

With the right
POLICY
CHOICES,







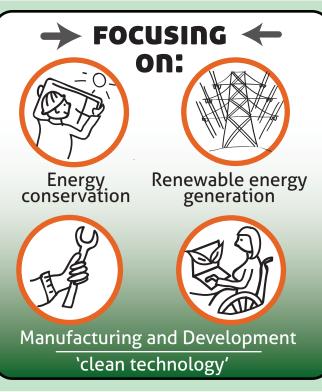


BC can build on this legacy to become a **GREEN ECONOMY LEADER**









Energy Conservation and Efficiency









Economic activity associated with **energy efficiency** and



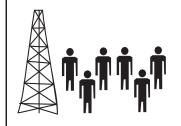
creates significantly

MORE JOBS PER \$1 million in increased output



than activity in the

FOSSIL FUEL SECTOR.



From the perspective of job creation, investments targeting growth in energy efficiency and clean technology are likely to be more costeffective than ones focused on stimulating the fossil fuel sector.¹

Moving to a low GHG

FREIGHT and **Passenger**

IRansportation GREE

transportation model...



can create 10,000s of



by reducing problems associated with traffic congestion and long commutes.





Fortunately, **Transportation** that is **GOOD** for the **environment** s) is **goop** for the **economy.**

Transportation is the single largest source of GHG emissions in BC.



almost DOUBLED

Heavy DUTY DIESEL



THan 2)

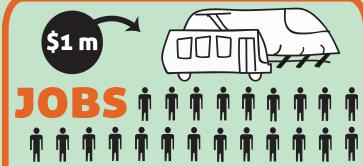
LIGHT DUTY TRUCKS (pickups and SUVs)



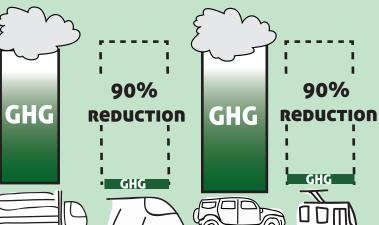


almost as much carbon as gasoline trucks in 2010

LIGHT DUTY Gasoline (cars and motorcycles)



Investments in mass transit and railways in North America create between 9 and 22 jobs per \$1 million.²



Moving freight by rail reduces GHG emissions by almost 90% compared to moving the same goods with conventional fossil fuel powered trucks.

Public transit use can reduce GHG emissions by 90% or more per person compared to automobiles travelling the same distance.1



bus and train drivers



warehouse & shipping work



vehicle manufacturing & maintenance



Investments in needed public transit

trades &

construction

and railway upgrades in BC could create 230,000 to 270,000 person-years of employment



Traffic congestion costs Vancouver's economy between \$400 - \$628 million annually.

An example: Policies to reduce commuting distances in Portland Oregon = \$2.6 billion in savings per year.

- 1. Canadian Urban Transit Association (2010), The Economic Impact of Transit Investment: A National Survey.
- 2. See Canadian Urban Transit Association(2010), The Economic Impact of Transit Investment: A National Survey and "Measuring Success: the Economic Impact of Transit Investment in Canada,"; Pollin, Heintz, and Garrett-Peltier (2009), The Economic Benefits of Investing in Clean Energy: How the economic stimulus program and new legislation will boost U.S. economic growth and employment. Center for American Progress.
- 3. Thompson and Duffy (2010), Jobs, Justice, Climate: Building a Green Economy for BC.
- 4. Joe Corteight/ CEOs for Cities (2007), "Portland's Green Dividend."







At the same time BC forests will be impacted **BY** climate change, **HOW** we manage our forests will also have an impact on climate change.





We need to start strategizing now to ensure

Healthy Forests



and a
SUCCESSFUL and
DIVERSE
BC forestry sector

for the coming **Decades.**



The National Roundtable on the Environment and the Economy estimates:



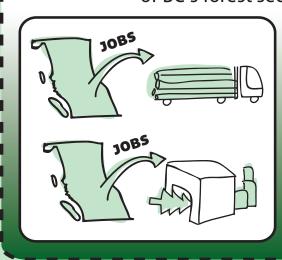


depending on the success of global climate change mitigation efforts.¹



The raw Log export focus

of BC's forest sector



has meant that the province has in effect been

exporting thousands of

in wood processing and manufacturing every year.





BC TOTAL TOT

Ontario's forestry sector creates more than five times as many jobs as BC per cubic metre and Quebec performs about four times better than BC for forest sector jobs intensity.

With targeted policies, more than

15,000 new Full Time

forestry jobs and thousands of

additional seasonal

POSITIONS could be created while boosting the health of BC's forests.²

2630 јовѕ



Solid wood, pulp & paper, bio-energy products

10,100 JOBS



Higher value forest product manufacturing

5200 Jobs

Green Job Creation: one estimate



Tree planting & tree nursery work

2400 JOBS



Processing usable wood waste





Reinstating 20% of BC Forest Service positions cut since 2001

(1,000 jobs if restored to pre-2001 levels).



^{1.} The National Round Table on the Environment and the Economy (2011), Paying the Price: The Economic Impacts of Climate Change for Canada.

^{2.} Parfitt/CCPA (2011), Making the Case for a Carbon Focus and Green Jobs in BC's Forest Industry

Ketrofits





What are building energy Retrofits



HUNDREDS OF THOUSANDS OF JOBS

Upgrades to make buildings more energy



GHG emissions











construction

weatherization installation & insulation

Potential to create

deconstruction & waste management materials

green building

Job Creation Estimates

If supportive policies are implemented:



448 % potential increase in employment

in the energy efficiency and green buildings sector.¹

Residential Retrofits

4100-6600 JOBS

14,000-30,000 People

for 2 years

directly employed





Basic upgrades

400,000 homes²

Intensive upgrades 100,000 homes/year³

Public Sector Building Retrofits



2500 new Jobs



Reduce emissions in line with provincial GHG targets for 2020

- 1. The Pacific Coast Collaborative (2012), The West Coast Clean Economy 5. NRCan/Office of Energy Efficiency,
- 2. Thompson and Duffy (2010), Jobs, Justice, Climate: Building a Green Economy for BC.
- 3. Horne, cited in Thompson and Duffy (2010)
- 4. Calculations based on BC Government PSECA program data (2011)

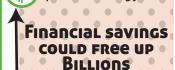
"Improving Energy Performance in Canada – Report to Parliament Under the Energy Efficiency Act For the Fiscal Year 2009-2010."

OTHER

environmental & economic

Benefits

previous energy bills



for other job-creating economic activity and investments.

reduced energy bills

residential, institutional & commercial

Electricity saved through

Energy Efficiency

would be freed up for other uses

