GREATER SAINT JOHN offers the most diverse set of energy assets in any city in Canada. Our energy portfolio includes nuclear, natural gas, oil & gas, hydro-electric, wind and potentially tidal energy in the future. Our expert energy workforce is already leveraging emerging technologies to put us on a pathway to a greener future.

GREATER SAINT JOHN IS HOME TO
a diverse energy mix, including:

<table>
<thead>
<tr>
<th>THE POINT LEPREAU NUCLEAR GENERATING STATION</th>
<th>THE IRVING OIL REFINERY</th>
<th>SAINT JOHN ENERGY</th>
<th>CANAPORT LNG</th>
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</thead>
<tbody>
<tr>
<td>• Commissioned in 1983</td>
<td>• Opened in 1960</td>
<td>• Self-contained distribution utility with capabilities for micro-grid experimentation</td>
<td>• State-of-the-art liquid natural gas receiving and regassification terminal</td>
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<tr>
<td>• Refurbished in 2012</td>
<td>• Canada’s largest oil refinery (320,000 barrels of refined product per day)</td>
<td>• Received $4.1 million from Natural Resources Canada’s Smart Grid program to modernize the city’s electricity grid</td>
<td>• Only LNG on the east coast</td>
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<tr>
<td>• Operated by NB Power</td>
<td>• Workforce of 1600+</td>
<td>• Partnered with Open Systems International (OSI) to develop a state-of-the-art Smart Control Centre to monitor and control smart resources and smart consumer products on the grid</td>
<td>• Partnership between Irving Oil and Repsol</td>
</tr>
<tr>
<td>• 660 MW reactor</td>
<td>• First oil company to receive the US Environmental Protection Agency Clean Air Excellence Award</td>
<td>• Partnered with Natural Forces to start the development and construction of Burchill Wind Farm. Up to 10 turbines will be installed, generating up to 42MW of renewable energy.</td>
<td></td>
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EMERA NEW BRUNSWICK

• Operator of Brunswick Pipeline
• Owner/operator of Bayside Power, 290 MW gas-fired power plant

ADVANCED REACTOR CONCEPTS AND MOLTEX ENERGY

• ARC Nuclear and Moltex Energy are leading developers of small modular reactor (SMR) technologies

ALGONQUIN POWER

• 1,200 km of natural gas distribution pipeline
• Serving 12 communities in New Brunswick

SECTOR PROFILE

Energy sector participants can leverage the following assets in place in the Greater Saint John region:

• Highly developed supply chain supporting existing assets
• Skilled workforce across all trades
• A diverse collection of professional services businesses, including architecture, construction, and engineering firms.
LUCRATIVE NEW MODULAR NUCLEAR REACTOR SUPPLY CHAIN UNDERWAY

In 2018, both Advanced Reactor Concepts (ARC) and Moltex Energy announced partnerships with NB Power to work on design, prototyping, and regulatory approvals for their small nuclear reactor solutions. Both companies will work closely with the team at the Point Lepreau Nuclear Reactor over a 10 to 12 year period, using Saint John as their base of operations. Commercialization of this leading-edge nuclear technology has the potential to transform the provincial economy.

These partnerships have great potential to make New Brunswick a leader in emerging energy sectors and to bring growth and opportunities to our economy.

David Campbell, Chair of the New Brunswick Energy Solutions Corporation

GREENING THE GRID

Saint John Energy is developing a $30M wind farm. The Burchill Wind Farm project, announced in 2019, will see 5-10 wind turbines, generating 20-40 MW of power, constructed on Saint John’s west side. The project will allow the utility to redistribute electrical energy resources to reduce costs and improve their carbon footprint.

5 MILLION
Number of homes Canaport LNG is capable of heating, at maximum send-out capacity.

2
Number of Canadian provinces with nuclear power generation capabilities: New Brunswick and Ontario.

100 BILLION
Number of tonnes of water that move in (or out) of the Bay of Fundy with each tide.

16
Metres - the highest tides experienced in the Bay of Fundy.

6%
Portion of Provincial Gross Domestic Product (GDP) attributable to the energy sector.

705,000
Gross station output of Point Lepreau Nuclear Generating Station (kW).