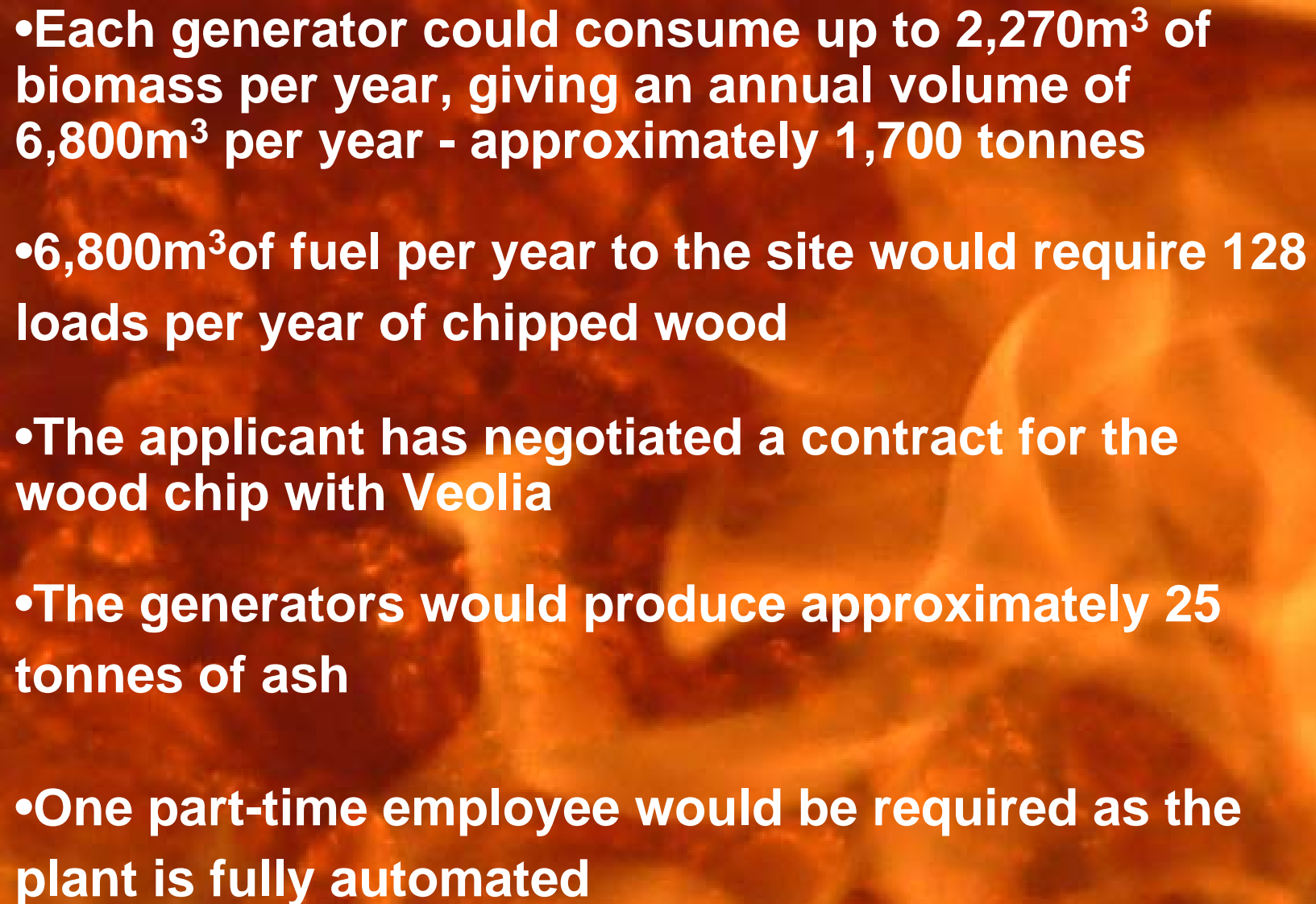


Woodfuel CHP – a first for Hampshire?

- **Planning permission given to Pucknall Energy Generation Limited for CHP at Upper Slackstead Farm, Braishfield, Romsey**
- **Three biomass generators will produce approximately 300 kw of electricity for sale to the National Grid and 600 kw of heat**
- **Electrical efficiency would be in excess of 20%, being 2-3 times more efficient than steam-based generation**

- **To be housed in a redundant grain barn 16m²**
- **The combustor, turbine and generator of each unit will be housed within two containers with a footprint of 6 x 2.5 m, stacked one above the other**
- **In addition there would be a storage bunker/silo for chipped fuel, enough space to store up to 30-40 days fuel within the building**
- **The chipped fuel would be fed into the turbines automatically by conveyor. The wood chips can be up to 30 millimetres in size**

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- Each generator could consume up to 2,270m³ of biomass per year, giving an annual volume of 6,800m³ per year - approximately 1,700 tonnes
 - 6,800m³ of fuel per year to the site would require 128 loads per year of chipped wood
 - The applicant has negotiated a contract for the wood chip with Veolia
 - The generators would produce approximately 25 tonnes of ash
 - One part-time employee would be required as the plant is fully automated

- **300 kw of electricity would be sold through the National Grid. The site is close to a transformer enabling easy connection to the grid**
- **Hot water would be used to heat the five residential houses and the industrial units in the vicinity and under the applicant's control. The remaining heat will be used to condition the biomass material**
- **Initial application to Winchester City Council but was withdrawn as the application needed to be determined by the County Council**
- **Details of the application at:
www.hants.gov.uk/decisions/decisions-docs/080312-reguct-R0306105524.html**