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Canada 

Renewable Energy Technology Development in Canada

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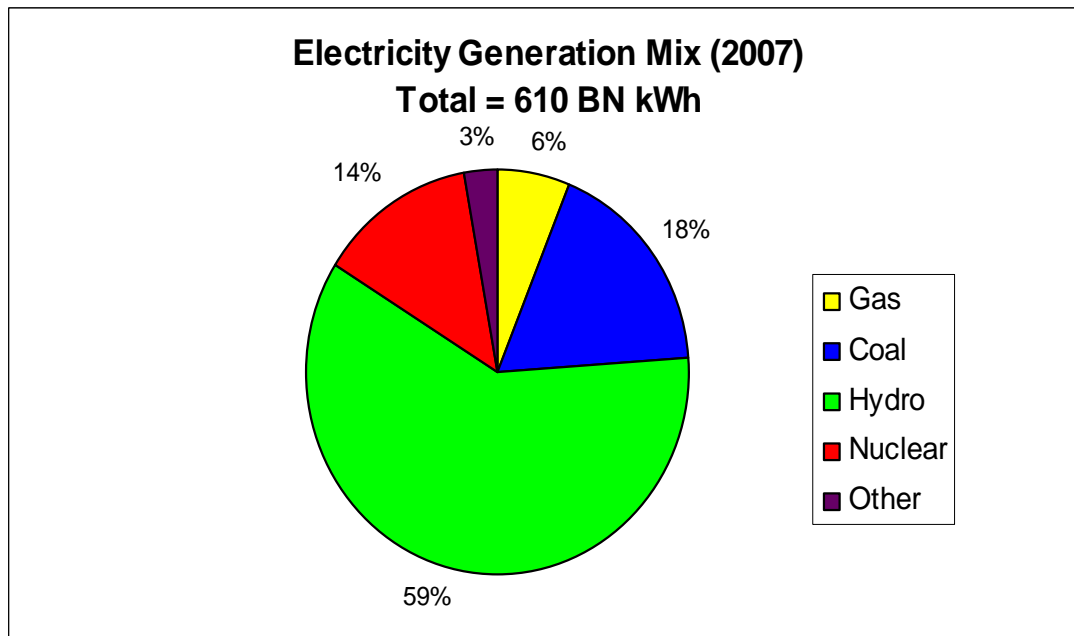
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Abundant Resources

- Renewable resources generate 16% of primary energy supply and 62% of electricity in Canada
- Abundant natural resources: water, biomass, wind, solar, ocean, geothermal



- Hydropower and biomass leading renewable sources
- Market for alternative energy solutions driven by policy

Sector Headlines

- Hydrogen & fuel cells: global leader with Germany, US and Japan (\$1bn invested in R&D 2003-08)
- Hydropower: world's 2nd largest producer, huge small hydro opportunities
- Ocean Energy: UK and Canada leading, Canada demonstration in Bay of Fundy and Canoe Pass
- Wind: Canada's fastest growing renewable sector, exciting projects proposed in Great Lakes
- Solar: Canada gets cold...but is sunny...126,000 panel, 90-acre park opened in Ontario, 2009

Sustainable Development Technology Canada

- A not-for-profit foundation that finances and supports the development and demonstration of clean tech
- Operates two funds aimed at the development and demonstration of innovative technological solutions:
 - The \$550 million SD Tech Fund™ supports projects that address climate change, air quality, clean water, and clean soil.
 - The \$500 million NextGen Biofuels Fund™ supports the establishment of first-of-kind large demonstration-scale facilities for the production of next-generation renewable fuels.
- One of SDTC's chief aims is to de-risk clean technologies to attract downstream private-sector investment

SR&ED in Canada

- Full tax deduction of current SR&ED expenditures
- Tax credit for SR&ED carried out in Canada
- 20% tax credit for foreign controlled corporations
- Wages, equipment, materials, some overheads and subcontracting qualify
- Possible to defray expenses incurred abroad
- Various provinces have additional top-up programmes

**Scientific Research & Experimental
Development**

Useful Links

- www.cleanenergy.gc.ca
- *Canada's clean energy portal*
- www.sdtec.ca
- *Sustainable Development Technology Canada – 'Canada's Carbon Trust'*
- www.canmetenergy.gc.ca
- *Canada's largest clean energy research centre*
- www.nrc.gc.ca
- *National Research Council of Canada*
- www.nserc.gc.ca
- *Natural Science and Engineering Research Council of Canada*
- www.cra.gc.ca/sred
- *Information on R&D tax allowances*
- www.investincanada.gc.ca
- *Investment information, including renewable sector*