Welch Barry Edward Form 4 May 11, 2011

FORM 4

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

OMB APPROVAL

OMB 3235-0287 Number:

Expires:

January 31, 2005

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Other (specify

Check this box if no longer subject to Section 16. Form 4 or

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

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

2. Issuer Name and Ticker or Trading Symbol

ATLANTIC POWER CORP [AT]

5. Relationship of Reporting Person(s) to

Issuer

(Last) (First)

C/O ATLANTIC POWER

(Middle)

(Zip)

3. Date of Earliest Transaction

(Month/Day/Year)

Director 10% Owner

(Check all applicable)

03/31/2011

below) CEO & President

X_ Officer (give title

CORPORATION, 200 **CLARENDON ST., FLOOR 25**

(Street)

(State)

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

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

stive Committee Accusin

BOSTON, MA 02116

(City)

(City)	(51410)	Tabl	e I - Non-L	Derivative :	Secur	ities Acqu	iired, Disposed of	, or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8) (A) or		5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
Common Share	03/31/2011		Code V $A^{(5)}$	Amount 97,363 (5)	(D)	Price (<u>5</u>)	255,559	D	
Common Share	03/31/2011		D(5)	32,454 (5)	D	\$ 15.11 (5)	223,105	D	

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

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

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Expiration Date Exercise Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		ate	d 7. Title and Amount of Underlying Securities (Instr. 3 and 4)		
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amoun or Number of Share
Notional Unit	(1)	03/31/2011		A	20,200 (2)		<u>(1)</u>	(1)	Common Share	20,20
Dividend Equivalent Right	<u>(4)</u>	03/31/2011		A	873 <u>(4)</u>		<u>(4)</u>	<u>(4)</u>	Common Share	873
Notional Unit	<u>(1)</u> <u>(5)</u>	03/31/2011		M		97,363	<u>(1)</u>	<u>(1)</u>	Common Share	97,36

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 05/11/2011

**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).
- Each notional unit under the Company's Long-Term Incentive Plan represents a right to receive one-third in cash (net of any applicable (1) withholdings) and the remainder in a fractional common share, or (at the election of the reporting person) one common share, or (at the discretion of the board of directors of the Company) cash only.
- (2) Represents notional units earned (i.e. for which the performance-based hurdles have been met) pursuant to the Company's Long-Term Incentive Plan.
- (3) Excludes 93,959 units previously reported as to which the performance-based hurdles had not been met.
- (4) Represents dividend equivalent rights accrued on the units previously earned pursuant to the Company's Long-Term Incentive Plan. Dividend equivalent rights are credited in notional units. See footnote (1) for economic rights of a notional unit.
- (5) The reporting person settled one-third of 97,363 units in cash and the remainder in common shares.

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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