

## Green Economy - Locations that might interest you:

# WIND AND SOLAR ENERGY CLUSTERS

Canada's wind and solar energy industry covers the supply chain from raw materials to component manufacturers, and system integrators to developers, retailers and distributors.



## WESTERN CANADA

### Calgary (Alberta)

- Calgary is the epicenter of the Canadian energy industry and home to Canada's 10 largest oil and gas producers and some of the world's largest energy transportation companies. Key companies include Suncor, ATCO, GE, CNRL, Cenovus, AMEC Foster Wheeler, and Inter Pipeline.
- Canada's hub for clean energy (resource) technology. Areas of focus include water technologies and tailings, greenhouse gases technology reduction and carbon utilization, clean technology applications for large oil & gas companies.
- Oil sands in northern Alberta are the world's largest crude reserves after Saudi Arabia and Venezuela. Key companies include Nova Chemicals, Seven Generations, Suncor Energy, Cenovus Energy and Enbridge.
- Calgary is home to a growing cluster of more than 500 green energy companies. Sub sectors include energy storage and grid infrastructure, green building and energy efficiency and green transportation.
- One-third of Alberta's land has wind energy sources for energy production.
- Calgary has the most engineers and geoscientists per capita in Canada.

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### Vancouver (British Columbia)

- Vancouver has a thriving green economy with year-over-year job growth averaging 7.8% per year for the last 3 years. Vancouver is home to 30% of Canada's Cleantech sector; 3<sup>rd</sup> largest in the world.
- One of Vancouver's green economy sector goals is to lead the world in green building design and construction.

### SASKATCHEWAN

- Saskatchewan is a leader in renewable energy and Canada's sunniest and 4<sup>th</sup> windiest province.
- Focus on energy (petroleum, clean tech, uranium/nuclear), minerals/mineral processing (for both hard and soft rock), agri-value (and those technologies transforming cereals, pulses and oilseeds), small scale LNG/Gas to Liquid/enhanced oil recovery technology and waste recycling.

### ONTARIO

#### City of Hamilton (Ontario)

- Focus within clean tech on water technology, advanced water purification technologies, and wastewater treatment technologies.

#### Ottawa (Ontario)

- Leader in the development and advancement of clean technologies, Ottawa boasts a large concentration of federal research agencies and laboratories. Subsectors of focus include bio-refinery products, recycling, recovery and remediation, water and wastewater, energy infrastructure/smart grid, and energy efficiency/green buildings.
- Ottawa is home to global clean technology Fortune 500 companies such as Honeywell, Johnson Controls, Enbridge, Wesco and Waste Management.

### QUEBEC

#### Montreal (Quebec)

- Focus: renewable energies (EVs/battery technologies). Siemens and Schneider Electric have major energy infrastructure projects across Canada.
- Key companies include TM4 (electric motors), Novabus (electric bus), P.I.T. Group (heavy duty electric truck), Johnson Matthey (lithium ion powder), Bolloré (battery factory) and more.

### PRINCE EDWARD ISLAND

- 35% of Prince Edward Island's electrical generation comes from renewable sources.
- The island is home to the Wind Energy Institute of Canada (WEICAN), responsible for research and commercialization of wind technology.
- Several clean tech companies specializing in water purification / sewage systems, renewable energy generation, and energy-efficient systems are located at Prince Edward Island.