

Opportunities in Renewable Energy Development in Ontario

AWMA Annual Conference October 6th, 2010



Introduction

Agenda

- Algonquin Power Overview and History
- Algonquin's Recent Activity
- Ontario Opportunities & Challenges
- Other Opportunities

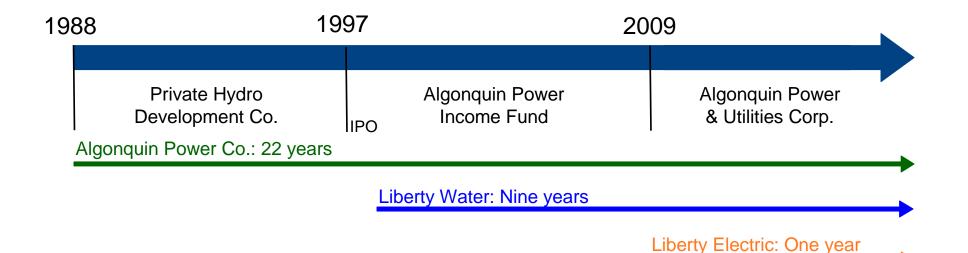




Overview and History

Algonquin Power & Utilities Corporation

- One of the largest Canadian renewable power and utility companies with more than 480 MW of generation and 70,000+ utility customers
- EBITDA of \$80 million annually
- Enterprise value grown from \$100 million to \$800 million
- Traded on the Toronto Stock Exchange: AQN, AQN.DB, AQN.DB.A, AQN.DB.B

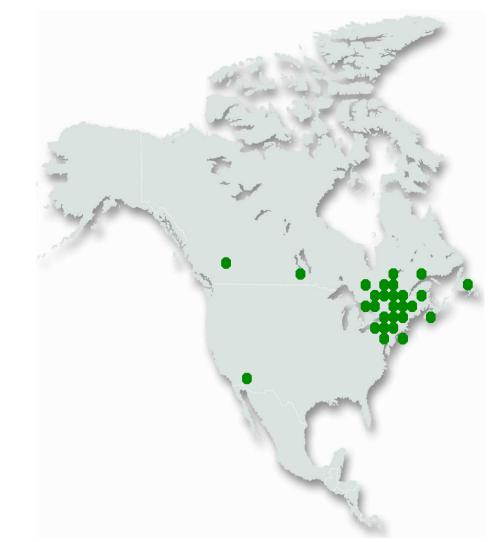




Algonquin Power Corporation

Renewable and Clean Energy

- 56 facilities 453 MW
 - Small Hydro, Cogeneration, Wind, Energy from Waste
 - 7 facilities in Ontario
- 75% of generation under long term contracts, average PPA of 12 yrs,
- ~80% of Total APUC EBITDA
- Active Development and Acquisition Group
- Power Marketing Group





Recent Activity

Red Lily Wind Project – Phase 1

- 26.4MW wind project currently under construction near Moosomin, Saskatchewan consisting of 16 Vestas V82 wind turbines-expected capacity factor of 38.1%
- Target COD early 2011. All electricity sold to SaskPower under a 25 yr PPA with annual escalation of 2%
- APCo providing \$17.5 million in debt and will provide development and construction oversight services, and operations and management oversight under 25 year agreement

Eastern Canada/US Hydroelectric Facilities

- Transaction closed Q1 2010
- 37 MW hydroelectric generating capacity in Maine and New Brunswick
- New Brunswick Public Utilities Board regulated transmission lines
- Long operating life, experienced management, long-term employees



Current Opportunities

Greenfield Growth

- Phase II Red Lily Wind Project: 106 MW, 3 additional wind sites in SK
- Ontario Green Energy Act: Three wind projects totaling approx. 120 MW

Organic Growth

- St. Leon Wind Energy: 85 MW expansion capability
- Combined Cycle/CHP at Energy from Waste facility
- Repowering/Expansion at existing cogen facilities
- Algonquin Energy Services managing off contract generation



😵 Hollow Dam, New York



Ontario Opportunities

Ontario Power Industry Drivers

- Deregulation/Break-up of Ontario Hydro
- Aging Electrical Infrastructure/Under Development
- Commitment to phase out coal
- Push to develop renewable power

Ontario Green Energy Act

- 6,000 MW conservation
- 10,000 MW new renewable energy by 2015
- 1,500 MW new distributed energy by 2015

Ontario Power Authority

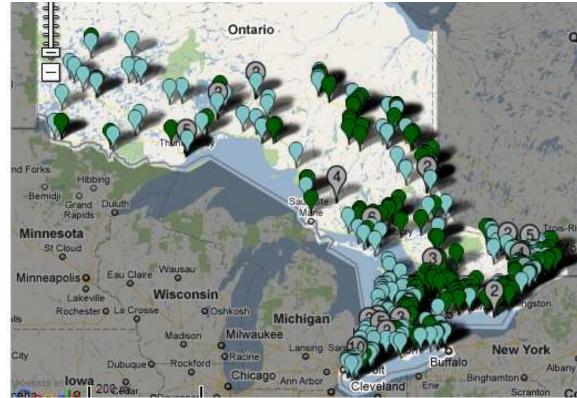
- Bilateral Contracts
- Feed In Tariff Programs



Ontario's Green Rush

FIT Contracts

- Gold Standard Long Term, Escalating, Government Backed
- Solar, Wind, Biogas, Biomass, Landfill Gas, Hydro





Ontario's Green Rush

Is the Field Full?

- First Mover Advantage
- Dominated by Wind

Opportunities

- Still along way to go to meet GEA targets
- Pure Play Developers
 - Construction Capital & Execution
 - 0&M

Challenges

- NIMBY's
- Transmission
- Rewarding Developers for at risk capital





Other Opportunities

Wind Capacity Factors

– 35-40% = Need reliable, dispatchable generation

New Technology

- Old Wind Farms

Expansion/Repowering Older Plants

- OEFC Contracts
- HCI Contracts

Not Just Ontario

- Rest of Canada
- United States



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