

# Planning for Climate Change Case Study



## Biomass at PEC Building Services, Bradford

- **Local authority area:** Bradford Metropolitan District Council
- **Stakeholders:** CO2Sense, PEC Building Services

### Summary

CO2Sense gave PEC Building Services £18,200 as part of the cost of a new wood chipper, waste wood heater and woodfuel storage facility.

### Background

- PEC Building Services is a family run business based in Bradford that employs 80 people. They wanted to reduce their costs and switch to a more environmentally friendly heating fuel for their site.
- They received £18,200 from CO2Sense to help with cost of a woodfuel boiler, wood chipper and storage facility

### Method

- The business has an on-site joiner's workshop that produces waste wood that was previously being sent to landfill. PEC decided to use this as a fuel source.
- The new system uses a woodfuel boiler to burn the waste wood that has been put through the new wood chipper. By using this new system, PEC is saving £9,000 a year on waste disposal costs, and a further £850 on fuel costs.
- CO2Sense gave support in choosing and fitting the woodfuel system. This was particularly important in selecting the correct boiler for the wood chip they were producing. PEC use MDF in their woodchip, and to burn this, they needed a Defra approved boiler.
- CO2Sense helped them to select the right system and plan the woodfuel storage to ensure that it would work as well as possible for the business. The company also applied for an interest free loan from the Carbon Trust to help pay for the installation, and CO2Sense supported them in filling out this application.
- 190 tonnes of waste wood that was previously being sent to landfill is now being used as fuel, which, when combined with the carbon dioxide PEC are saving by not using fossil fuels to heat their site, will save 133 tonnes of CO2 each year. That is the equivalent of taking 60 cars off the road.



## Result - Key outcomes and impact

- As well as saving both money and carbon, PEC has a new business opportunity as they can sell the excess woodchip they produce.
- The business is now an important local source of woodfuel, and this is bringing extra revenue into the company. The savings and new business opportunities have safe-guarded one job at the company.

## Key contact

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