Pellet Heating

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Components

- Fuel Storage
- Feed System
- Boiler w/ Controls
- Ash Handling
- Stack / fan
- Emission Control

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Osby Parca
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Osby Parca

LOGSTOR
LOGSTOR
EPAL

LOGSTOR
DIM 22 MM CU 2.0 MM LDPE CUFLEX MAX 130°C
Pipe in rolls
21000028160836
28/90 160 m

Rough Pricing

	300 kw / 1mmBtu	750 kw / 2.5 mmBtu
Boiler	$96,000	$115,000
Ash Handling	3,000	3,000
Fuel Storage / feed system	21,000	21,000
Delivery / Install	45,000	55,000
Total	$165,000	$194,000

Payback

	$ / mmBtu	300 kw 1mmBtu		750 kw / 2.5 mmBtu	
Consumption - mmBtu		1,750		4,375	
Consumption - tons		106		265	
Pellet Fuel	$10.00	$17,490		$43,725	
Natural Gas	$15.00	$26,250	$8,760	$65,625	$21,900
		Pay back	**18.84**	**Payback**	**8.86**
Propane	$25.00	$43,750	$26,260	$109,375	$65,650
		Payback	**6.28**	**Payback**	**2.96**

Trends in Fuel Supply

- Raw Material Supplies
  - Residues
  - Forests
  - Ag residue

- Pellet Production
- Chips vs. Pellets
- Transportation

System Considerations

- Size
  - Turndown
  - Back up
- Water / Steam
- Pressure / atmospheric
- Instrumentation - modem / internet
- Emissions
- Efficiency
- Layout
  - Truck access
  - Storage
  - Ash Removal

New Technologies

- Europe is coming
  - Osby Parca
  - KOB
  - Froeling
  - Binder
  - Uniconfort
- Pellets
- Resource

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