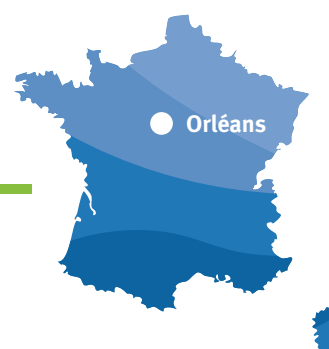




City of Orléans



Project Profile

The CHP plant has an installed capacity of 7.5 MW in electricity and 17 MW in thermal heat. The plant supplies heat to the City of Orléans and sells electricity via a power purchase agreement (PPA) to Electricité de France (EDF) at a fixed tariff set over 20 years. This project was the first equity investment by the eeef (the majority owner of the plant with 84.4 %). Dalkia France is co-investing with eeef and holds the remaining 15.6 %.

The plant is fired by wood biomass (90,000 tons per annum) which is from a sustainably source (woodlands located less than 100 km from the plant). The CHP plant commenced operation in March 2014. During 2015, the plant operated at a rate equivalent to an annual reduction of 18,855 tCO₂e emissions and –37,578 MWh of primary energy savings compared to baseline. Carbon savings are 71 % (compared to baseline).

This CHP biomass plant achieves significant carbon savings whilst still generating heat aligned with baseline requirements. Annual CO₂e emissions vary from those stated in the eeef Annual Report 2014; due to an accurate calculation methodology, provided by the project developers. 2015 savings have been calculated and validated in accordance with the international

Key figures	
Country	France
Sector	Energy Efficiency
Type of investment	Junior funds
Total project size (€m)	36.0
eeef investment size (€m)	5.1
Financial close	12 March 2013
Maturity	Perpetual
Observed tCO ₂ e emissions	18,855

al energy standard International Performance Measurement and Verification Protocol (IPMVP).

Project Highlights

The project enables a decentralised energy supply for the City of Orléans using an existing district heating network. The plant allows 15,000 households in the city to achieve annual savings of around €200.0 with the new energy source and increases the environmental sustainability.