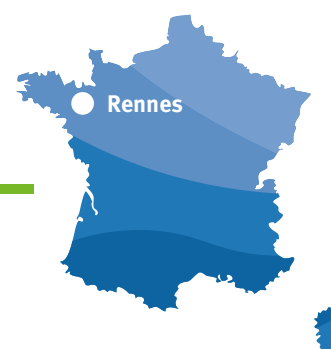


City of Rennes



Project Profile

Following a bid for tenders launched by the French Commission de Régulation de l'Énergie (CRE3) for the production of green energy using a biomass cogeneration plant, Rennes Biomasse Énergie SAS was authorized to build and operate a combined heat and power facility with an electrical output of 10.4 MW and a thermal output of 22 MW for the next 20 years.

As its second equity investment, the eeef has purchased 85 % of the shares in Rennes Biomasse Énergie while Dalkia France owns the remaining 15 %. Dalkia France is also permitted to technically operate the plant.

Based on actual data through annual energy audits, in 2015 the plant saved 14,434 tCO₂e (compared to baseline). This relates to carbon savings equating to 59% 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 2014 figures being estimates and 2015 figures being actual and an improvement in calculation methodology, provided by the project developers. 2015 savings have been calculated and validated in accordance with the international energy standard International

Key figures	
Country	France
Sector	Energy efficiency/ CHP plant
Type of investment	Junior funds
Total project size (€m)	47.6
eeef investment size (€m)	7.3
Financial close	12 December 2013
Maturity	Perpetual
Observed tCO ₂ e emissions savings (p. a.)	14,434

Performance Measurement and Verification Protocol (IPMVP).

Project Highlights

The project enables a decentralised energy supply for the City of Rennes using an existing district network. The plant will allow 21,000 households in the city both to save money with the new energy source and to increase their environmental sustainability.

The biomass required is locally sourced within a 100 km radius of the plant.