

Clearfleau™

Renewable Energy
From Liquid Residues



On-site Anaerobic Digestion

Rushlight BioBriefing

27 Sept 2012

EVOLVING MARKETPLACE

AD evolving into 3 core sectors:

Municipal: landfill diverted materials
2014 landfill ban

Farm: slurry & crop feedstocks
nutrients supply

Industrial: bio-degradable residues
on-site heat & power

Drivers for food companies include:

- Escalating energy costs
- Treatment capacity limits
- Effluent discharge consents
- Pressure on disposal costs
- Revenue generation potential



ON-SITE INDUSTRIAL DIGESTION

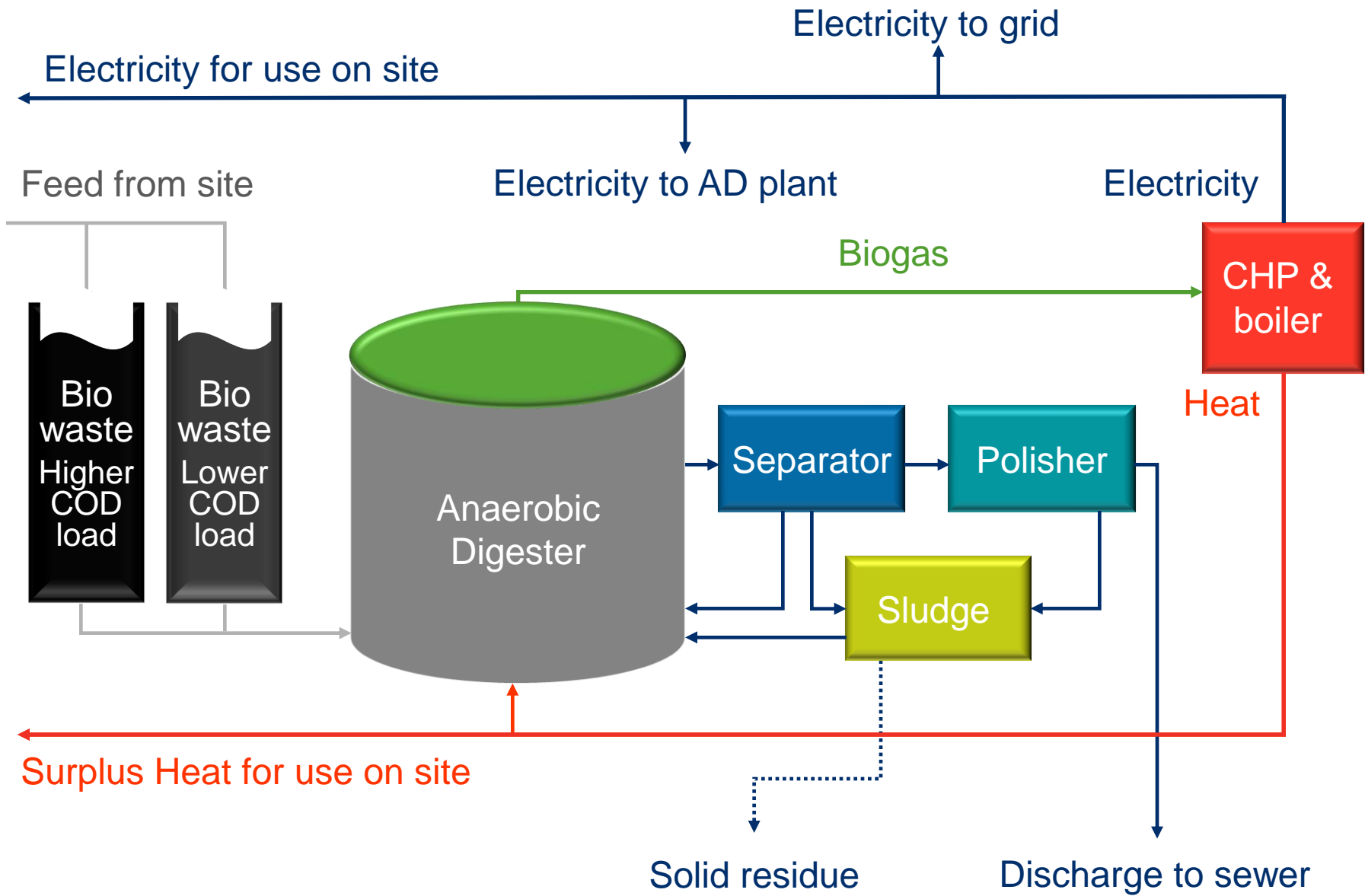
Smaller scale technology

- Limited project risk
- On-site energy use
- Reduced emissions
- Eliminate transport
- Range of feedstocks

Project payback based on:

- Lower disposal costs
- On-site energy savings
- AD is revenue generative
 - Incentive payments
 - Carbon reduction





DEVELOPING THE SECTOR

Sector Development

- Technology accessibility
- More than landfill diversion
- Scale - risk & reward
- Excessive regulation

Wider UK Benefits

- Indigenous technology
- Decentralised energy
- Job creation & exports
- Communities & localism

Future Challenges

- Smaller scale solutions
- Carbon based incentives
- Energy use efficiency
- Decentralised generation



Clearfleau™

Energise Liquid Wastes
Optimise Liquid Assets

www.clearfleau.com



THANK YOU