



International Power

Wind & Solar Energy in Canada

Wind and solar are significant and powerful global energy resources. From an emerging energy source twenty years ago, global wind energy capacity has matured as a competitive source of new electricity in today's markets. Over the past ten years, wind energy has continued to grow at an average cumulative rate of 32%. By the end of 2008, installed capacity globally was greater than 120,000MW, with thousands more in development. Solar energy solar power development is growing 35% per year globally and is considered a market with great potential.

While Canada has been slow to capitalize on its excellent and vast wind and solar resources, in recent years the technologies have begun to play an increasingly important role in Canada's electricity system. For example, Canada's installed wind capacity was more than 3,300MW at the end of 2009 and continues to grow. While this is encouraging, it only begins to scratch the surface of the potential in Canada. The Canadian Wind Energy Association (CanWEA) estimates there is potential in Canada for wind energy to meet 20% of our energy needs.

Developing Power Projects: Our Approach

1. Leverage all available data to identify the best prospective site
 - Meso-scale mapping
 - Analysis and correlation of available long-term data
2. Comprehensive resource assessment
 - Installation of on-site meteorological towers and sensing equipment
 - Long-term data acquisition and analysis, minimum 12 months
3. Nurture open, honest and respectful relationships with landowners and community leaders
 - Public meetings, open houses, kitchen meetings
4. Competitive, innovative and flexible financial structuring on IPC and partner projects
 - Ensures competitiveness in tenders
5. Pro-active and responsible environmental permitting
 - Complex environmental screening and technical studies

Our Developments:

Ontario SOP Projects

In 2008, IPC brought four 9.9MW wind power projects into commercial operation in Ontario along the north shore of Lake Erie. The Frogmore, Cultus, Clear Creek and Mohawk Point Wind Farms were among the first projects built under Ontario's Renewable Energy Standard Offer program.

In 2009 IPC began construction of an additional four 9.9MW wind projects in Essex County, Ontario, close to the community of Harrow. The Harrow wind projects are expected to be delivering power in June 2010.

Project Highlights:

- Each project is comprised of six Vestas V82 1.65MW wind turbines, for a total installed capacity of 9.9MW per project
- Each project supplies enough electricity to service approximately 3,000 average households for one year
- Over \$150 million project financing secured

Erie Shores Wind Farm Phase I

IPC began construction on the Erie Shores Wind Farm in early 2002. Ground was broken in the summer of 2005 for the first turbines along the Lake Erie shoreline in Southern Ontario. Erie Shores was the largest wind farm in Canada when it was commissioned in 2006.

Project Highlights:

- The project is comprised of sixty-six GE SLE 1.5MW wind turbines for a total installed capacity of 99MW
- A 30km 115kV transmission line was constructed to connect the project to the Ontario grid
- The project stretches across over 9,000 acres along 25km of Lake Erie shoreline in Norfolk and Elgin Counties
- \$186 million financing

"International Power Canada has always been fair and honest with the landowners. The wind project has gone as smooth as possible."
- Eldon Walcarius, participating landowner
Erie Shores Wind Farm

International Power Canada, Inc. (IPC), formerly AIM PowerGen Corporation, is a renewable power developer, owner and operator based in Toronto, Ontario. IPC takes wind and solar power projects from initial concept through testing and permitting to construction and operation. IPC's portfolio of projects range in size from less than 10MW to utility scale facilities of over 200MW throughout Canada and internationally.

IPC was founded in 2001 and has quickly grown to become one of Canada's largest renewable power companies. IPC's first projects, the 99MW Erie Shores Wind Farm, was the largest operating wind facility in Ontario when it was commissioned in 2006. IPC successfully constructed and commissioned some of the first power projects under Ontario's ground-breaking Renewable Energy Standard Offer Program. IPC is currently developing dozens of other projects in Ontario and throughout Canada.

IPC is a leading Canadian Renewable Power Developer

- ▶ Pioneer in developing Ontario's wind power sector
- ▶ Developer of one of North America's largest wind power projects
 - ▶ Over 2000MW under development across Canada
- ▶ Access to significant project development and construction capital
 - ▶ An excellent strategic and/or equity partner
- ▶ Trained and knowledgeable in-house team who are experts in the wind and solar sector

AIM PowerGen Corporation was acquired by International Power plc in October 2009 and operates in Canada as International Power Canada, Inc. International Power plc is a leading independent electricity generating company with interests in over 32,000MW of power generating capacity, located in 21 countries.

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"IPC's President (Mike Crawley) has been a vital link as an APPrO Director between the renewable energy and project finance sectors: he brings entrepreneurial energy along with high quality strategic guidance to public policy and advocacy as well as the principal matters of renewable power development. In short, Mike is an industry leader, and is a tremendous asset for our organization."

—David Butters, President, the Association of Power Producers of Ontario



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