

Welch Barry Edward
 Form 4
 January 04, 2011

FORM 4

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549**

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
 Welch Barry Edward

(Last) (First) (Middle)

C/O ATLANTIC POWER CORPORATION, 200 CLARENDON ST., FLOOR 25

(Street)

BOSTON, MA 02116

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
 ATLANTIC POWER CORP [AT]

3. Date of Earliest Transaction (Month/Day/Year)
 07/31/2010

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

___ Director ___ 10% Owner
 Officer (give title below) ___ Other (specify below)
 CEO & President

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 ___ Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)		
				(A) or (D)	Code	V	Amount	(D)	Price

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474 (9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative	2. Conversion	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if	4. Transaction of Derivative	5. Number of Derivative	6. Date Exercisable and Expiration Date	7. Title and Amount of Underlying Securities	8. P
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Security (Instr. 3)	or Exercise Price of Derivative Security	any (Month/Day/Year)	Code (Instr. 8)	Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	(Month/Day/Year)	(Instr. 3 and 4)	Sec (Ins)			
			Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Dividend Equivalent Rights	<u>(1)</u>	07/31/2010	A		1,513		<u>(1)</u>	<u>(1)</u>	Common Share	1,513
Dividend Equivalent Rights	<u>(1)</u>	08/31/2010	A		1,526		<u>(1)</u>	<u>(1)</u>	Common Share	1,526
Dividend Equivalent Rights	<u>(1)</u>	09/30/2010	A		1,444		<u>(1)</u>	<u>(1)</u>	Common Share	1,444
Dividend Equivalent Rights	<u>(1)</u>	10/31/2010	A		1,516		<u>(1)</u>	<u>(1)</u>	Common Share	1,516
Dividend Equivalent Rights	<u>(1)</u>	11/30/2010	A		1,467		<u>(1)</u>	<u>(1)</u>	Common Share	1,467
Dividend Equivalent Rights	<u>(1)</u>	12/31/2010	A		1,426		<u>(1)</u>	<u>(1)</u>	Common Share	1,426

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Welch Barry Edward C/O ATLANTIC POWER CORPORATION 200 CLARENDON ST., FLOOR 25 BOSTON, MA 02116			CEO & President	

Signatures

Patrick J. Welch,
attorney-in-fact

01/04/2011

 **Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) The dividend equivalent rights accrued on the units granted under the Company's Long Term Incentive Plan. Each dividend equivalent right is the economic equivalent of one common share.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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