UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, DC 20549

FORM 8-K

CURRENT REPORT
Pursuant to Section 13 or 15(d)
of the Securities Exchange Act of 1934

Date of report (Date of earliest event reported): June 15, 2011 (June 15, 2011)

Arch Coal, Inc.

(Exact name of registrant as specified in its charter)

Delaware	1-13105	43-0921172
(State or other jurisdiction of incorporation)	(Commission File Number)	(I.R.S. Employer Identification No.)

CityPlace One
One CityPlace Drive, Suite 300
St. Louis, Missouri 63141
(Address, including zip code, of principal executive offices)

Registrant's telephone number, including area code: (314) 994-2700

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

o Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

o Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

o Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

o Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 7.01 Regulation FD Disclosure.

On June 15, 2011, Deck Slone, Vice President — Government, Investor and Public Affairs of Arch Coal, Inc. (the "Company"), will deliver a presentation at the Deutsche Bank Global Industrials and Basic Materials Conference. The slides from the presentation are attached as Exhibit 99.1 hereto and are hereby incorporated by reference.

The information contained in Item 7.01 and the exhibits attached hereto shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), or otherwise subject to the liabilities of that section, nor shall they be deemed incorporated by reference in any filing under the Securities Act of 1933, as amended (the "Securities Act") or the Exchange Act, except as shall be expressly set forth by specific reference in such a filing.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

The following exhibits are attached hereto and filed herewith.

Exhibit No.	Description
99.1	Slides from the Deutsche Bank Global Industrials and Basic Materials Conference.

Signatures

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Dated: June 15, 2011	Arch Coal, Inc.
	By: /s/ Robert G. Jones
	Robert G. Jones Senior Vice President — Law, General Counsel and Secretary

Exhibit Index

Exhibit No.	Description
99.1	Slides from the Deutsche Bank Global Industrials and Basic Materials Conference.

Exhibit 99.1

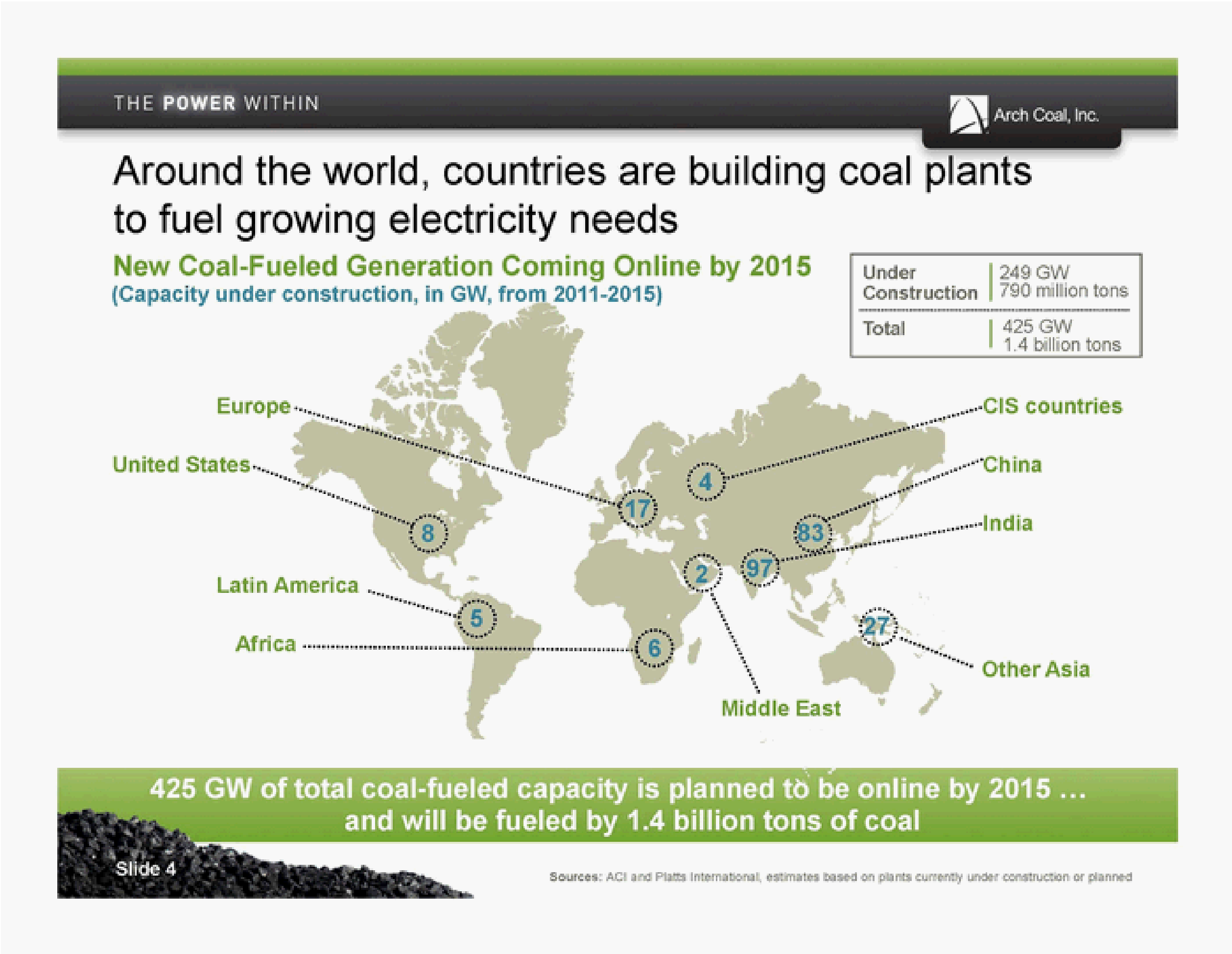

THE POWER WITHIN
Deutsche Bank Global Industrials and Basic Materials Conference
DECK SLONE
VP – Government, Investor and Public Affairs
Arch Coal, Inc.
Arch Coal, Inc.
Chicago | 06.15.2011

Forward-Looking Information

This presentation contains "forward-looking statements" – that is, statements related to future, not past, events. In this context, forward-looking statements often address our expected future business and financial performance, and often contain words such as "expects," "anticipates," "intends," "plans," "believes," "seeks," or "will." Forward-looking statements by their nature address matters that are, to different degrees, uncertain. For us, particular uncertainties arise from changes in the demand for our coal by the domestic electric generation industry; from legislation and regulations relating to the Clean Air Act and other environmental initiatives; from operational, geological, permit, labor and weather-related factors; from fluctuations in the amount of cash we generate from operations; from future integration of acquired businesses (including the ICG business); and from numerous other matters of national, regional and global scale, including those of a political, economic, business, competitive or regulatory nature. These uncertainties may cause our actual future results to be materially different than those expressed in our forward-looking statements. We do not undertake to update our forward-looking statements, whether as a result of new information, future events or otherwise, except as may be required by law. For a description of some of the risks and uncertainties that may affect our future results, you should see the risk factors described from time to time in the reports we file with the Securities and Exchange Commission.

This presentation includes certain non-GAAP financial measures, including Adjusted EBITDA. These non-GAAP financial measures are not measures of financial performance in accordance with generally accepted accounting principles and may exclude items that are significant in understanding and assessing our financial results. Therefore, these measures should not be considered in isolation or as an alternative to net income from operations, cash flows from operations, earnings per fully-diluted share or other measures of profitability, liquidity or performance under generally accepted accounting principles. You should be aware that our presentation of these measures may not be comparable to similarly-titled measures used by other companies. Please see the reconciliation included at the end of this presentation.

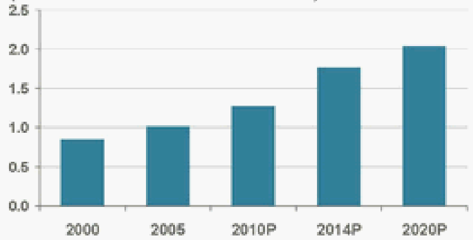

THE POWER WITHIN
Arch Coal, Inc.
Outlook for
Coal Markets


THE POWER WITHIN
Arch Coal, Inc.
Around the world, countries are building coal plants to fuel growing electricity needs
New Coal-Fueled Generation Coming Online by 2015
(Capacity under construction, in GW, from 2011-2015)
Under Construction
249 GW
790 million tons
Total
425 GW
1.4 billion tons
Europe
17
United States
8
Latin America
5
Africa
6
CIS countries
4
China
83
India
97
Middle East
2
Other Asia
27
425 GW of total coal-fueled capacity is planned to be online by 2015 …
and will be fueled by 1.4 billion tons of coal
Slide 4
Sources: ACI and Platts International, estimates based on plants currently under construction or planned

We expect continued strength in met coal markets – and seaborne coal supply shortages

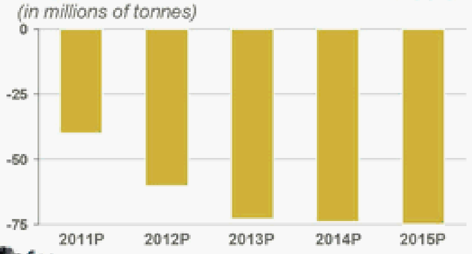
Growth in World Steel Consumption

(in billions of tonnes of finished steel)



Projected Deficit in Seaborne Coal Supply Trade

(in millions of tonnes)



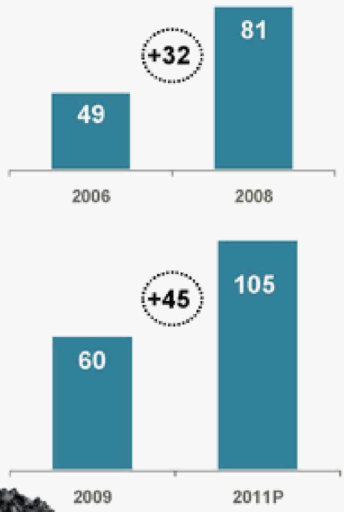
- Growth in world steel consumption is projected to increase approximately **60 percent** during the next decade – with Asia expected to drive met coal demand going forward
- With production and transportation constraints, **global met coal supply will remain tight** for the next five years and likely beyond
- Internal forecasts suggest that global seaborne coal markets will be **under-supplied** through at least 2015
  - One-third of projected supply deficit is in met coal markets; two-thirds relates to steam coal

Sources: World Steel Association and ACI


THE POWER WITHIN
Arch Coal, Inc.
We expect U.S. coal export volumes to more than double by 2015
2010 | 81* million tons
2015 | 173* million tons
West Coast
Ridley
Westshore
MBT
SSA
42 million tons
5 million tons
Overland Shipments
11
million tons
East Coast
CNX Marine
Baltimore/CSX
Lamberts Point/NS
Pier IX
DTA
Charleston
79 million tons
46 million tons
Gulf of Mexico
Mobile, AL
LA – IMT
LA – Davant
LA – IC Rail Marine
Houston
Burnside
Mid-streaming
41 million tons
19 million tons
2010 U.S. seaborne coal exports
Projected U.S. seaborne coal exports
Sources: ACI, National Mining Association
* Includes overland shipments to Canada/Mexico
Slide 6

Modest increases in export activity can have significant market implications

Increase in U.S. Coal Exports
(2006 to 2008 versus 2009 to 2011P, in million tons)



- Arguably the **most significant driver** in the 2008 market run-up was a 32-million-ton increase in U.S. exports from 2006 to 2008
- U.S. exports appear to be in the midst of an **even greater expansion** at present
- The market implications of such an increase could prove **dramatic**

Sources: NMA and ACI

Even with potential U.S. coal plant retirements, growth opportunity could prove significant in coming decade

Theoretical Demand Additions and Offsets versus 2010

(in millions of tons)

Potential retirements over next decade (revised downside case)[1]	(30) – (50)
Potential lost consumption to competing fuels, such as natural gas	(20) – (40)
Increasing utilization at surviving plants by 4 to 6 percentage points[2]	55 – 85
Potential incremental demand from plants now under construction[3]	20 – 30
Incremental export potential by 2015 (including West Coast moves)[4]	82 – 102
Potential range (sub-total)	67 – 167

Theoretical Additional Opportunity for Non-CAPP Thermal Coal

Further rationalization in Central Appalachia (by 2015)	20 – 30
Expected cross-over tons for U.S. met market (by 2015)	3 – 7
Potential range (total)	90 – 204

1. Arch's revised downside case reflects EPA's recent HAPS MACT proposal; a mid-point of 35 GWs of coal plant retirements by 2020; and mid-point coal consumption at those at-risk plants in 2010 of 40 million tons.
2. Surviving plants are likely to be the most modern and most efficient, with greatest capability to operate at higher capacity factors.
3. Reflects 8.5 GWs of coal-based capacity currently under construction and slated to come online in 2011-2014.
4. Reflects east coast exports growing to mid-point of 79 million tons by 2015; gulf exports growing to mid-point of 41 million tons by 2015; and PRB exports growing to mid-point of 42 million tons via Washington State, Canada and the Gulf of Mexico by 2015.


THE POWER WITHIN
Arch Coal, Inc.
230
230
The New Arch Coal

Arch has created a U.S. coal industry powerhouse – and a world-class global thermal and met coal franchise

1. Leading Met Coal Supplier	2nd largest U.S. (top 10 global) met producer Blending synergies will optimize met franchise Significant reserve expansion opportunities
2. Growth Profile	25% reserve boost to create #2 U.S. coal reserve holder 85% increase in met coal volumes by 2015 Build out of thermal platform in new basins and for export
3. Market Leverage	Major producer in under-supplied met markets Highly levered to improving domestic thermal markets Growing player in robust seaborne thermal markets
4. Most Diversified U.S. Producer	Operations in every major supply basin Strategically balanced met/thermal portfolio #1 or #2 position in core operating regions
5. Culture Fit	Shared culture of safety and environmental commitment Low-cost operations in every major domestic supply basin UMWA-free workforce with minimal legacy liabilities
6. Strategic Transaction	Accretive to EPS in first full year after close Estimated annual synergies of $70-80 million (1) Substantial pro forma free cash flow generation

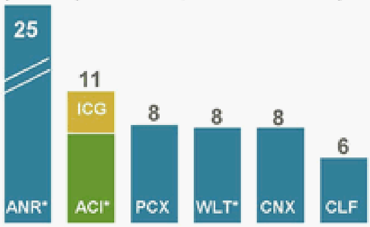
Pro forma for acquisition

(1) Beginning in 2012

Arch is the 2nd largest U.S. met coal producer – and a top 10 global met supplier

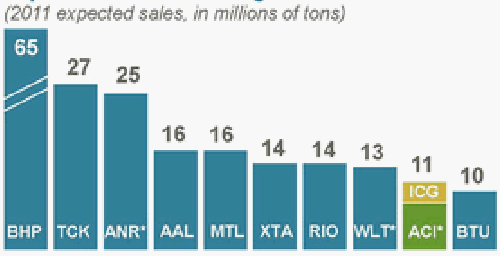
Top Five U.S. Metallurgical Coal Producers

(2011 expected sales, in millions of tons)



Top Ten Global Metallurgical Coal Producers

(2011 expected sales, in millions of tons)



- Arch will have **significant scale** and **leverage** in domestic and international met coal markets
- With optimal use of Arch's existing export capabilities, the combined company will become a **larger met coal seaborne supplier**
- Future **growth opportunities** at the combined entity will likely **lift met volume levels** meaningfully over the next five years
- **Undeveloped high-vol "A" met coal reserves** should allow Arch to become an even larger global supplier of met coal

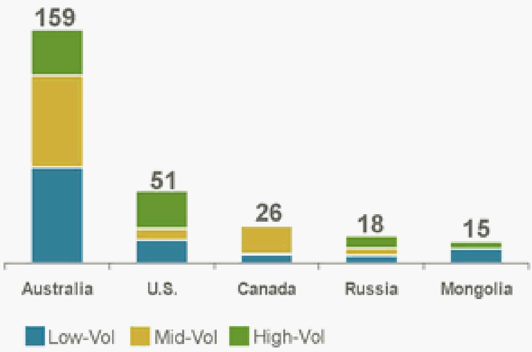
Sources: ACI, Wall Street Research and Public Data

* Pro Forma for ACI, ANR and WLT

WLT in U.S. chart excludes Canadian production

Arch can expand customer offerings through optimal met coal blending opportunities

2010 Seaborne Metallurgical Coal Supply
(in millions of tonnes)



- The U.S. is a **significant supplier of seaborne metallurgical coal** – second only to Australia
- Blending Arch's large volume of high-vol coal with ICG's complementary quality coals:
  - Maximizes value of combined company's coals in **seaborne trade** via Arch's existing and expanding port access
  - Creates **synthetic mid-vol** coals, which command highest market premium
  - **Optimizes blending** and **expands product offerings** in low, mid and high-vol segments

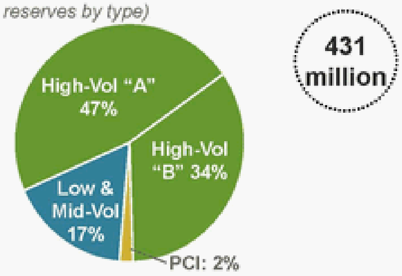
Sources: Wood-Mac and ACI

Arch has one of the most extensive and highest quality met coal reserve bases in the U.S. coal industry

- Arch has a substantial, **high-quality met coal reserve base**
  - Beckley is a **high-quality, low-vol coal** that should trade at near parity with Peak Downs
  - Vindex is a quality, **low-vol** met coal
  - Sentinel is a **high-vol "A"** coal, superior to the Gregory brand
  - Upside in high-vol "A" segment as Tygart Valley comes online
  - Mountain Laurel/Buckhannon compete in the **high-vol "B"** segment, on par with Gregory
  - Lone Mountain is a good **PCI** coal; will move Powell Mountain as PCI (same or similar coal seams)

Arch's Pro Forma Met Coal Reserves

(% of met reserves by type)



Metallurgical Coal Benchmark Pricing

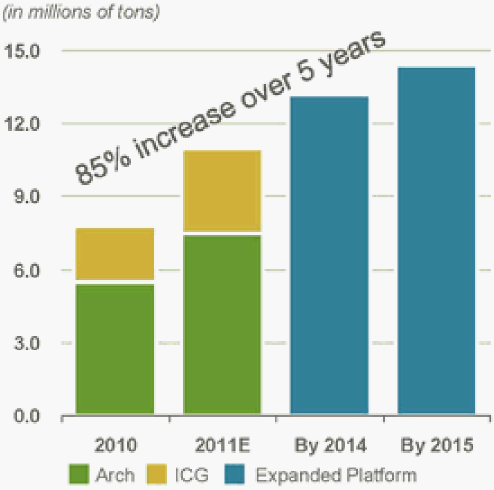
($/tonne, real 2011 dollars)

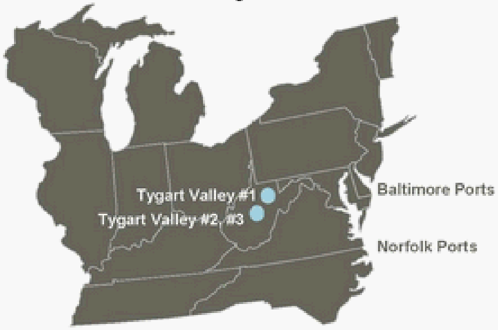
* Expected price based on Anglo's settlement of German Creek

Sources: AME and ACI

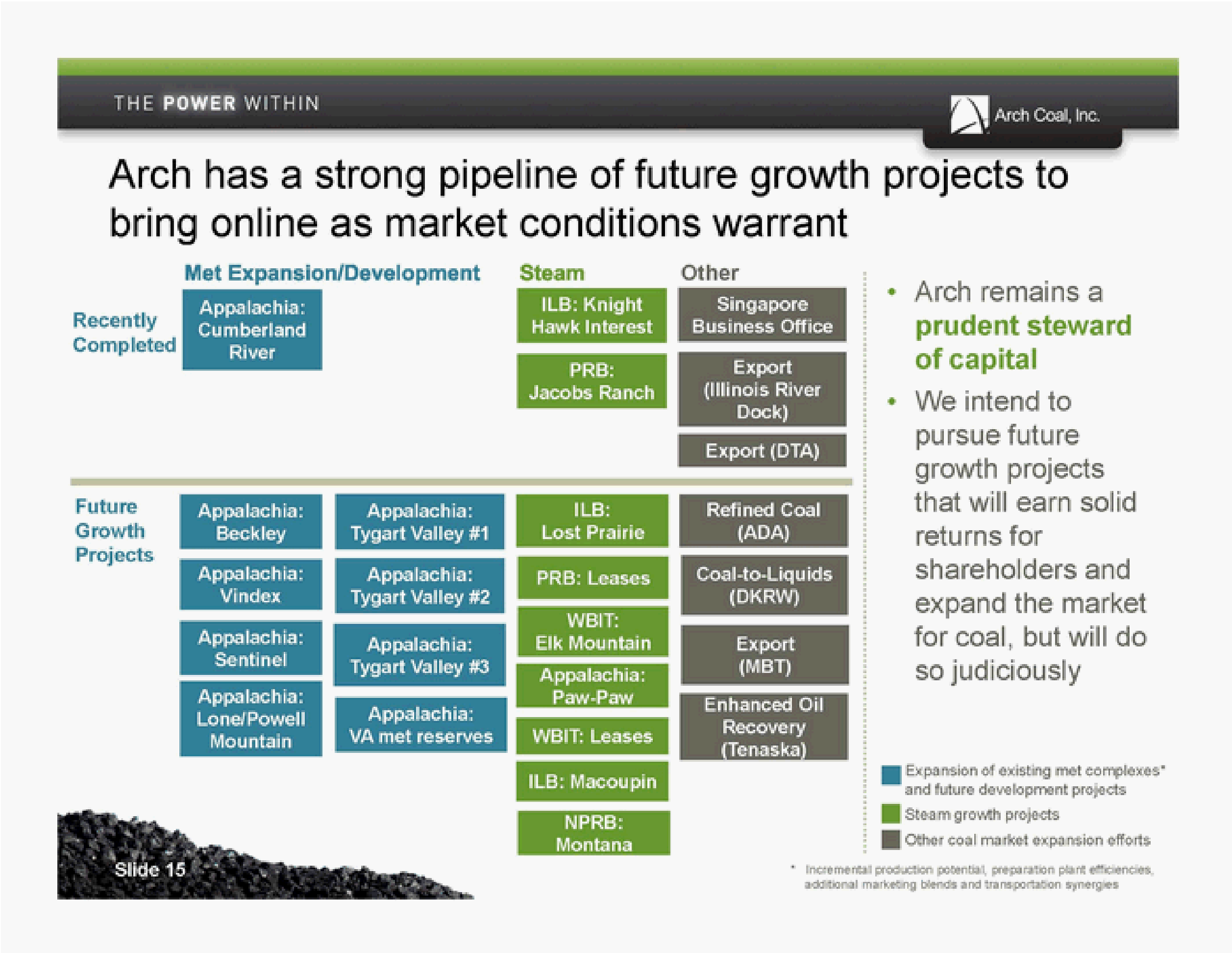
Tygart Valley provides an attractive growth opportunity to nearly double Arch's met coal volumes by 2014

Metallurgical Coal Volumes
(in millions of tons)

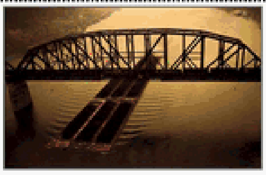


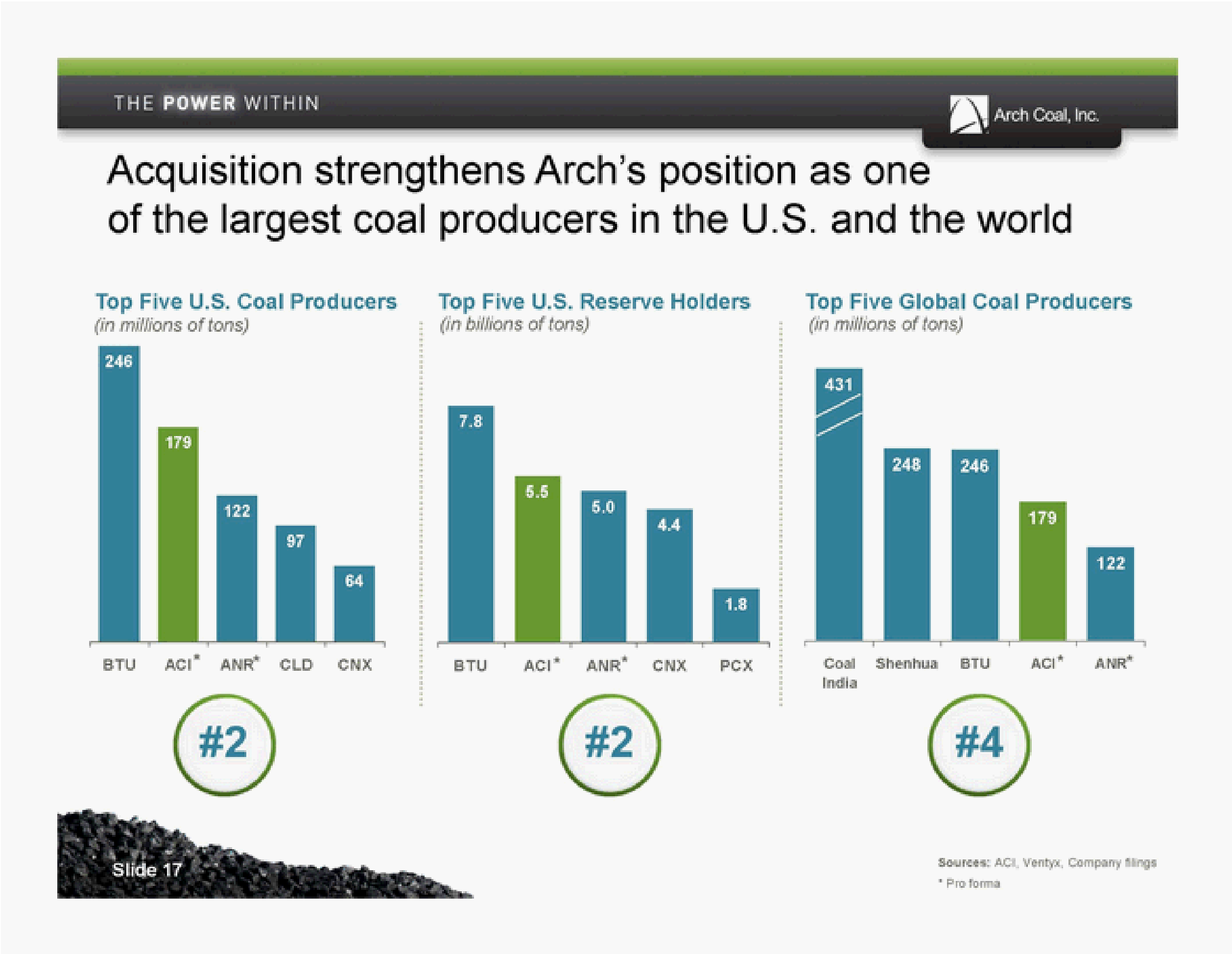


- **Tygart Valley No. 1** mine will boost future metallurgical coal volumes by 2014
- Portfolio of Mountain Laurel and Tygart coal mines will create **world-class metallurgical coal asset base**
- **Undeveloped high-vol "A" reserves** (115 million tons) create opportunities for further volume growth over next five years
  - Will begin permitting immediately


THE POWER WITHIN
Arch Coal, Inc.
Arch has a strong pipeline of future growth projects to bring online as market conditions warrant
Met Expansion/Development
Steam
Other
Recently Completed
Appalachia: Cumberland River
ILB: Knight Hawk Interest
PRB: Jacobs Ranch
Singapore Business Office
Export (Illinois River Dock)
Export (DTA)
Future Growth Projects
Appalachia: Beckley
Appalachia: Vindex
Appalachia: Sentinel
Appalachia: Lone/Powell Mountain
Appalachia: Tygart Valley #1
Appalachia: Tygart Valley #2
Appalachia: Tygart Valley #3
Appalachia: VA met reserves
ILB: Lost Prairie
PRB: Leases
WBIT: Elk Mountain
Appalachia: Paw-Paw
WBIT: Leases
ILB: Macoupin
NPRB: Montana
Refined Coal (ADA)
Coal-to-Liquids (DKRW)
Export (MBT)
Enhanced Oil Recovery (Tenaska)
• Arch remains a prudent steward of capital
• We intend to pursue future growth projects that will earn solid returns for shareholders and expand the market for coal, but will do so judiciously
Expansion of existing met complexes* and future development projects
Steam growth projects
Other coal market expansion efforts
* Incremental production potential, preparation plant efficiencies, additional marketing blends and transportation synergies
Slide 15

Arch will continue to play a growing role in the global seaborne met and thermal coal trade

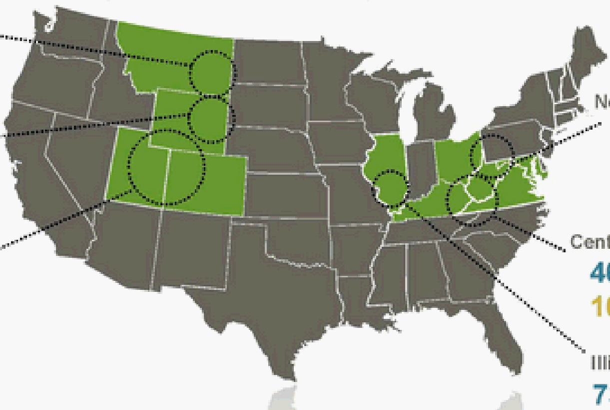
East Coast		• Current export capabilities can further liberate ICG's met and thermal production • Own 22% interest in DTA in Newport News, VA which has throughput capacity of ~20 million tpy
Gulf Coast (New Orleans)		• Ownership and throughput rights at river facilities in Kentucky and Illinois • Ability to blend ILB coals with products from every major operating region for sale into the seaborne coal market
West Coast		• Secured 38% interest in Millennium Bulk Terminals in Washington state • Agreement with Ridley Terminals in Canada • Commitments to move Western Bituminous coals through ports in California


THE POWER WITHIN
Arch Coal, Inc.
Acquisition strengthens Arch's position as one of the largest coal producers in the U.S. and the world
Top Five U.S. Coal Producers
(in millions of tons)
246
179
122
97
64
BTU
ACI*
ANR*
CLD
CNX
#2
Top Five U.S. Reserve Holders
(in billions of tons)
7.8
5.5
5.0
4.4
1.8
BTU
ACI*
ANR*
CNX
PCX
#2
Top Five Global Coal Producers
(in millions of tons)
431
248
246
179
122
Coal India
Shenhua
BTU
ACI*
ANR*
#4
Slide 17
Sources: ACI, Ventyx, Company filings
* Pro forma

Acquisition of ICG solidifies Arch's position as the most diversified U.S. coal producer

5.5-Billion-Ton Reserve Base

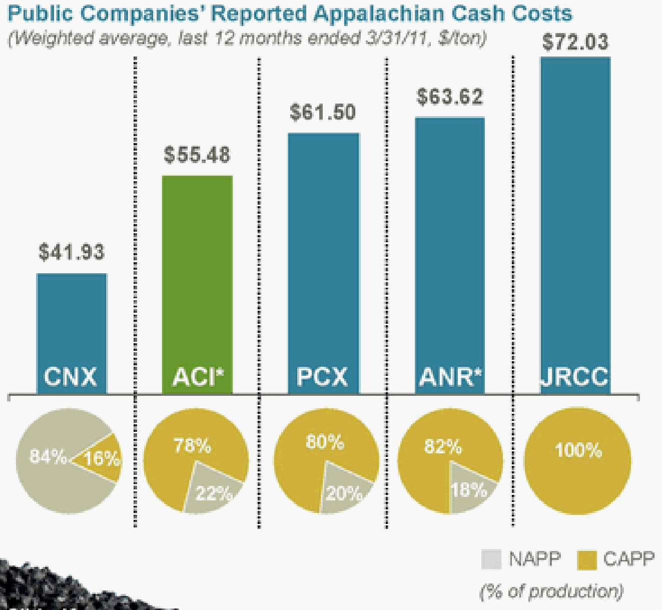
(pro forma reserves at 12/31/10)



- Expands operations to every major coal-supply basin
- Extends portfolio to include wholly owned operations in ILB and NAPP
- Creates robust U.S. product slate, with representation in all major basins

Arch's pro forma cash cost structure remains one of the lowest in the Appalachian region

Public Companies' Reported Appalachian Cash Costs
(Weighted average, last 12 months ended 3/31/11, $/ton)



- **Lowest cost producer** among predominantly CAPP operators
- One of the lowest cost producers in the overall Appalachian region
- Combined with ICG, Arch's cost structure remains advantageous – despite continued pressures in the region

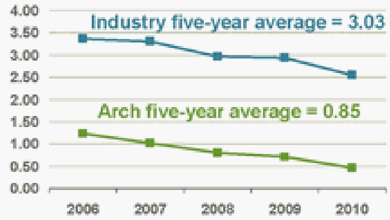
Source: SEC filings, MSHA
* Pro forma

Arch is committed to continuing its industry leading performance in safety and environmental compliance

- Record **safety** lost-time and total incident rates in 2010
  - Earned nine national and state awards for safety excellence
- Record **environmental** compliance rate in 2010
  - Earned **seven** national or state awards for excellence in environmental practices
- Last year, **two** mining complexes achieved ***A Perfect Zero*** – zero reportable injuries and zero SMCRA environmental violations

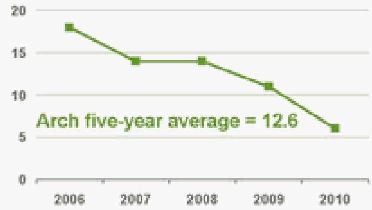
Lost-Time Safety Incident Rate

(per 200,000 employee-hours worked)



Environmental Compliance

(SMCRA violations based on state reports)



Sources: ACI, MSHA, State environmental agencies

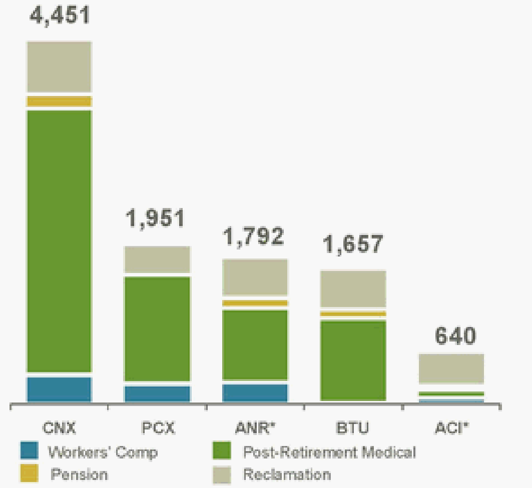
THE **POWER** WITHIN

Arch Coal, Inc.

Arch preserves one of the strongest balance sheets in the U.S. coal industry

Legacy Liabilities of Largest U.S. Coal Companies

(at 12/31/10 pro forma, in $ millions)

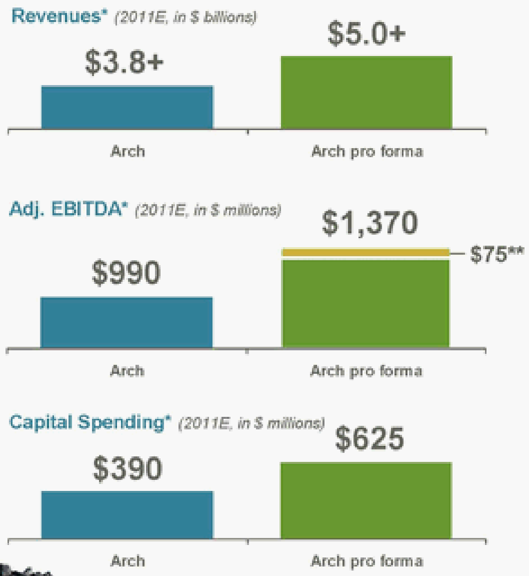


- Lowest level of **legacy liabilities** versus largest public U.S. coal companies
- Low legacy liabilities at ICG
- Approximately two-thirds of Arch's pro forma legacy liabilities consist of reclamation liabilities

Sources: ACI and Public Data

* Pro Forma

The combined company presents a strong pro forma estimated financial outlook



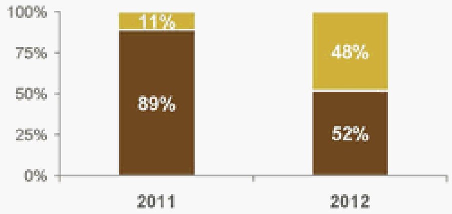
- Pro forma revenues of **$5+ billion**
- Expected **growth in EBITDA** of nearly 40 percent
- Improved EBITDA margin to ~27 percent of revenues
- Prudent management of capital expenditures
- **Significant cash flow generation** capabilities

* 2011 estimated data represents mid-point of provided annual guidance by respective companies in Q1 earnings releases. Estimated revenues based on production and average price guidance.
** Represents midpoint of annual synergies
See reconciliation at end of presentation

Arch has significant upside to coal markets in future years

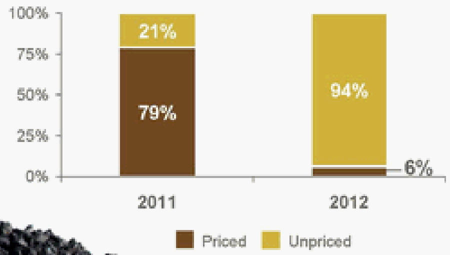
Pro Forma Steam Coal Sales

*(% priced/unpriced)**



Pro Forma Met Coal Sales

*(% priced/unpriced)**



Illustrative: Leverage to Coal Markets in 2012		
	Illustrative Price Increase	
(prices in $/ton)		
Steam Coal	$2	$5
Met Coal	$5	$15
2012 Unpriced Tons		
*(in millions)**		
Steam Coal	79	79
Met Coal	11	11
(in $ millions)		
Potential Incremental Revenue	$213	$560
Sales-Sensitive Costs @ 18.5% (1)	(39)	(104)
Potential Incremental EBITDA	**$174**	**$456**

* Based on ACI and ICG's volume guidance given per the 1Q11 earnings releases. Assumed flat volume levels in 2012 versus 2011 for Arch stand alone.
(1) Sales-sensitive costs consist of royalties, black lung and severance taxes.

THE **POWER** WITHIN

Arch Coal, Inc.

Non-GAAP Measures Reconciliation Chart

Adjusted EBITDA

Adjusted EBITDA is defined as net income attributable to the Company before the effect of net interest expense, income taxes, depreciation, depletion and amortization and the amortization of acquired sales contracts. Adjusted EBITDA may also be adjusted for items that may not reflect the trend of future results.

Adjusted EBITDA is not a measure of financial performance in accordance with generally accepted accounting principles, and items excluded to calculate Adjusted EBITDA are significant in understanding and assessing our financial condition. Therefore, Adjusted EBITDA should not be considered in isolation nor as an alternative to net income, income from operations, cash flows from operations or as a measure of our profitability, liquidity or performance under generally accepted accounting principles. We believe that Adjusted EBITDA presents a useful measure of our ability to service and incur debt based on ongoing operations. Furthermore, analogous measures are used by industry analysts to evaluate operating performance. In addition, acquisition and financing related expenses are excluded to make results more comparable between periods. Investors should be aware that our presentation of Adjusted EBITDA may not be comparable to similarly titled measures used by other companies. The table below shows how we calculate Adjusted EBITDA.

		2011 Midpoint	
	Arch	ICG	Combined
Net income	$ 371,500	$ 92,000	$ 463,500
Net income attributable to noncontrolling interest	-	-	-
Income tax expense (benefit)	82,500	30,000	112,500
Interest expense, net	135,000	30,000	165,000
Depreciation, depletion and amortization	381,000	115,600	496,600
Amortization of acquired sales contracts, net	20,000	(2,600)	17,400
Allegheny litigation adjustment	-	40,000	40,000
Adjusted EBITDA	$ 990,000	$ 305,000	$ 1,295,000
Midpoint of estimated annual synergies			$ 75,000
Arch pro forma Adjusted EBITDA			$ 1,370,000