactive Research on Sustainability (CIRS) and Okanagan College's Green Building Technology Center of Excellence
- A wide array of socially-conscious environmental networks, organizations, and think-tanks

## British Columbia - Summary of Key Policy, Program & Investment Initiatives:

Sector	Description
Clean Energy Supply	<p><b>BC Energy Plan</b> was bolstered by the <i>Clean Energy Act</i> in 2010 which requires that at least 90% of electricity comes from clean or renewable sources and that all new generation projects will have zero net GHG emissions.</p> <p><b>Bioenergy Strategy</b> establishes funding for a provincial Bioenergy Network, along with biofuel research and production facilities.</p> <p><b>Smart Grid Investment</b> of \$930million includes the installation of 1.8 million smart meters by December 2012.</p> <p><b>Power Smart Sustainable Communities</b> provides partial funding towards district energy pre-feasibility and feasibility studies, as well as capital incentives which aid implementation.</p>
Energy Efficiency & Green Building	<p><b>LiveSmart BC</b> offers \$30 million in support of retrofits for residents and small businesses over 2011-2013.</p> <p><b>BC Hydro Power Smart</b> provides incentives and assistance to reduce energy consumption for residential, commercial, industrial and community level consumers.</p> <p><b>Public Sector Building Standard</b> requires that all new government facilities must be built to LEED gold or equivalent standards for efficiency.</p> <p><b>Public Sector Energy Conservation Agreement (PSECA)</b> provides investments for energy efficiency retrofit projects in schools, colleges, hospitals and social housing.</p>
Clean Transportation	<p><b>Point of Sale Rebates</b> of up to \$5000 for new battery electric, fuel cell electric, plug-in hybrid electric and compressed natural gas vehicles. <b>Home rebate</b> of up to \$500 for residential EV charging stations.</p> <p><b>Renewable &amp; Low Carbon Fuel Requirements</b> for 5% renewable content in gasoline starting 2010, diesel 5% by 2012 and overall 10% reduction in carbon intensity by 2020.</p> <p><b>Public Transportation</b> expansion including Evergreen Line construction beginning in 2012.</p>
Environmental Protection & Resource Management	<p><b>Brownfields Renewal Program</b> offers \$10million in funding over 5 years ending in 2013.</p> <p><b>Carbon Tax</b> was phased in at \$10/tonne CO<sub>2</sub>e in 2008 and now stands at \$30/tonne CO<sub>2</sub>e emissions for 2012.</p> <p><b>Greenhouse Gas Reduction Targets Act</b> has been the driver behind the <i>Carbon Neutral Public Sector</i> initiative which has seen all government organizations report their GHG emissions annually since 2008, and achieve carbon neutrality since 2010.</p> <p><b>Zero Net Deforestation Act</b> aims to achieve a balance between deforestation and forestation rates in the province by 2015.</p>
Knowledge & Support	<p><b>BC Knowledge Development Fund</b> supports priority areas including alternative energy/power technologies, forestry, environmental technologies and aquaculture (approx. \$40-50 million/yr).</p> <p><b>BC Training Tax Credit</b> provides \$31million in tax credits for employers and apprentices who are engaged in eligible training programs through to 2014.</p>