AtlanticPower Corporation

Q4 and YE 2012 Earnings Conference Call

March 1, 2013

Cautionary Note Regarding Forward-looking Statements

To the extent any statements made in presentation contain information that is not historical, these statements are forward-looking statements or forward-looking information, as applicable, within the meaning of Section 27A of the U.S. Securities Act of 1933, as amended, and Section 21E of the U.S. Securities Exchange Act of 1934, as amended and under Canadian securities law (collectively "forward-looking statements"). These forward-looking statements relate to, among other things: Atlantic Power Corporation's ("AT", "Atlantic Power" or the "Company") expectations regarding the outcome of recontracting discussions related to certain projects; expectations regarding project cash flows; expectations regarding the completion of construction at the Piedmont project and expected date for commercial operation thereof; expectations regarding growth, acquisitions and leverage related to such acquisitions; expectations regarding the availability of tax equity investments; and outlook on growth at Atlantic Power.

Forward-looking statements can generally be identified by the use of words such as "should," "intend," "may," "expect," "believe," "anticipate," "estimate," "continue," "plan," "project," "will," "could," "would," "target," "potential" and other similar expressions. In addition, any statements that refer to expectations, projections or other characterizations of future events or circumstances are forward-looking statements. Although AT believes that the expectations reflected in such forward-looking statements are reasonable, such statements involve risks and uncertainties, should not be read as guarantees of future performance or results, and undue reliance should not be placed on such statements. Certain material factors or assumptions are applied in making forward-looking statements, including, but not limited to, third party projections of regional fuel and electric capacity and energy prices or cash flows that are based on assumptions about future economic conditions and courses of action as well as factors and assumptions set out below. Actual results may differ materially from those expressed or implied in such statements. Important factors that could cause actual results to differ materially from these expectations include, among other things: (i) the availability to AT of investment and acquisition opportunities; (ii) Atlantic Power's access to capital and the state of the capital markets; (iii) the amount of distributions expected to be received from the company's projects; (iv) the amount of dividends expected to be paid by AT in 2013; (v) the ability of the Company to syndicate its tax equity investment at Canadian Hills; (vi) the other risk factors relating to the Company and the power industry, as detailed from time to time in the Company's filings with the SEC and Canadian securities regulators. Additional information about these factors and about the material factors or assumptions underlying such forward-looking statements may be found in the Company's Form 10-K for the year ended December 31, 2012, as amended, under the section entitled "Risk Factors". These forward-looking statements are made as of the date of this communication and, except as expressly required by applicable law, AT assumes no obligation to update or revise them to reflect new events or circumstances.

Disclaimer – Non-GAAP Measures

There are non-GAAP measures used in this communication, including Project Adjusted EBITDA, Cash Available for Distribution and Payout Ratio. Atlantic Power believes that such non-GAAP measures are appropriate measures of the operating performance of Atlantic Power. Atlantic Power's calculation of these measures may differ from the methodology used by other issuers and, accordingly, may not be comparable to other issuers. Project Adjusted EBITDA is defined as project income plus interest, taxes, depreciation and amortization (including non-cash impairment charges) and changes in fair value of derivative instruments. Project Adjusted EBITDA is not a measure recognized under GAAP and is therefore unlikely to be comparable to similar measures presented by other issuers and does not have a standardized meaning prescribed by GAAP. Management uses Project Adjusted EBITDA at the Project-level to provide comparative information about project performance. A reconciliation of Project Adjusted EBITDA to project income is provided on slide 29. A reconciliation of cash flows from operating activities to Cash Available for Distribution is provided on slide 29. Investors are cautioned that the Company may calculate this measure in a manner that is different from other issuers.

The Company has not reconciled non-GAAP financial measures relating to the Projects Held for Sale to the directly comparable GAAP measures due to the difficulty in making the relevant adjustments on an individual project basis. The Company has not provided a reconciliation of forward-looking non-GAAP measures, due primarily to variability and difficulty in making accurate forecasts and projections, as not all of the information necessary for a quantitative reconciliation is available to the Company without unreasonable efforts.

All amounts in this presentation are in US$ unless otherwise stated.

Agenda

- 2012 Highlights
- Growth Strategy and Total Return Objectives
- Recent Review by Board
- Construction Update and Growth Outlook
- 2012 Financial Review and 2013 Guidance
- Wrap-Up and Q&A

2012 Highlights

- Record year for Project Adjusted EBITDA, Project Cash Distributions and Cash Available for Distribution
- Achieved dividend Payout Ratio of 100%, within our guidance range
- Added 450 MW operating capacity to our portfolio
  - 2,117 net MW in operation post all asset sales
- Canadian Hills project (300 MW, wind) on line in December
  - On budget and in time to qualify for production tax credits
  - Arranged tax equity financing in December; paid off $265 million construction loan
- Completed acquisition of Ridgeline Energy, renewable energy developer, in December
  - Meadow Creek project (120 MW, wind) went into commercial operation in December
- Advanced construction of Piedmont (53 MW, biomass); now expected on-line in March
- In January, announced agreement to sell three of our Florida plants for $136 million
- Increased average remaining PPA life by 58% to 11.4 years from 7.2 years, pro forma for asset sales and new plant additions

Committed to Attractive and Balanced Total Return

Solid growth

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- Leverage core competencies and proven track record
- Capitalize on attractive growth opportunities
  - Operating plants
  - Mid- to late-stage development projects
  - Ridgeline wind and solar development pipeline
- Target investment mix ~2/3 operating, ~1/3 construction and development
  - Accretive to cash flows and net beneficial to leverage
  - Focus on clean fuels, long-term PPAs, limited commodity exposure

Sustainable dividend

- More conservative Payout Ratio
  - Improved financial flexibility
  - Enhance our ability to deliver on strategic and financial objectives
  - Reduce leverage over time
- Sustainable over long term under a wide range of scenarios
- Stable income representing attractive yield
- Underpins growth component of total return

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Recent Developments Affecting Projections

- Ontario
  - Impact of higher TCPL tolls and reduced flows/ waste heat on project economics
  - Three projects have PPAs expiring in next few years
    - Tunis in 2014, Kapuskasing and North Bay in 2017
  - Not in first group of recontracting discussions with OPA
  - Process behind schedule; appears increasingly challenging
- Florida
  - Continued deterioration of recontracting feasibility
    - Not selected by Florida Progress in its RFP
    - TECO announced self-build combined-cycle plant
  - Decision to sell plants rather than operate on merchant basis
    - Loss of cash flows post-sale
- Lower recontracting expectations for Selkirk
  - Lower demand levels and power prices in New York
- Increased share of growth investments going into construction and development
  - Development spend upfront
  - Contribution of cash flows lags

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Update on Construction and Asset Sales

- Piedmont expected on line in late March
  - Repairs to steam turbine completed and restart is under way
  - Liquidated damages cover additional costs
  - Cash distributions now expected to average $6 to $8 million annually (lower REC values)
- Potential sequestration impacts on Piedmont and Meadow Creek
  - 1603 federal cash grant for Piedmont – have until YE 2013
  - Monitoring closely; should not have material impact
- Continuing portfolio rationalization program
  - Florida asset sale expected to close in March; net proceeds $111 million
  - Delta-Person sale expected to close in third quarter; net proceeds $9 million
  - Actively pursuing sales of Gregory and Path 15

Outlook for Acquisitions and Development

- Continued support for renewable energy
  - Renewable portfolio standards (RPS)
  - Tax credits recently extended one year (U.S.)
    - Production tax credit (PTC) or 30% investment tax credit (ITC) in lieu of PTC
    - Must begin construction in 2013
  - Focusing Ridgeline's efforts on wind and solar that can take advantage, including through acquisitions
  - Also reviewing potential Rollcast biomass project with long-term PPA
- Other target areas
  - Operating assets
  - Mid- to late-stage development and construction
  - Corporate acquisitions
- Acquisition opportunities look at least as strong as in 2012
- Expect to invest $140 to $150 million in 2H 2013

Operations and Portfolio Optimization

- Continuing to optimize performance of portfolio
  - 10-year extensions of PPA and fuel supply agreement at Nipigon
  - Installation of inlet fogging at Tunis to improve turbine efficiency
  - New programmable controller at Mamquam to reduce ramping and improve water flow
- Nipigon – replacement of Heat Recovery Steam Generator
  - Capitalized cost of $11 million
  - Plus higher maintenance expense and reduced output due to outage
- Other significant maintenance projects scheduled in 2013
  - Tunis gas turbine major maintenance
  - Mamquam turbine overhaul and Morris HRSG economizer
- 2013 major maintenance expense expected to be approximately $34 million, plus $11 million capitalized expenditure for Nipigon HRSG
  - 2012 major maintenance expense was $31.5 million

Presentation of “Assets Held for Sale”

- Income statement impacts
  - Included in “Income from discontinued operations”
  - Excluded from Revenues, Project Income and our calculation of Project Adjusted EBITDA

- Cash flow statement impacts
  - Cash flows received until closing
    - Included in “Cash flows from operating activities”
    - Included in our calculation of Cash Available for Distribution
  - For Florida asset sales, cash received from 1/1/13 through closing is deducted from purchase price
  - Adjusted asset sale proceeds included in “Cash flows from investing activities”

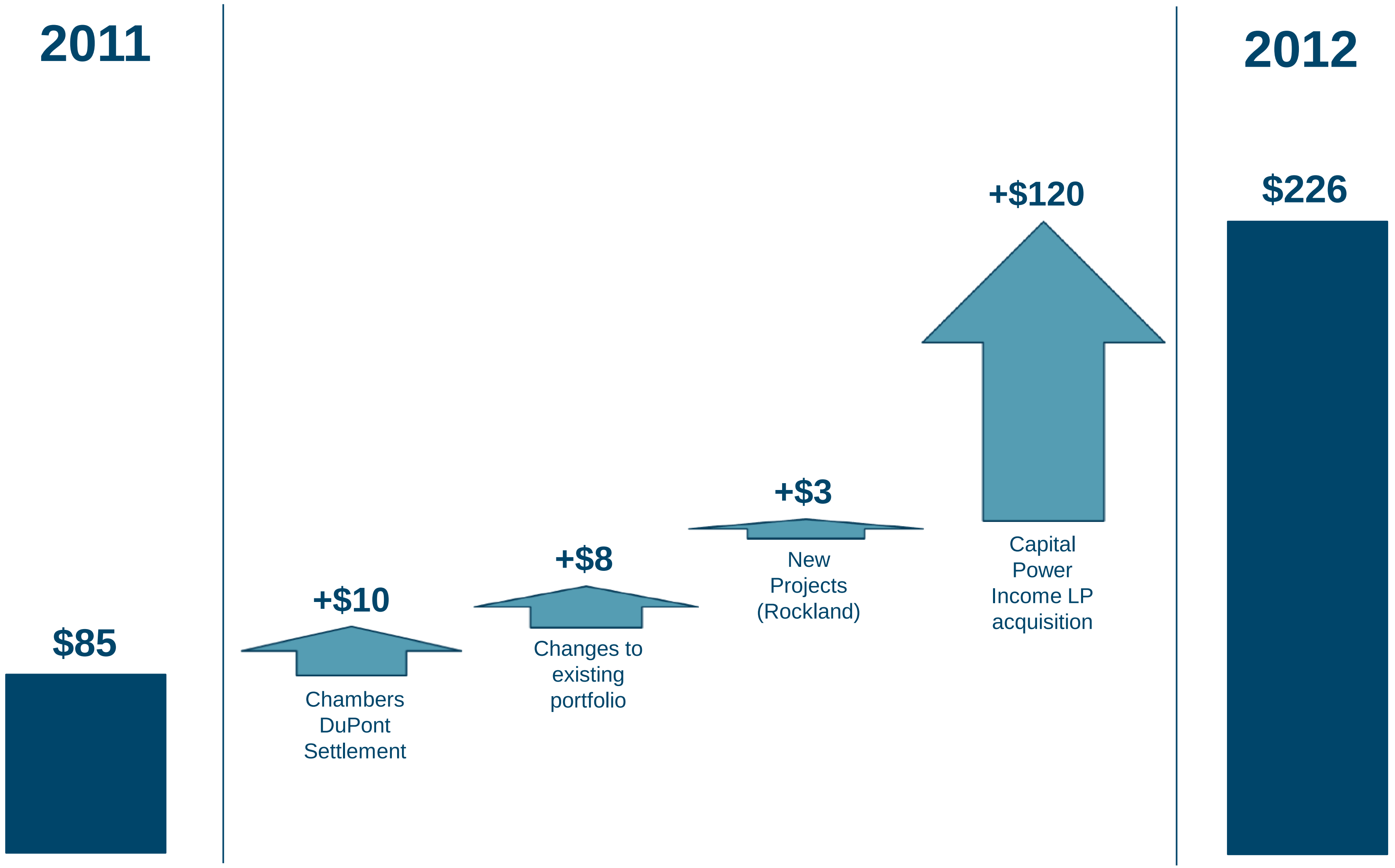
<u>Projects included in “Assets Held for Sale”:</u>

- Auburndale, Lake and Pasco (Florida projects)
- Path 15 (California transmission line)

<u>2012 Results of “Assets Held for Sale”:</u>

- Project Adjusted EBITDA: $106.9 million (excluded from calculation)
- Cash Available for Distribution: $77 million (included in calculation)

2012 Project Adjusted EBITDA ($ millions)



Full-Year 2012 Financial Results ($ millions)

	Twelve Months Ended December 31,		
	2012	2011	Incr./(Decr.)
Audited			
Project revenue (1)	$440.4	$93.9	$346.5
Project (loss) (1)	(31.9)	(5.4)	(26.5)
Cash flows from operating activities	167.1	55.9	111.1
Unaudited			
Project Adjusted EBITDA (1)	$225.6	$84.9	$140.7
Cash Available for Distribution	131.6	79.0	52.6
Total dividends declared to shareholders	131.8	86.4	45.5
Payout Ratio	100%	109%	N/A

(1) The Path 15, Auburndale, Lake and Pasco projects (the "Projects Held for Sale") have been classified as assets held for sale. Accordingly, the revenues, project (loss) and Project Adjusted EBITDA of these assets have been classified as discontinued operations for the years ended December 31, 2012 and 2011, which means that the results from these discontinued operations are excluded from these figures. Project income (loss) attributable to the Projects Held for Sale was $18.3 million for the year ended December 31, 2012, compared to $39.0 million for the same period in 2011. Project Adjusted EBITDA attributable to the Projects Held for Sale was $106.9 million for the year ended December 31, 2012, compared to $100.4 million for the same period in 2011. The Company has not reconciled non-GAAP financial measures relating to the Projects Held for Sale to the directly comparable GAAP measures due to the difficulty in making the relevant adjustments on an individual project basis.

Note: Project Adjusted EBITDA, Cash Available for Distribution and Payout Ratio are not recognized measures under GAAP and do not have any standardized meaning prescribed by GAAP; therefore, these measures may not be comparable to similar measures presented by other companies. Please refer to Slide 29 for Reg G reconciliations of these measures to GAAP.

Capitalization ($ millions)

	December 31, 2012	
Debt		
Senior secured credit facility	$67.0	
Senior unsecured notes	460.0	
Senior unsecured debt (Legacy CPILP)	626.1	
Project-level debt (non-recourse)	158.1	
Construction debt (non-recourse) (1)	336.1	
Convertible debentures	424.2	
Total debt	$2,071.6	69%
Preferred shares	221.3	7%
Common shares	729.6	24%
Total equity	950.9	
Total capitalization	$3,022.5	100%

(1) Included in construction debt: Meadow Creek $208.7; Piedmont $127.4
Portion of construction debt bridging 1603 cash grants: Meadow Creek $56.5; Piedmont $51.0

Liquidity ($ millions)

	December 31,	
	2012	2011
Cash and cash equivalents	$60.2	$60.7
Restricted cash	28.6	21.4
Total cash, cash equivalents and restricted cash	$88.8	$82.1
Revolving credit facility availability	120.1	134.7
Total liquidity	**$209.0**	**$216.8**

	Mid-2013
Unrestricted cash	$190 - $200
Less: planned cash reserve	$50
Revolver capacity less letters of credit	$210 - $225
Total liquidity	**$350 - $375**
Cash available for investment without drawing on revolver	$140 - $150

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2013 Guidance vs. 2012 Actual ($ millions)

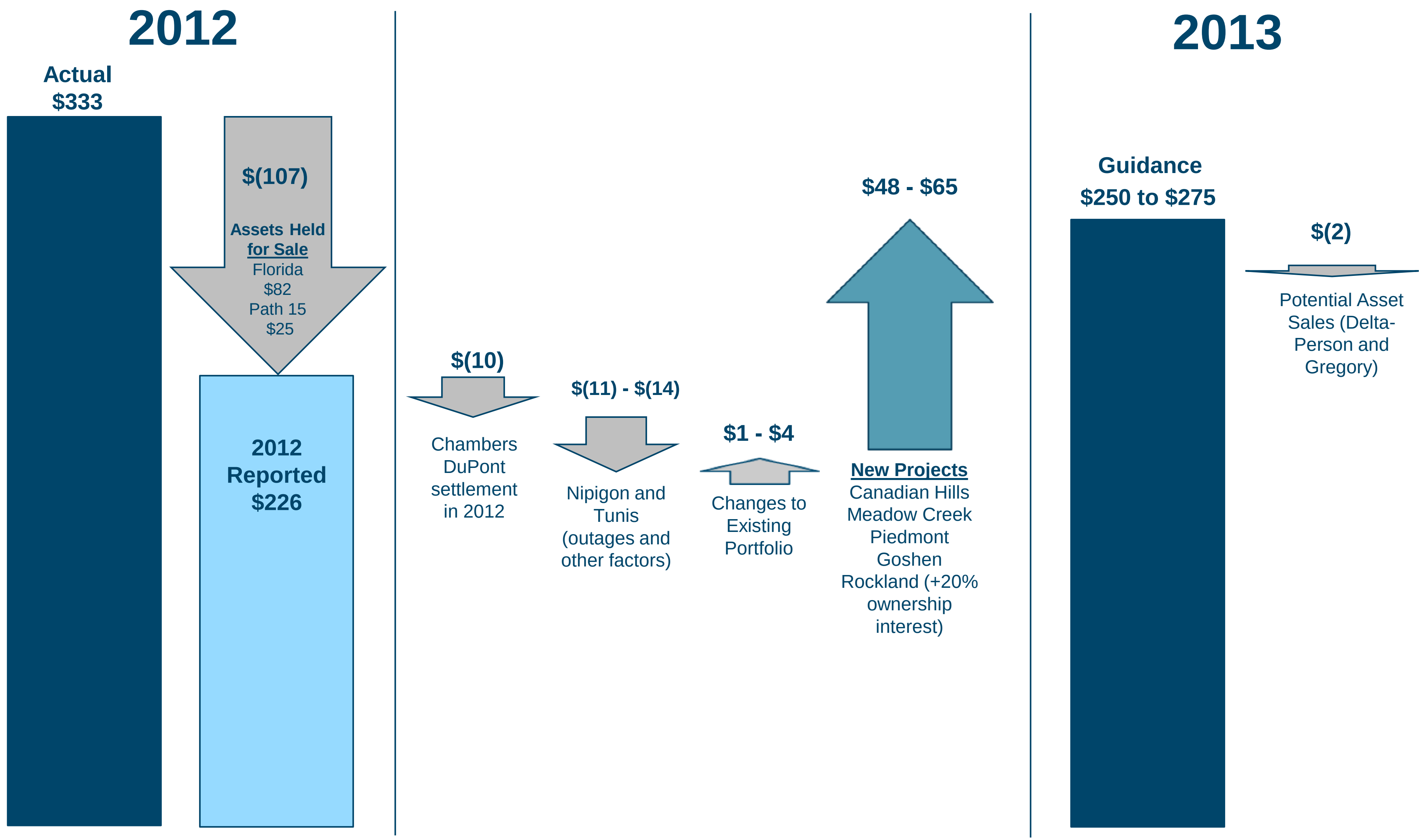
	2013	2012
Project Adjusted EBITDA (1)	$250 - $275	$226
Cash Available for Distribution (2)	$85 - $100	$132
Total dividends declared to shareholders	$63	$132
Payout Ratio	65% - 75%	100%

(1) The Path 15, Auburndale, Lake and Pasco projects have been classified as assets held for sale. Accordingly, the Project Adjusted EBITDA of these assets has been classified as discontinued operations for the year ended December 31, 2012, which means that the results from these discontinued operations are excluded from this figure.

(2) Includes $77 million and approximately $44 million in 2012 and 2013, respectively, attributable to assets held for sale.

Note: Project Adjusted EBITDA, Cash Available for Distribution and Payout Ratio are not recognized measures under GAAP and do not have any standardized meaning prescribed by GAAP; therefore, these measures may not be comparable to similar measures presented by other companies. Please refer to Table 7 for Reg. G reconciliations of these measures to GAAP. The Company has not provided a reconciliation of forward-looking non-GAAP measures, due primarily to variability and difficulty in making accurate forecasts and projections, as not all of the information necessary for a quantitative reconciliation is available to the Company without unreasonable efforts.

Project Adjusted EBITDA ($ millions)



Cash Available for Distribution ($ millions)

	2012 Actual			2013 Guidance		
	Total	Disc. Ops.	Cont'g. Ops.	Total	Disc. Ops.	Cont'g. Ops.
Project Adjusted EBITDA	333	107	226	280 - 305	30	250 - 275
Project debt service	(79)	(27)	(52)	(72)	(1)	(71)
Corporate debt costs [1]	(104)	0	(104)	(107)	0	(107)
Capitalized maintenance capex [2]	(3)	(2)	(1)	(13)	0	(13)
Corporate G&A & other	(28)	0	(28)	(38) - (40)	0	(38) – (40)
Changes in working capital & other	13	(1)	14	27 - 35	15	12 - 20
Cash Available for Distribution	**132**	**77**	**55**	**85 - 100**	**44**	**41 - 56**

Footnotes:

[1] Includes cost of preferred equity

[2] 2013 guidance includes $11 million to replace HRSG at Nipigon (capitalized)

Dividend Payout Ratio Guidance for 2013

Actual Basis

Dividend rate	
2 months @	Cdn$0.09583
10 months @	Cdn$0.03333
($US millions)	
Total dividend	$63
Cash Available for Distribution	$85 - $100
Payout Ratio	**65% - 75%**

Pro Forma Basis

Dividend rate	
12 months @	Cdn$0.03333
($US millions)	
Total dividend	$48
Cash Available for Distribution	$85 - $100
Less: Cash from Disc. Ops.	$44
Cash from Cont'g. Ops. Only	$41 - $56
Payout Ratio [(1)]	**~100%**

Annualizing the new rate

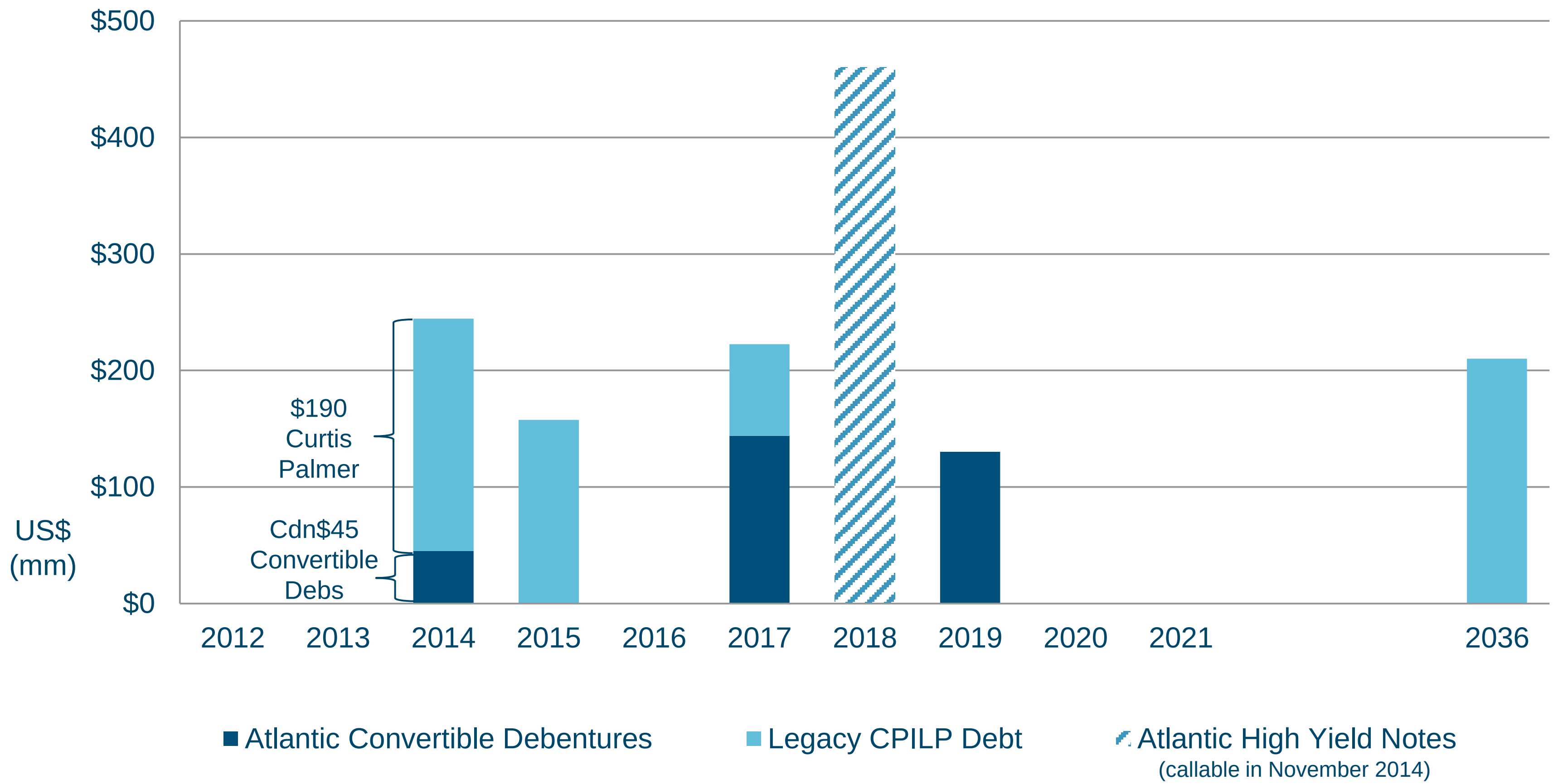
Remove cash flow attributable to assets held for sale

[(1)] Using midpoint of Cash Available for Distribution guidance

Capital Structure Management

- Plan to delever gradually over time
- Project debt amortizes over life of project’s PPA (helps to delever)
- Refinance Partnership debt at parent with 50/50 debt/equity
- Other potential initiatives to reduce leverage
  - Tax equity stimulus at Piedmont and Meadow Creek to monetize tax benefits
  - Structure new Ridgeline projects with tax equity stimulus
  - Target growth projects with lower leverage
- Growth capital (beyond $140 to $150 million)
  - Conservative leverage: Targeting 50% project debt / 50% capital raised (equity or converts)
  - Flexibility to issue debt at corporate or project level

Corporate Debt Maturity Schedule



Key Investment Considerations

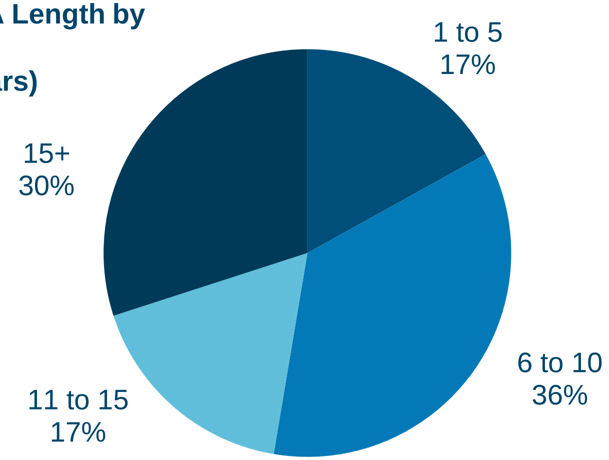
- Diversified portfolio – fuels, markets, counterparties
- Stable contracted cash flows; remaining PPA life 11.4 years
- Environmentally-friendly fuel mix; increasing renewables
- Proactive asset management approach
- Conservative risk management
- Reducing leverage over time
- Sustainable dividend and attractive yield
- Disciplined growth strategy; focus on accretive deals

Appendix

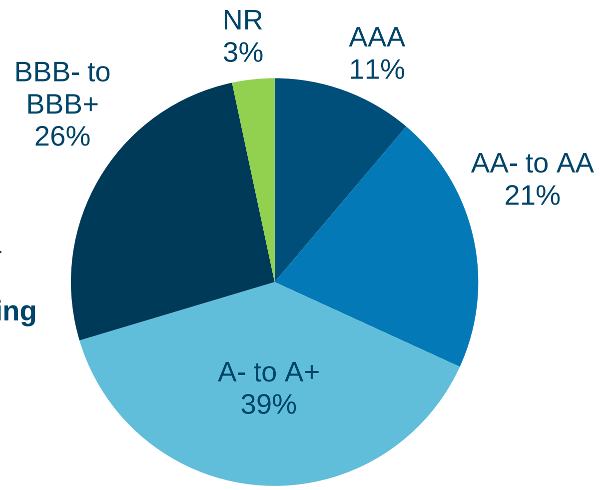
Cash Flows Supported by Contracted Generation

AT's portfolio has an average remaining PPA life of 11.4 years (1)

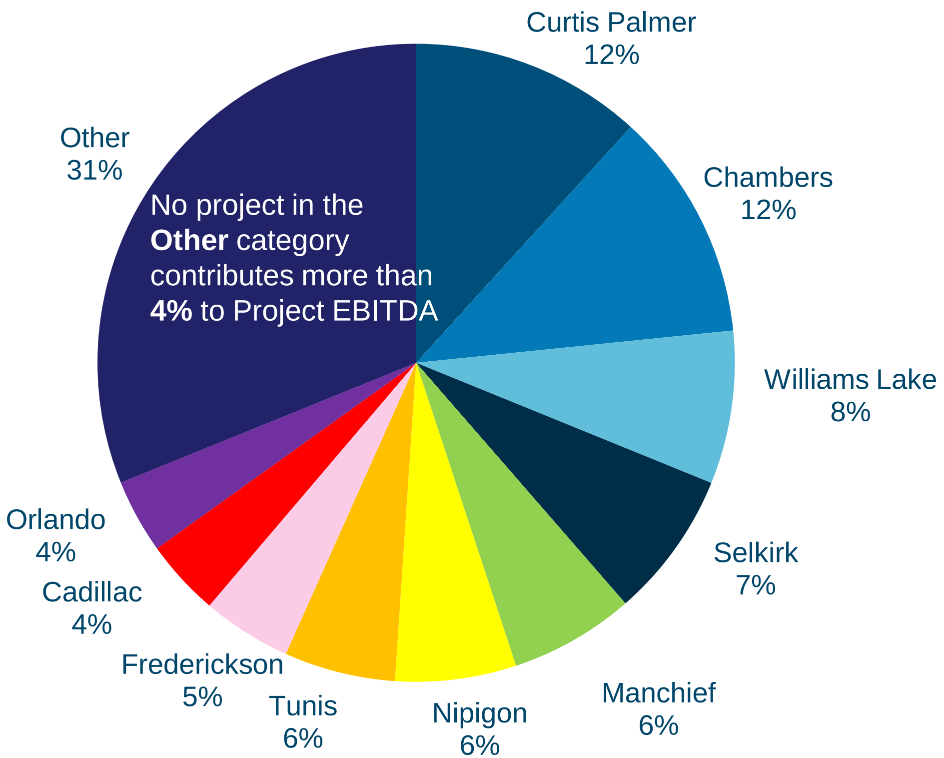
PPA Length by MW (years)



Pro Forma Offtaker Credit Rating by 2012 Adjusted Project EBITDA



No single project contributed more than 12% to 2012 Adjusted Project EBITDA(2)



(1) Excludes Auburndale, Delta-Person, Lake, Pasco, and Path 15 but includes Piedmont, which is under construction, and is weighted by MW as of 2/28/13.

(2) Based on $226 million in Project Adjusted EBITDA for the twelve months ended December 31, 2012; does not include Project Adjusted EBITDA for Auburndale, Lake, Pasco or Path 15, as they are currently being held for sale. Unallocated corporate expenses are excluded from project percentage allocation.

Capital Structure 12/31/12 ($ millions)

Atlantic Power Corporate Debt

	Maturity	Amount
Senior Credit Facility	2015	$300
APC Unsecured Notes	2018	$460
APC Convertible Debentures	2014	C$45.8
APC Convertible Debentures	2017	C$67.4
APC Convertible Debentures	2017	C$80.5
APC Convertible Debentures	2019	$130
APC Convertible Debentures	2019	C$100
APLP Debt	2036	C$210

CPILP U.S. Assets

	Maturity	Amount
Curtis Palmer	2014	$190
AP US GP Notes	2015	$150
AP US GP Notes	2017	$75
Preferred shares	N/A	C$125
Preferred shares	N/A	C$100

CPILP Canadian Assets

AT Assets without Project Debt

AT Assets with Project Debt

$487 Existing Project Debt (1)

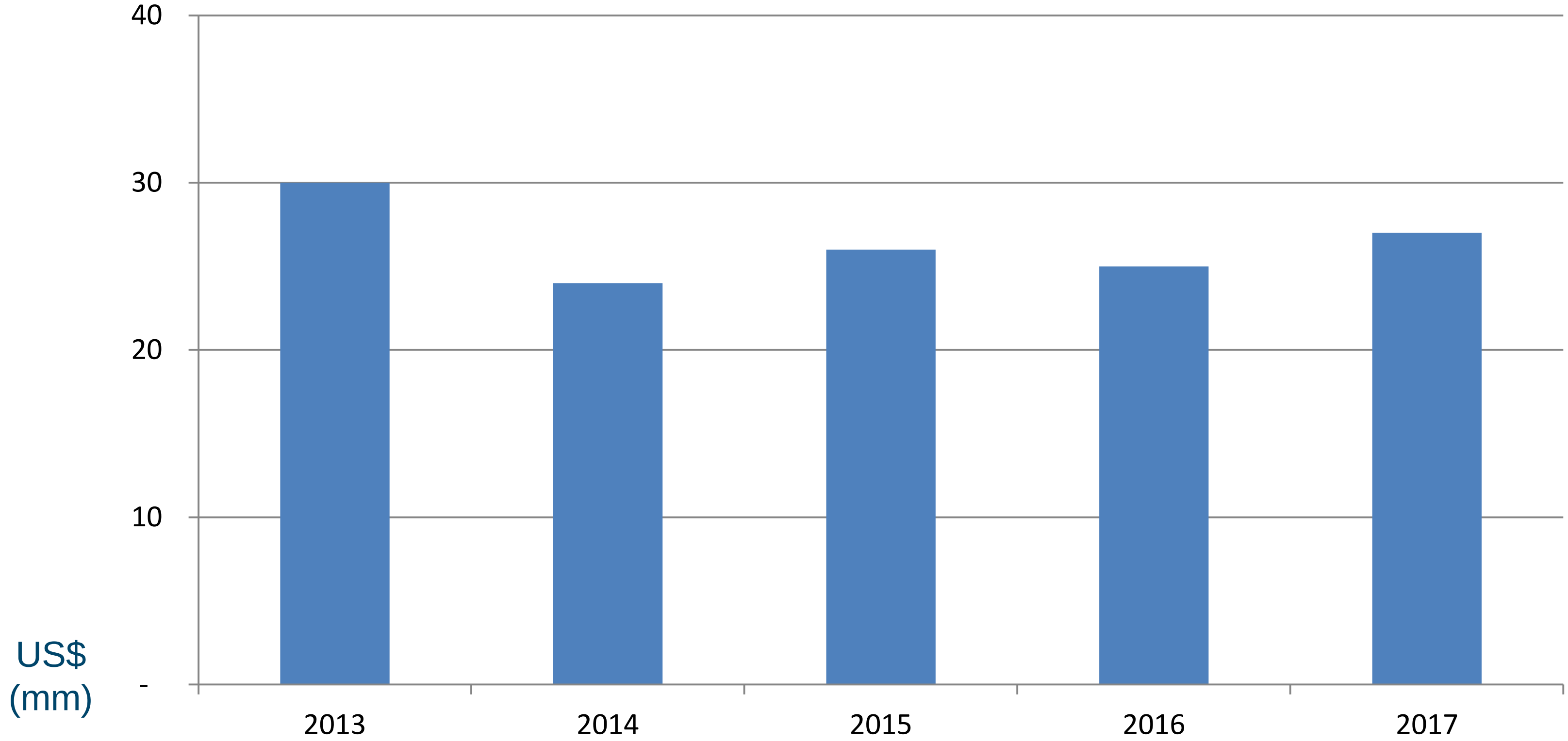
- Current book Debt-to-Capital is 69%, but includes short-term construction debt at Piedmont and Meadow Creek that we expect to be taken out by the federal 1603 grant program in 2013
- AT plans to refinance CPILP indebtedness with a mix of 50/50 debt and equity at the corporate parent level as it matures, beginning with the $190MM Curtis Palmer, due 2014

(1) Includes minority-owned project debt of $144M, accounts for repayment of Piedmont's $51 million bridge loan in 2013 using federal grant proceeds and the repayment of approximately $57 million of Meadow Creek's construction debt in 2013 using federal grant proceeds, and is adjusted to reflect the Company's 50% ownership interest in its consolidated Rockland Wind project; excludes debt at Curtis Palmer; excludes debt at Path 15 and Auburndale, as they are classified as assets held for sale.

Project Level Debt Amortization

Atlantic's debt structure has a balance of project level non-recourse debt that amortizes over the life of the project assets

AT Existing Non-Recourse Project Level Debt Repayment Schedule [1]



[1] Does not include the repayment of Piedmont's $51 million bridge loan in 2013 using federal grant proceeds or the repayment of approximately $57 million of Meadow Creek's project-level debt in 2013 using federal grant proceeds. In addition, project-level debt at the projects classified as held for sale, Path 15 and Auburndale, has been excluded, and debt at our consolidated Rockland Wind project has been adjusted to reflect our 50% ownership interest.

Canadian Hills

300MW wind project outside of Oklahoma City, OK

- Commercial Operation achieved in December 2012
- Project has five 20 to 25 year PPAs with strong counterparties
- Project is expected to contribute $15 to $19 million in cash distributions starting in 2013 and through 2020, after which time we anticipate distributions to increase
- $270 million in tax equity investments committed in December 2012; $44 million from Atlantic and the remaining from other tax equity investors
- We expect to syndicate our tax equity investment in the first half of 2013

Piedmont Green Power

53MW biomass project outside of Atlanta, GA

- Commercial operation delayed due to issues discovered in late-stage testing
- Repaired steam turbine rotor is on site and being tested
- Project is expected to commence commercial operations in March 2013 and is within budget
- 20 year PPA with Georgia Power with fuel price pass-through mechanism
- Project is expected to contribute $6 to $8 million in cash distributions for each full year

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Regulation G Disclosures

Project Adjusted EBITDA is defined as project income plus interest, taxes, depreciation and amortization (including non-cash impairment charges) and changes in fair value of derivative instruments. Project Adjusted EBITDA is not a measure recognized under GAAP and is therefore unlikely to be comparable to similar measures presented by other issuers and does not have a standardized meaning prescribed by GAAP. Management uses Project Adjusted EBITDA at the Project-level to provide comparative information about project performance. A reconciliation of Project Adjusted EBITDA to project income is provided below. Investors are cautioned that the Company may calculate this measure in a manner that is different from other issuers. Cash Available for Distribution and Payout Ratio are not a measures recognized under U.S. generally accepted accounting principles ("GAAP") and do not have a standardized meaning prescribed by GAAP. Management believes Cash Available for Distribution is a relevant supplemental measure of the Company's ability to earn and distribute cash returns to investors. A reconciliation of Cash Flows from Operating Activities to Cash Available for Distributions is provided below. Investors are cautioned that the Company may calculate this measure in a manner that is different from other companies.

(Unaudited)

		Years ended Dec 31,	
	2012	**2011**	**2010**
Project Adjusted EBITDA	$225,570	$84,911	$53,915
Depreciation and amortization	164,958	55,608	25,493
Interest expense, net	24,122	15,178	9,613
Change in the fair value of derivative instruments	56,579	17,152	321
Other (income) expense	11,819	2,416	3,642
Project income (loss)	$(31,908)	$(5,443)	$14,846
Administrative and other expenses (income)	112,954	77,479	26,810
Income tax expense (benefit)	(28,083)	(11,104)	16,018
Income from discontinued operations, net of tax	16,459	36,117	24,127
Net loss	$(100,320)	$(35,641)	$(3,855)
Adjustments to reconcile to net cash provided by operating activities	264,709	103,842	83,851
Change in other operating balances	2,689	(12,266)	6,957
Cash provided by operating activities	$167,078	$55,935	$86,953
Project-level debt repayments	(19,574)	(21,589)	(18,882)
Purchases of property, plant and equipment (1)	(2,902)	(2,035)	(2,549)
Transaction costs (2)	-	33,402	-
Realized foreign currency losses on hedges associated with the Partnership transaction (3)	-	16,492	-
Dividends on preferred shares of a subsidiary company	(13,049)	(3,247)	-
Cash Available for Distribution (4)	$131,553	$78,958	$65,522
Total cash dividends declared to shareholders	131,832	86,357	65,648
Payout Ratio	100%	109%	100%

(1) Excludes construction-in-progress costs related to our Piedmont biomass project and construction costs for our completed Canadian Hills project; (2) Represents costs incurred associated with the Partnership acquisition.; (3) Represents realized foreign currency losses associated with foreign exchange forwards entered into in order to hedge a portion of the foreign currency exchange risks associated with the closing of the Partnership acquisition; (4) Cash Available for Distribution is not a recognized measure under GAAP and does not have any standardized meaning prescribed by GAAP. Therefore, this measure may not be comparable to similar measures presented by other companies. See "Supplementary Non-GAAP Financial Information" above.