ATLANTIC POWER CORP Form 424B5 October 14, 2010

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Filed Pursuant to Rule 424(b)(5) Registration No. 333-168856

PROSPECTUS

Cdn\$70,000,000

5.60% Series B Convertible Unsecured Subordinated Debentures due 2017

We are selling Cdn\$70,000,000 aggregate principal amount of our 5.60% Series B convertible unsecured subordinated debentures due 2017 (the "Debentures"), at a price of Cdn\$1,000 per Cdn\$1,000 principal amount of Debentures. The Debentures have a maturity date of June 30, 2017 and bear interest at an annual rate of 5.60% payable semi-annually in arrears.

Each Debenture will be convertible into our common shares at the option of the holder at any time prior to the close of business on the earlier of the maturity date and the business day immediately preceding the date specified by us for redemption of the Debentures at a conversion price of Cdn\$18.10 per common share, being a conversion rate of approximately 55.2486 common shares per Cdn\$1,000 principal amount of Debentures, subject to adjustment in accordance with the trust indenture governing the terms of the Debentures. We will not receive any proceeds from the issuance of the common shares upon conversion of the Debentures.

The Debentures may not be redeemed by us on or before June 30, 2013 (except in certain limited circumstances involving a change in control). After June 30, 2013 and prior to June 30, 2015, we may redeem the Debentures, in whole or in part, at a redemption price equal to their principal amount plus accrued and unpaid interest, provided that the volume weighted average trading price of our common shares on the Toronto Stock Exchange (the "TSX") for the 20 consecutive trading days ending five trading days preceding the date on which notice of redemption is given is not less than 125% of the conversion price. On or after June 30, 2015 and prior to the maturity date, we may redeem the Debentures, in whole or in part, at a price equal to their principal amount plus accrued and unpaid interest. See "Description of Debentures Redemption and Purchase."

The Debentures constitute a new issue of our securities for which there is currently no public market. As of October 4, 2010, we had \$395.8 million of debt outstanding that ranks equal with or senior to the Debentures, and we expect to incur additional debt in the future. The amount at October 4, 2010 is comprised of \$20.0 million outstanding under our revolving credit facility, \$142.9 million of outstanding convertible debentures and \$232.9 million of outstanding non-recourse project-level debt. Our outstanding common shares are listed on the TSX under the symbol "ATP" and on the New York Stock Exchange under the symbol "AT." The last reported sale price of our common shares on October 4, 2010 on the TSX and the New York Stock Exchange was Cdn\$14.07 and \$13.76 per common share, respectively. See "Exchange Rate Information" on page 30 for information regarding the exchange rate between Canadian dollars and U.S. dollars.

Investing in the Debentures involves risks. You should read the section entitled "Risk Factors" beginning on page 11 of this prospectus for a discussion of certain risk factors you should consider before buying the Debentures.

Neither the Securities and Exchange Commission nor any other regulatory body has approved or disapproved of these securities or passed upon the accuracy or adequacy of this prospectus. Any representation to the contrary is a criminal offense.

	Per Debenture	Total
Public offering price	Cdn\$1,000	Cdn\$70,000,000
Underwriting discount	Cdn\$40	Cdn\$2,800,000
Proceeds to us (before expenses)	Cdn\$960	Cdn\$67,200,000

The underwriters have the option to purchase up to an additional Cdn\$10,500,000 aggregate principal amount of Debentures from us at the public offering price less the underwriting discount.

Book-entry only certificates representing the Debentures offered by this prospectus will be issued in registered form to CDS Clearing and Depository Services Inc. ("CDS") or its nominee as registered global securities and will be deposited with CDS on the date of issue of the Debentures, which is expected to occur on or about October 20, 2010 or such later date as we and the underwriters may agree, but in any event no later than October 29, 2010.

BMO Capital Markets

RBC Capital Mar	·kets	Scotia Capital	TD Securities
СІВС	Desjardins Securities	Macquarie Capital Markets Canada Ltd. The date of this prospectus is October 13, 2010.	NBF Securities (USA) Corp.

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You should rely only on information contained in this document or to which we have referred you. We have not, and our underwriters have not, authorized anyone to provide any information or to make any representations other than those contained in this prospectus or in any free writing prospectuses we have prepared or, for purchasers in Canada, the Canadian prospectus relating to this offering. If anyone provides you with different or inconsistent information, you should not rely on it. We take no responsibility for, and can provide no assurance as to the reliability of, any other information that others may give you. We are not, and the underwriters are not, making an offer to sell the securities in any jurisdiction where the offer or sale is not permitted. This document may only be used where it is legal to sell these securities.

As used in this prospectus, the terms "Atlantic Power," the "Company," "we," "our," and "us" refer to Atlantic Power Corporation, together with those entities owned or controlled by Atlantic Power Corporation, unless the context indicates otherwise. All references to "Cdn\$" and "Canadian dollars" are to the lawful currency of Canada and references to "\$," "US\$" and "U.S. dollars" are to the lawful currency of the United States. All dollar amounts herein are in U.S. dollars, unless otherwise indicated. This prospectus includes our trademarks and other trade names identified herein. All other trademarks and trade names appearing in this prospectus are the property of their respective holders.

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PROSPECTUS SUMMARY

The following summary may not contain all the information that may be important to you or that you should consider before deciding to purchase any Debentures and is qualified in its entirety by the more detailed information appearing elsewhere in this prospectus. You should read the entire prospectus, especially the risks set forth under the heading "Risk Factors" in this prospectus, as well as the financial and other information included herein, before making an investment decision.

Atlantic Power Corporation

Atlantic Power Corporation is an independent power producer, with power projects located in major markets in the United States. Our current portfolio consists of interests in 12 operational power generation projects across eight states, one wind project under construction, a 500 kilovolt 84-mile electric transmission line located in California, and six development projects in five states. Our power generation projects have an aggregate gross electric generation capacity of approximately 1,823 megawatts (or "MW") in which our ownership interest is approximately 808 MW.

The following map shows the location of our projects, including joint venture interests, across the United States:

We sell the capacity and power from our power generation projects under power purchase agreements (or "PPAs") with a variety of utilities and other parties. Under the PPAs, which have expiration dates ranging from 2010 to 2037, we receive payments for electric energy sold to our customers (known as energy payments), in addition to payments for electric generation capacity (known as capacity payments). We also sell steam and/or other forms of thermal energy from a number of our projects under energy sales agreements to industrial purchasers ("steam sales agreements"). The transmission system rights we own in our power transmission project entitle us to payments indirectly from the utilities that make use of the transmission line.

Our power generation projects generally operate pursuant to long-term supply agreements, typically accompanied by fuel transportation arrangements. In most cases, the fuel supply and transportation arrangements correspond to the term of the relevant PPAs and most of the PPAs and steam sales agreements provide for the pass-through or indexing of fuel costs to our customers.

We partner with recognized leaders in the independent power business to operate and maintain our projects, including Caithness Energy, LLC ("Caithness"), Power Plant Management Services and the Western Area Power Administration ("Western"). Under these operation, maintenance and management agreements, the operator is typically responsible for operations, maintenance and repair services.

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Atlantic Power Corporation is organized under the laws of the Province of British Columbia. Our registered office is located at 355 Burrard Street, Suite 1900, Vancouver, British Columbia, Canada V6C 2G8 and our headquarters are located at 200 Clarendon Street, Floor 25, Boston, Massachusetts, USA 02116. Our telephone number is (617) 977-2400. Our website address is www.atlanticpower.com. Information contained on, or otherwise accessible through, our website is not incorporated into, and does not constitute a part of, this prospectus or any other report or documents we file with or furnish to the SEC.

We completed our initial public offering on the Toronto Stock Exchange, or the TSX, in November 2004. At the time of our initial public offering, our publicly traded security was an "income participating security," or "IPS," each of which was comprised of one common share and Cdn\$5.767 principal value of 11% subordinated notes due 2016. On November 27, 2009, our shareholders approved a conversion from the IPS structure to a traditional common share structure. Each IPS has been exchanged for one new common share and each old common share that did not form a part of an IPS was exchanged for approximately 0.44 of a new common share. Our shares trade on the TSX under the symbol "ATP" and began trading on the New York Stock Exchange, or the NYSE, under the symbol "AT" on July 23, 2010.

Our Competitive Strengths

We believe we distinguish ourselves from other independent power producers through the following competitive strengths:

Diversified Projects. Our power generation projects are diversified by geographic location, electricity and steam customers, and project operators. These projects are generally located in deregulated and more liquid electricity markets or regions of relatively high electricity demand growth.

Strong Customer Base. Our customers are generally large utilities and other parties with investment-grade credit ratings. The largest customers of our power generation projects include Progress Energy Florida, Inc., Tampa Electric Company and Atlantic City Electric.

Leading Third-Party Managers. Our power generation projects rely on a number of different operators for their operation, which are generally recognized leaders in the independent power business. Affiliates of Caithness, Power Plant Management Services and Babcock and Wilcox Power Generation Group, Inc. are our primary project operators.

Stability of Project Cash Flow. Each of our power generation projects currently in operation has been in operation for over ten years. Cash flows from each project are generally supported by energy sales contracts with investment-grade utilities and other sophisticated counterparties.

Our Objectives and Business Strategies

Our objectives include maintaining the stability and sustainability of dividends to shareholders and to maximize the value of our company. In order to achieve these objectives, we intend to focus on enhancing the operating and financial performance of the projects and on pursuing additional acquisitions primarily in the electric power industry in the U.S. and Canada.

Organic Growth

We intend to enhance the operation and financial performance of our projects through:

optimization of commercial arrangements such as PPAs, fuel supply and transportation contracts, steam sales agreements, and operations and maintenance agreements;

achievement of improved operating efficiencies;

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upgrade or enhancement of existing equipment or plant configurations; and

expansion of existing projects.

Successfully extending PPAs and fuel agreements may facilitate refinancings that provide capital to fund growth opportunities.

Extending PPAs Following Their Expiration

PPAs in our portfolio have expiration dates ranging from 2010 to 2037. In each case, we plan for expirations by evaluating various options in the market for maximizing project cash flows. New arrangements may involve responses to utility solicitations for capacity and energy, direct negotiations with the original purchasing utility for PPA extensions, arrangements with creditworthy energy trading firms for tolling agreements, full service PPAs or the use of derivatives to lock in value. We do not assume that pricing under existing PPAs will necessarily be sustained after PPA expirations, since most original PPAs included capacity payments related to return of and return on original capital invested and counterparties or evolving regional electricity markets may or may not provide similar payments under new or extended PPAs.

Acquisition and Investment Strategy

We believe that new electricity generation projects will be required in the United States and Canada over the next several years as a result of growth in electricity demand, transmission constraints and the retirement of older generation projects due to obsolescence or environmental concerns. There is also a very active secondary market for existing projects. We intend to expand our operations by making accretive acquisitions with a focus on power generation, transmission, distribution and related facilities in the United States and Canada. We may also invest in other forms of energy-related projects, utility projects and infrastructure projects, as well as additional investments in development stage projects or companies where the prospects for creating long-term predictable cash flows are attractive. Since the time of our initial public offering on the TSX in 2004, we have twice acquired the interest of another partner in one of our existing projects and will continue to look for such opportunities.

Our senior management has significant experience in the independent power industry and we believe the experience, reputation and industry relationships of our management team will provide us with enhanced access to future acquisition opportunities.

Recent Developments

On July 2, 2010, we acquired a 27.6% equity interest in Idaho Wind Partners 1, LLC ("Idaho Wind") for approximately \$40 million. Idaho Wind recently commenced construction of a 183 MW wind power project located near Twin Falls, Idaho, which is currently scheduled to be completed in late 2010 or early 2011. Idaho Wind has 20-year fixed-price PPAs with Idaho Power Company. Our investment in Idaho Wind was funded with cash on hand and a \$20 million borrowing under our senior credit facility. Upon completion of construction, we expect Idaho Wind to provide after-tax cash flows to us of \$4.5 million to \$5.5 million for each full year of operations. Our investment in Idaho Wind will be accounted for under the equity method of accounting. We expect Idaho Wind to shortly close a project-level financing in the amount of approximately \$225 million, which will be non-recourse to Atlantic Power Corporation.

In April 2010, our majority-owned subsidiary, Rollcast Energy, Inc., entered into a construction agreement for a 53.5 MW biomass project, known as Piedmont Green Power, to be located in Barnesville, Georgia. Pursuant to the terms of our investment in Rollcast, we have the option, but not the obligation, to invest directly in biomass power plants under development by Rollcast. We currently

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expect to invest up to \$75 million in the Piedmont Green Power project, representing substantially all of the equity interests in the project. We intend to use a sole arranger to syndicate project-level debt financing for the project. Construction of the project is scheduled to commence upon the closing of construction financing early in the fourth quarter of 2010. The Piedmont Green Power project has a 20-year PPA with Georgia Power Company which includes an adjustment related to the cost of biomass fuel for the plant.

Concurrently with this offering, we are also conducting a separate public offering of 5,245,000 common shares (plus up to an additional 784,000 common shares that we may issue and sell upon the exercise of the underwriters' option to purchase additional shares). This offering is not conditioned upon the successful completion of the concurrent offering of common shares and the concurrent offering of common shares is not conditioned upon the successful completion of this offering. See "Description of Concurrent Offering of Common Shares."

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Our Power Projects

The following table outlines our portfolio of power generating and transmission assets in operation and under construction as of October 4, 2010, including our interest in each facility. Management believes the portfolio is well diversified in terms of electricity and steam buyers, fuel type, regulatory jurisdictions and regional power pools, thereby partially mitigating exposure to market, regulatory or environmental conditions specific to any single region.

Project Name	Location (State)	Туре	Total MW	Economic Interest ⁽¹⁾	Accounting Treatment ⁽²⁾	Net MW ⁽³⁾	Electricity Purchaser	Power Contract Expiry	Customer S&P Credit Rating
Auburndale	Florida	Natural Gas	155	100.00%	С	155	Progress Energy Florida	2013	BBB+
Lake	Florida	Natural Gas	121	100.00%	С	121	Progress Energy Florida	2013	BBB+
Pasco	Florida	Natural Gas	121	100.00%	С	121	Tampa Electric CO.	2018	BBB
Chambers	New Jersey	Coal	262	40.00%	Е	89(4)	ACE	2024	BBB
						16	DuPont	2024	А
Path 15	California	Transmission	N/A	100.00%	С	N/A	California Utilities via California Independent System Operator ⁽⁵⁾	N/A ⁽⁶⁾	BBB+ to A ⁽⁷⁾
Orlando	Florida	Natural Gas	129	50.00%	Е	46	Progress Energy Florida	2023	BBB+
						19	Reedy Creek Improvement District	2013 ⁽⁸⁾	A ⁽⁹⁾
Selkirk	New York	Natural Gas	345	17.70%(10) E	14	Merchant	N/A	N/R
						47	Consolidated Edison	2014	A-
Gregory	Texas	Natural Gas	400	17.10%	Е	59	Fortis Energy Marketing and Trading	2013	A-
						9	Sherwin Alumina	2020	NR

Topsham ⁽¹⁾ Maine Hydro 14 50.00% E 7 Central Maine Power Badger Creek California Natural Gas 46 50.00% E 23 Pacific Gas & Electric Rumford Maine Coal/Biomass 85 26.40% E 22 Rumford Paper Co. Koma Kulshan Washington Hydro 13 49.80% E 6 Puget Sound Energy Delus-Person New Natural Gas 132 40.00% E 53 PNM Idaho Wind ⁽¹²⁾ Idaho Wind 183 27.57% E 51 Idaho Power Co. (1) Except as otherwise noted, economic interest represents the percentage ownership interest in the project held indirectly by Atlar (2) Accounting Treatment: C Consolidated; and E Equity Method of Accounting (for additional details, see Note 2 of the accounting financial statements for the year ended December 31, 2009). . (3) Represents our interest in each project's electric generation capacity based on our economic interest. . (4) Includes separate power sales agreement in which the project and ACE share profits on spot sales of energy and capacity not puthe base PPA. . <th></th>										
Rumford Maine Coal/Biomass 85 26.40% E 22 Rumford Paper Co. Koma Kulshan Washington Hydro 13 49.80% E 6 Paget Sound Energy Delta-Person New Natural Gas 132 40.00% E 53 PNM Idaho Wind ⁽¹²⁾ Idaho Wind 183 27.57% E 51 Idaho Power Co. (1) Except as otherwise noted, economic interest represents the percentage ownership interest in the project held indirectly by Atlar (2) Accounting Treatment C Consolidated; and E Equity Method of Accounting (for additional details, see Note 2 of the accomp financial statements for the year ended December 31, 2009). (3) Represents our interest in each project's electric generation capacity based on our economic interest. (4) Includes separate power sales agreement in which the project and ACE share profits on spot sales of energy and capacity not pu the base PPA. (5) California utilities pay transmission access charges to the California Independent System Operator, who then pays owners of tra such as Path 15, in accordance with its FERC approved regulatory life of 30 years: through 2034. (7) Largest payers of fees supporting Path 15's annual revenue requirement are PG&E (BBB+), SoCal Ed (BBB+) and SDG&E (A) Independent Sys		Maine	Hydro	14	50.00%	Е	7	Central Maine Power	2011	BBB+
Koma Kulshan Washington Hydro 13 49.80% E 6 Paget Sound Energy Delta-Person New Natural Gas 132 40.00% E 53 PNM Idaho Wind ⁽¹²⁾ Idaho Wind 183 27.57% E 51 Idaho Power Co. (1) Except as otherwise noted, economic interest represents the percentage ownership interest in the project held indirectly by Atlar (2) Accounting Treatment: C Consolidated; and E. Equity Method of Accounting (for additional details, see Note 2 of the accomptinancial statements for the year ended December 31, 2009). (3) Represents our interest in each project's electric generation capacity based on our economic interest. (4) Includes separate power sales agreement in which the project and ACE share profits on spot sales of energy and capacity not put the base PPA. (5) California utilities pay transmission access charges to the California Independent System Operator, who then pays owners of tra such as Path 15, in accordance with its FERC approved annual revenue requirement. (6) Path 15 is a FERC regulated asset with a FERC-approved regulatory life of 30 years: through 2034. (7) Largest payers of fees supporting Path 15's annual revenue requirement are PG&E (BBB+), SoCal Ed (BBB+) and SDG&E (A) Independent System Operator imposes minimum credit quality requirements for any participant		California	California Natural Gas 46 50.00% E		23	Pacific Gas & Electric	2011	BBB+		
Delta-Person New Mexico Natural Gas 132 40.00% E 53 PNM Idaho Wind ⁽¹²⁾ Idaho Wind 183 27.57% E 51 Idaho Power Co. (1) Except as otherwise noted, economic interest represents the percentage ownership interest in the project held indirectly by Atlar (2) Accounting Treatment: C Consolidated; and E Equity Method of Accounting (for additional details, see Note 2 of the accomp financial statements for the year ended December 31, 2009). (a) (3) Represents our interest in each project's electric generation capacity based on our economic interest. (4) Includes separate power sales agreement in which the project and ACE share profits on spot sales of energy and capacity not pu the base PPA. (5) California utilities pay transmission access charges to the California Independent System Operator, who then pays owners of tra such as Path 15, in accordance with its FERC approved regulatory life of 30 years: through 2034. (7) Largest payers of fees supporting Path 15's annual revenue requirement are PG&E (BBB+), SoCal Ed (BBB+) and SDG&E (A) Independent System Operator imposes minimum credit quality requirements for any participants of A or better unless collateral imposed schedule. (8) Upon the expiry of the Reedy Creek PPA, the associated capacity and energy will be sold to PEF. (9) Fitch rating on Reedy Creek Improvement Dis	Maine Coal/Biomass 85 26.40% E		22	Rumford Paper Co.	2010	N/R				
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 Except as otherwise noted, economic interest represents the percentage ownership interest in the project held indirectly by Atlar Accounting Treatment: C Consolidated; and E Equity Method of Accounting (for additional details, see Note 2 of the accomptinancial statements for the year ended December 31, 2009). Represents our interest in each project's electric generation capacity based on our economic interest. Includes separate power sales agreement in which the project and ACE share profits on spot sales of energy and capacity not put the base PPA. California utilities pay transmission access charges to the California Independent System Operator, who then pays owners of tra such as Path 15, in accordance with its FERC approved regulatory life of 30 years: through 2034. Path 15 is a FERC regulated asset with a FERC-approved regulatory life of 30 years: through 2034. Largest payers of fees supporting Path 15's annual revenue requirement are PG&E (BBB+), SoCal Ed (BBB+) and SDG&E (A) Independent System Operator imposes minimum credit quality requirements for any participants of A or better unless collateral imposed schedule. Upon the expiry of the Reedy Creek PPA, the associated capacity and energy will be sold to PEF. Fitch rating on Reedy Creek Improvement District bonds. Represents our residual interest in the project after all priority distributions are paid, which is estimated to occur in 2012. We own our interest in this project as a lessor. 			Natural Gas	132	40.00%	E	53	PNM	2020	BB-
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Project currently under construction and is expected to be completed in late 2010 or early 2011.	t	currently under	construction and i	s expected to	be completed in I	late 2010 or	early 2011.			

Summary Risk Factors

An investment in the Debentures involves material risks, including those we have highlighted below. You should consider carefully the risks described below and under "Risk Factors" before purchasing any Debentures in this offering:

Our revenues depend on our power purchase agreements and we may be adversely affected if these agreements expire or terminate.

We are dependent on our power generation projects and our transmission project for virtually all cash available for dividends and may be affected by the profitability of our projects.

Each of our power generation projects depends on their customers for a substantial portion of its revenues and we may be adversely affected if these customers do not make required payments.

Certain of our power generation projects are exposed to fluctuations in the price of electricity which affect their revenues.

Fuel costs may affect profitability of our power generation projects.

Our projects and operations are subject to various energy, environmental and other laws and regulations by federal and state agencies.

We face increasing competition, which may adversely affect our performance and the performance of our projects.

We are exposed to currency exchange rate risks because our revenues and most of our expenses are denominated in U.S. dollars and our payments to shareholders and debenture holders are denominated in Canadian dollars.

Our projects may not operate as planned.

Future dividends are not guaranteed.

We have limited control over management decisions at certain projects.

Financing arrangements could negatively impact our business.

Conversion of Debentures into common shares could result in tax.

There is no trading market for the Debentures.

We may be unable to repay the Debentures.

The Debentures may be redeemed prior to maturity.

The rights and privileges of the Debenture holders are subordinate to our senior indebtedness.

The Debentures

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Issuer	Atlantic Power Corporation, a British Columbia corporation
Maturity	The Debentures will mature on June 30, 2017.
Interest Rate	5.60% per annum.
Payment Dates	Interest will be payable semi-annually in arrears on the last day of June and December in each year (or the immediately following business day if any interest payment date would not otherwise be a business day) commencing on June 30, 2011, computed on the basis of a 360-day year composed of twelve 30-day months. The June 30, 2011 interest payment will represent accrued interest for the period from the closing date of this offering up to, but excluding June 30, 2011. See "Description of Debentures General."
Conversion Privilege	Each Debenture will be convertible into fully paid and non-assessable common shares at the option of the holder at any time prior to the close of business on the earlier of the maturity date and the business day immediately preceding the date specified by the Company for redemption of the Debentures, at a conversion price of Cdn\$18.10 per common share, being a ratio of approximately 55.2486 common shares per Cdn\$1,000 principal amount of Debentures, subject to adjustment in accordance with the trust indenture governing the terms of the Debentures (the "Indenture"). See "Description of Debentures Conversion Privilege."
Redemption	The Debentures may not be redeemed by the Company on or before June 30, 2013 (except in certain limited circumstances following a change of control (as defined herein)). After June 30, 2013 and prior to June 30, 2015, the Debentures may be redeemed by the Company, in whole or in part from time to time, on not more than 60 days and not less than 30 days prior notice, at a redemption price equal to the principal amount thereof plus accrued and unpaid interest, provided that the volume weighted average trading price of our common shares on the TSX for the 20 consecutive trading days ending five trading days preceding the date on which notice of redemption is given is not less than 125% of the conversion price. On or after June 30, 2015 and prior to the maturity date, the Debentures may be redeemed in whole or in part at the option of the Company on not more than 60 days and not less than 30 days prior notice at a price equal to their principal amount plus accrued and unpaid interest. See "Description of Debentures Redemption and Purchase."
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Optional Payment at Maturity or On maturity or upon redemption, provided that no event of default (as defined herein) shall Upon Redemption have occurred and be continuing, the Company may, at its option, on not more than 60 days and not less than 40 days prior notice and subject to regulatory approval, elect to satisfy its obligation to repay the principal amount of the Debentures by issuing and delivering that number of common shares obtained by dividing the principal amount of the outstanding Debentures which are to be redeemed or have matured by 95% of the volume weighted average trading price of the common shares on the TSX for the 20 consecutive trading days ending five trading days preceding the date fixed for redemption or maturity, as the case may be. See "Description of Debentures Payment Upon Redemption or Maturity." Upon the occurrence of certain change of control events involving the Company, each Change of Control holder of Debentures may require the Company to purchase, on a date which is within 30 days following the giving of notice of the change of control, all or any part of such holder's Debentures at a price equal to 100% of the principal amount thereof plus accrued and unpaid interest thereon. If 90% or more of the principal amount of the Debentures outstanding on the date of the notice of change of control have been tendered, the Company will have the right to redeem all the remaining Debentures at the offer price. See "Description of Debentures Repurchase Upon a Change of Control." Subject to regulatory approval, in the event of a change of control where 10% or more of the consideration for our common shares in the transaction or transactions constituting a change of control consists of cash, equity securities that are not traded or intended to be traded immediately following such transactions on a stock exchange, or other property that is not traded or intended to be traded immediately following such transactions on a stock exchange, holders of the Debentures may elect to convert their Debentures and receive, in addition to the number of common shares they otherwise would have been entitled to under "Conversion Privilege," an additional number of common shares as outlined in the table set forth under "Description of Debentures Cash Change of Control." Ranking The Debentures will rank subordinate to all existing and future senior secured and senior unsecured indebtedness of the Company including all trade creditors, and will rank pari passu to any future subordinated unsecured indebtedness. See "Description of Debentures Subordination." As of October 4, 2010, we had \$395.8 million of debt outstanding that ranks equal with or senior to the Debentures, and we expect to incur additional debt in the future. The amount at October 4, 2010 is comprised of \$20.0 million outstanding under our revolving credit facility, \$142.9 million of outstanding convertible debentures and \$232.9 million of outstanding non-recourse project-level debt. 8

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Risk Factors	Prospective purchasers should carefully review and evaluate certain risk factors relating to an investment in the Debentures, including, but not limited to trading market for Debentures, repayment of the Debentures, absence of covenant protection, redemption on a change of control, redemption prior to maturity, conversion following certain transactions, credit risk, subordination of Debentures, discretion in the use of proceeds and possibility of withheld amounts. See "Risk Factors."
United States and Canadian Federal Income Tax Considerations	You should consult your tax advisor with respect to the U.S. and Canadian federal income tax consequences of owning the Debentures and the common shares into which the Debentures may be converted in light of your own particular situation and with respect to any tax consequences arising under the laws of any state, local, foreign or other taxing jurisdiction. See "Certain United States Federal Income Tax Considerations" and "Certain Canadian Federal Income Tax Considerations."
Concurrent Public Offering of Common Shares	Concurrently with this offering, we are also conducting a separate public offering of 5,245,000 common shares (plus up to an additional 784,000 common shares that we may issue and sell upon the exercise of the underwriters' option to purchase additional shares). This offering is not conditioned upon the successful completion of the concurrent offering of common shares and the concurrent offering of common shares is not conditioned upon the successful completion of this offering.
Use of Proceeds	We expect to receive net proceeds from this offering of approximately Cdn\$66.3 million after deducting the underwriting discount and our estimated expenses (or approximately Cdn\$76.4 million if the underwriters exercise their option to purchase additional Debentures in full). We intend to use the net proceeds from this offering, along with the net proceeds we receive from our concurrent offering of common shares, for (i) repayment of approximately \$20 million borrowed under our revolving credit facility in June 2010 to partially fund our previously-announced acquisition of a 27.6% equity interest in Idaho Wind Partners 1, LLC, and (ii) to fund an investment of up to \$75 million in the Piedmont Green Power biomass project in Barnesville, Georgia for substantially all of the equity interest in the project. Any remaining net proceeds will be used to fund additional growth opportunities and for general corporate purposes, including a potential further acquisition that we are currently considering.
Listing	The Debentures constitute a new issue of securities of the Company for which there is currently no public market. Our outstanding common shares are listed on the TSX under the symbol "ATP" and on the New York Stock Exchange under the symbol "AT." 9

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Summary Historical Financial Information

The following table presents summary consolidated financial information, which should be read in conjunction with our consolidated financial statements beginning on page F-1 and the related notes thereto, and "Management's Discussion and Analysis of Financial Condition and Results of Operations" beginning on page 38. The annual historical information for each of the years in the three-year period ended December 31, 2009 has been derived from our audited consolidated financial statements included elsewhere in this prospectus. The historical information for the six-month periods ended June 30, 2009 and 2010 has been derived from our unaudited consolidated financial statements included elsewhere in this prospectus.

	-									ene	ix months ended June 30,	
(in thousands of U.S. dollars, except as												
otherwise stated)		2009		2008		2007		2006 ^(a)	2005 ^(a)	2010 ^(a)	2009 ^(a)	
Project revenue	\$	179,517	\$	173,812	\$	113,257	\$	69,374				