

## eeef highlights

 eeef achieved financial closing for two transactions in the second quarter of 2014. The Fund signed a mid-term senior loan facility with the French Société Publique Locale Efficacité énergétique (SPL) for the refurbishment of aging public infrastructure in the Région Rhône-Alpes, paving the way for raising further longterm financing. Secondly, eeef signed a long-term loan agreement with the Dutch City of Venlo for the upgrade of 73 % of the City's public lighting network. This large-scale street lighting upgrade is strengthening Venlo's commitment towards environmental sustainability. The City supports the embraced principle of 'Cradle to Cradle' (C2C) as one of the first cities worldwide, a framework for using sustainable energy resources only, phasing out conventional energy sources.

• Furthermore, a Technical Assistance contract was signed in June 2014, supporting the Belgian University Hospital (CHU) and the University of Liège (ULg).

# Investments by Partner Institution



## Investments by Country



## Investments by type of Partner Institution



## Investments by Financial Instrument



CO2 savings (in tons)



## NAV per 30/06/2014 (in € million)



\* Accumulated savings adjusted based on reported savings



# eeef closed transactions

**Existing projects** 



Country: Sector: Type of Investment: Total project size (€ m): eeef investment size (€ m): Financial close: Maturity: Status:

Germany Energy Efficiency Forfeiting 3.1 1.7 20 March 2012 10 years Construction

### **General description**

The Energy Service Company (ESCO) and the Jewish Museum Berlin entered into an Energy Performance Contract (EPC) for both buildings of the museum with a total EPC volume of  $\leq$  3.1m. Agreeing on energy efficiency measures comprising of the optimization of heating, ventilation & air conditioning, energy efficient lighting and an efficient energy management system, the project will achieve a reduction of CO<sub>2</sub> emissions of 55 % compared to the baseline. The ESCO will guarantee the Jewish Museum Berlin certain energy savings per annum and will perform the maintenance and building operation services for a 10 year contract period. The project was the winner of European Energy Service Initiative's Award in 2012. This project is first of its kind and therefore a lighthouse project in the European ESCO market due to its innovative forfeiting structure – further replication potential.

#### **Recent developments**

• First tranche disbursed in July 2012

- Delay in the construction process regarding the implementation of the energy efficiency measures
- Jewish Museum Berlin and ESCO agreed on a revised scope of work, adjustment of the documentation ongoing



Country: Sector: Type of Investment: Total project size (€ m): eeef investment size (€ m): Financial close: Maturity: Status:

Germany Energy Efficiency Forfeiting 1.1 0.6 15 November 2012 10 years Operation

## **General description**

The ESCO and the University of Applied Sciences Munich (UoM) entered into an energy performance contract (EPC) for both buildings of the UoM's campus in Munich-Pasing with a total EPC volume of  $\in$  1.1m. The ESCO and UoM agreed on energy efficiency measures comprising the acquisition of a 49.5 kW combined heat and power (CHP) plant, the optimization of heating, lighting, metering, building management and pumping. The implementation of all measures will achieve a reduction of CO<sub>2</sub> emissions of 11.6% compared to the baseline. The ESCO will guarantee the UoM certain energy savings per annum and will perform maintenance and building operation services for the 10 year contract period. This project can be a role model for further energy efficiency investments in educational facilities such as schools, universities etc.

#### **Recent developments**

• Construction completed, project in operation

• Project performance in line with envisaged plan

## Project: City of Orléans



#### Country: Sector: Type of Investment: Total project size (€ m): eeef investment size (€ m): Financial close: Maturity: Status:

France Energy Efficiency Junior Funds 36.0 5.1 12 March 2013 Perpetual Operation

#### **General description**

The CHP plant with an installed capacity of 7.5 MW in electricity and 17 MW in thermal heat will supply the heat to the City of Orléans and will sell the electricity via a Power Purchase Agreement (PPA) to Electricité de France (EDF) at a negotiated tariff fixed over 20 years. The plant is fired by wood biomass (90,000 tons per annum) from a supply radius of less than 100 km. This project was the first equity investment of eeef (majority owner of the plant with 84%). The operation of the CHP plant will achieve a reduction of  $CO_2$  emissions of 20,500 tonnes p.a., approx. 89.1% compared to the baseline.

Recent developments

• Construction completed, project in operation

# Advancing Sustainable Energy for Europe Quarterly Fact Sheet as of 30/06/2014





Country: Sector: Type of Investment: Total project size (€ m): eeef investment size (€ m): Financial close: Maturity: Status:

Italy Energy Efficiency Senior Debt 41.0 32.0 8 May 2013 20 years Construction

#### General description

The project entity, a special purpose vehicle (SPV) which is the counterparty of eeef, signed a concession agreement with the University Hospital S. Orsola Malpighi (UHSOM) in Bologna. Planned initiatives are intended to raise the energy efficiency of the entire fluids production and distribution system and reduce energy consumption via adoption of energy efficient equipment such as centrifugal chillers and absorbers, reconstruction of heat distribution networks, renovation of heat exchange substations and inclusion of a tri-generation plant for the combined production of CO2 emissions of 14,136 tons p. a., approx. 31 % compared to the baseline. It has been the largest energy efficiency upgrade in Italy under a public-private partnership (PPP) framework so far and is a lighthouse project which demonstrates the positive impact of energy efficiency measures in public healthcare.

#### Recent developments

• First and second disbursement executed in line with project milestones, third disbursement in May 2014, slightly delayed due to missing authorisations

#### Project: Banca Transilvania



Country:RoSector:FinType of Investment:SuTotal project size (€m):25eeef investment size (€m):25Financial close:26Maturity:10Status:Inv

Romania Financial Institution Subordinated Debt 25 26 September 2013 10 years Investment phase

#### **General description**

Banca Transilvania (BT), one of the leading banks in Romania, and eeef signed a letter of intent regarding green lending to support energy efficiency and renewable energy investments in Romania. First cooperation of the eeef with a financial institution and also the first transaction in Eastern Europe. With, BT eeef has a strong local partner with experience in financing several energy efficiency projects.

#### Recent development

- BT is working on an extensive green project pipeline according to eeef's investment guidelines, with several projects already successfully financed
- More than € 10m of eeef's facility already utilised



Country:FraiSector:EnergyType of Investment:JunTotal project size (€m):47.eeef investment size (€m):7.3Financial close:12Maturity:PerStatus:Op

France Energy Efficiency Junior Funds 47.6 7.3 12 December 2013 Perpetual Operation

#### General description

The Fund has completed its second equity transaction, investing in Rennes Biomasse Energie, which has been authorised to operate a combined heat and power facility with an electrical output of 9.8 MWe and thermal output of 22 MWth over the next 20 years. This junior fund investment has been realised through the purchase of 85% of the shares of Rennes Biomasse Energie by eeef. Dalkia France is co-investing along with eeef and is shareholder of the remaining 15% of Rennes Biomasse Energie. The plant will supply 21,000 households in the City with green heat. The facility is estimated to save 37,063 tons of CO, per year.

**Recent developments** 

• Construction completed, project in operation

# Advancing Sustainable Energy for Europe Quarterly Fact Sheet as of 30/06/2014





Country: Sector: Type of Investment: Total project size (€ m): eeef investment size (€ m): Financial close: Maturity: Status:

France Clean Urban Transport Senior Debt 30 23 December 2013 5 years Investment Phase

### **General description**

The French company Bolloré signed a bond subscription agreement for floating rate notes worth € 30m issued by Bolloré and purchased by the eeef with a maturity of 5 years. eeef's investment will be used to finance electric cars and required infrastructure used in Bolloré's European electric car rental concession, which the company ensured in the past. This transaction is within the framework of a green transportation initiative for the Cities of Paris, Lyon and Bordeaux.

#### Recent developments

• Full disbursement at the end of January 2014

• Bolloré is working on the first projects under the electric car rental concession

## New projects

## Project: Société Publique Locale Efficacité



Country: Sector: Type of Investment: Total project size (€ m): eeef investment size (€ m): Financial close: Maturity: Status:

France Energy efficiency measures, public buildings upgrades Senior Debt approx. 25 5 3 April 2014 5 years Implementation Phase

#### General description

The Société Publique Locale d'Efficacité Energétique (SPL) signed a mid-term loan agreement for € 5m to finance the refurbishment of public buildings during their construction phase and to pave the way for raising further long term financing. The SPL was initiated by the Région Rhône-Alpes as a private special purpose company under the French Commercial Code, but operating with public capital. It is associated with a number of public authorities in the Region and is dedicated to implement energy-efficient refurbishment projects of public buildings (high schools, schools and gymnasiums), including renewable energy production. By setting an example of upgrading public buildings, while going beyond standard thermal regulations, the SPL thinks ahead and aims to achieve its long-term objectives of energy savings and greenhouse gas reduction.

#### **Recent developments**

• Several tenders are currently under process



#### Country: Sector: Type of Investment: Total project size (€ m): eeef investment size (€ m): Financial close: Maturity: Status:

The Netherlands Energy Efficiency Senior Debt 9.1 8.5 3 April 2014 15 years Implementation Phase

#### General descriptio

The City of Venlo signed a long-term financing contract for € 8.5m to finance street lighting upgrades with an objective to equip a minimum of 16,000 lighting points with LED lights (73% of the total lighting points of the City) and achieve more than 40% in energy savings. The existing public lighting is the largest consumer of electricity with approximately 36% of total consumption. The large-scale street lighting upgrade is a further sign for the City's commitment towards environmental sustainability and supporting the embraced principle of 'Cradle to Cradle' (C2C) as one of the first cities worldwide, a framework for using sustainable energy resources only, phasing out conventional energy sources.

ecent developments

• First disbursement to finance the energy efficient street lighting in May 2014

# eeef Technical Assistance development

eeef's close cooperation with the Belgian University Hospital (CHU) and the University of Liège (ULg) lead to the signing of a technical assistance contract, worth  $\in$  1,5m in June 2014. The CHU and the ULg initiated a comprehensive investment programme of  $\in$  30m for deep retrofits of 15 campus buildings, as well as outdoor lighting, with the objective to reduce electricity and heat consumption.

Please note eeef was providing grant money under the European Commission Technical Assistant Facility until 31 March 2014. This facility came to an end using successfully almost € 18m of the Facility, by dedicating the funds to project development works of public beneficiaries. Further signings are expected in the second half of the year, referring to approved Technical Assistance applications.

Public authority		Country	Description of the investment programme	Total size of the investment programme (€ m)	TA volume provided (€)	Estimation of CO2 reduction (tons per annum)
i di ji	City of Santander	Spain	Public lighting/building retrofit	9.1	452,560	2,464
Ø	City of Cordoba	Spain	Public lighting/building retrofit	18	754,240	6,824
	Cabildo of La Palma	Spain	Public lighting/building retrofit/clean urban transport	30.1	871,941	4,347
*	City of Terrassa	Spain	Public lighting/building retrofit/ clean urban transport/PV	18.5	623,467	9,113
<b>B</b>	City of Marbella	Spain	Public lighting/building retrofit/PV	12.5	456,662	5,459
	Région Rhône-Alpes	France	EE – Buildings upgrade	5	1,125.000	*
	Municipality of Ringkøbing-Skjern	Denmark	Biomass	173.3	1,917.500	21,600
	Ore Valley Housing Association	UK	Decentralised district heating	35	1,728.150	22,400
۱	City of Elche	Spain	Public lighting/building retrofit/ clean urban transport/PV/Biomass	20.2	782,367	8,983
	City of Venlo	Nether- lands	EE – Public lighting	8.5	425,000	2,291**
Université de Liège	University of Liège	Belgium	EE – Building retrofit	30	1,500,000	3,200
			Total:	€ 360.2m	€ 10.637m	86,681

## Disclaimer

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\* to be determined \*\* Forecast, based on current savings for 2013

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European Commission





