

The International Supply Chain for Wood Pellets

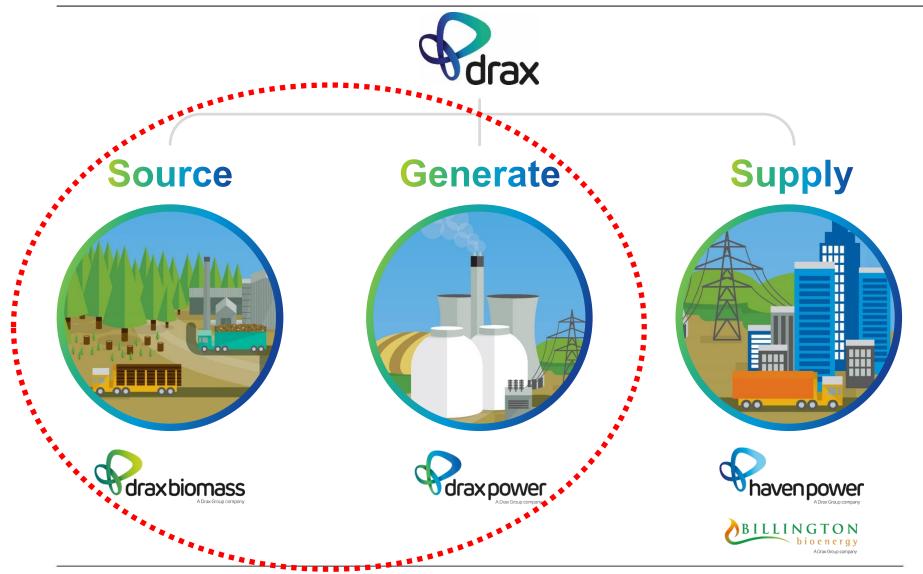
Richard Peberdy Vice President of Sustainability Drax Biomass Inc.

WoodEMA 2016 The Path Forward for Wood Products October 6, 2016



- Drax Group and our international supply chain
- Drax Group's US operations Drax Biomass Inc.
- Risks and opportunities in our sector
- A look forward

Drax Group – a vertically integrated biomass energy co.



Drax Group plc

Drax Power Station, pre-transformation



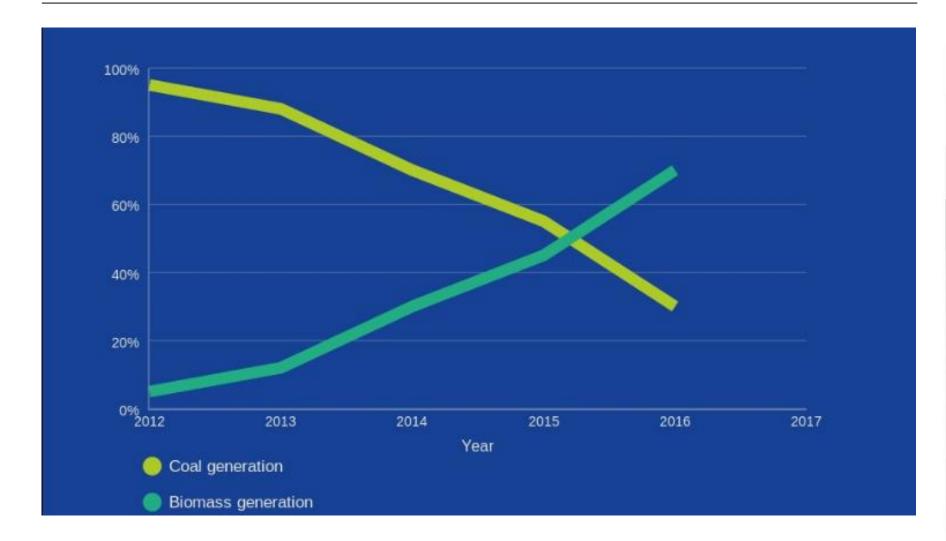
Drax Power today



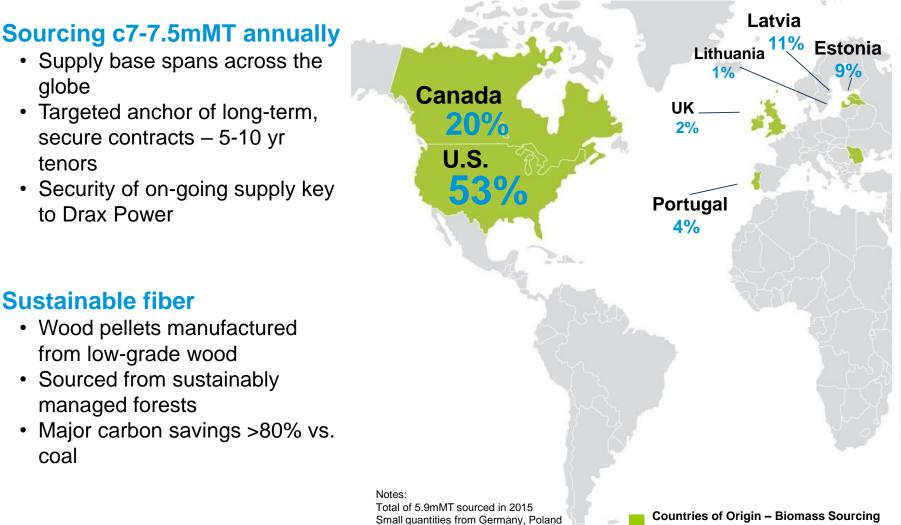
Drax Power today



Drax electricity generation by fuel source (2012-2016)



Drax Power global biomass procurement



and Spain totalling less than 1%

Percentage of 2015 Mix Shown in Map

Context matters!

- Recent level of coal imports of c **30 50 million tonnes** p.a. into UK (now falling)
- **489,200 GWh** of Natural Gas imported in 2015 (c 18 times Drax total generation in 2015, including coal, of 26,700 GWh)
- UK still below EU average of use of wood for energy
- UK forest harvest is just over **10 million green tonnes** of timber p.a.
- c. **12 million tonnes** of domestic pellets burned p.a. in Europe
- UK imports of wood in 2013 42 million m³ "wood raw material equivalent"
- US South annual harvest c. 300 million m³, Canada c.150 million m³
- Global woodfuel usage **1.8 billion** m³ p.a.

Sustainability at Drax



We never work in countries that lack proper regulation.

We never cause deforestation or forest decline.

We never source from areas that are officially protected or where our activities harm endangered species.

We only take wood from working forests that grow back and stay as forests.

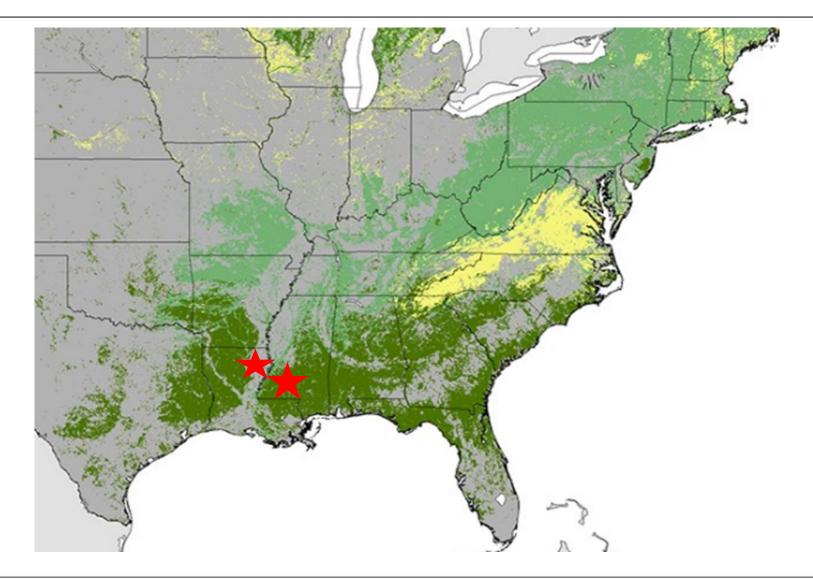
We require all our suppliers to pass tough screening and sustainability audits, conducted by independent auditors.



Drax Biomass – US footprint



Resource availability in the US South



Risks and Opportunities



UK Mix of electricity sources



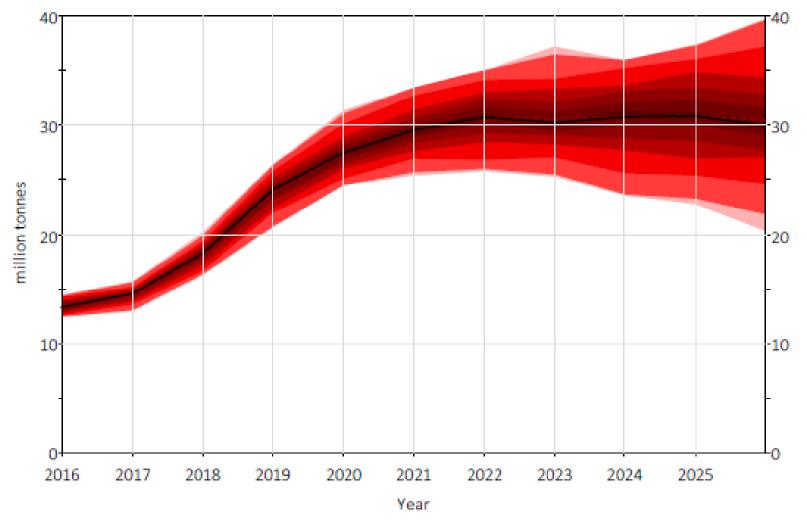
European Commission Bioenergy sustainability policy



European Union Brexit

Drax Group plc

Global industrial pellet demand: 10-year outlook



Source: Hawkins Wright, Outlook For Wood Pellets, Q1 2016

