

CoalSwitch® Highlights

More sustainable

- Made from low-cost wood derived biocarbon from forestry & lumber operations
- Reduces life-cycle emissions of coal burning by 99%
- Double-digit reductions in NOx and SOx

Completely compatible

- Can be co-fired at any blend rate with traditional coal
- Handles like coal - transported, stored & ground in existing equipment
- Demonstrated performance without fouling

Upends traditional cost model

- Parity with coal on a Total Cost of Ownership model
- No CapEx costs for compliance
- Reduced need for offsets or penalty payments

The first premium pellet that can be blended with coal as a better biomass solution than white pellets with our increased carbon density



CoalSwitch® samples

Performance Data from Co-firing Tests and Analysis

- AEG has established an active test program to co-fire coal and **CoalSwitch®**
- **Proven - CoalSwitch®** can be co-fired with immediate environmental and emissions benefits
- **CoalSwitch®** can be handled in power generation facilities with limited to zero CapEx required for reconfiguration
- **CoalSwitch®** provides opportunity to extend life of current coal plants and meet increasing and immediate environmental regulations.

STEP Program Partners/AEG Test Data:



	PERFORMANCE IMPACT OF CO-FIRING (75% COAL* / 25% COALSWITCH® blend)
Calorific Value: (BTU/lb)	Achieves 93% normal heating values
ASH CONTENT %:	Significant reduction of ash deposits - up to 77%
Grindability – use on bowl mill facilities	FULLY TESTED No degradation in bowl mill performance - lower energy consumption use
SOx / NOx Emissions	DRASTIC REDUCTIONS in both Sulfur Dioxide and Nitrogen Oxide emissions
Emissions	18% Improvement in emissions values

Turnkey CO₂ Reduction Solution for Hard-to-Decarbonize Industries



Cement



Pulp & Paper



Steel



Power Generation

Partner with us...

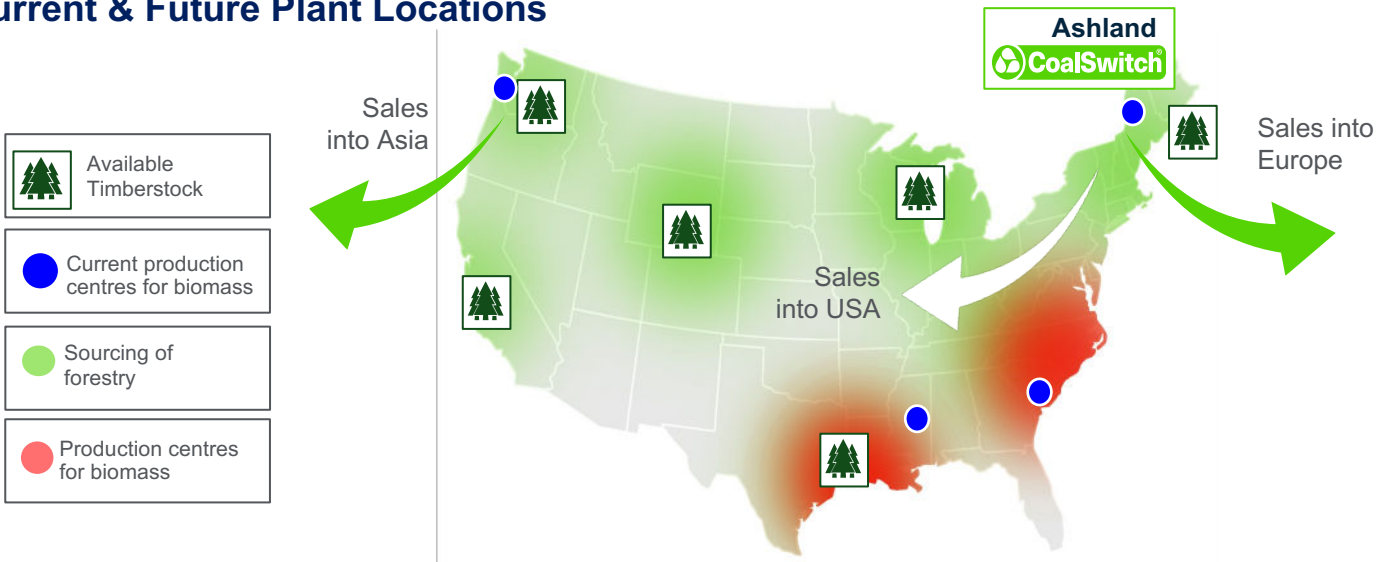
- **Feedstock Supply**
- **Offtake/Sales**
- **JV/Site Development**
- **Technology Licensing**

Source: AEG 2022

About Active Energy Group

<p>London & NY quoted, & listed renewable energy company AIM:AEG OTCQB:ATGVF</p>	<p>Focussed on the production and development of a next generation biomass pellet – CoalSwitch®</p>	<p>First Plant located in Maine, USA, under construction with first production in Q2 2023</p>	<p>Industrial process has been proven to transform residual waste into high-value biomass fuel</p>
<p>AEG owns the existing intellectual property for the manufacture of CoalSwitch® in the US & Canada, and all associated trademarks</p>	<p>Positive burn test results prove CoalSwitch® has the ability to be co-fired with coal, significantly reducing emissions</p>	<p>Accelerating interest in offtake opportunities for CoalSwitch® in US</p>	<p>Strong and experienced management team with significant experience operating in the US and UK</p>

Current & Future Plant Locations



- Breathes life into rural areas previously reliant on the lumber and pulp industry
- New England, Pacific Northwest and Gulf Coast are regions of prime interest for future expansion plans

Ashland Facility – a Partnership with Player Design

- The Ashland Facility is an already operational production facility for wood products
- Engineering and project planning is complete for construction of the first industrial **CoalSwitch®** production facility
- Constructed by Player Design, Inc.
- First commercial deliveries of **CoalSwitch®** expected to commence in Q2 2023



Source: AEG 2022