

# Energy and Greenhouse Gas Emission Savings 2014

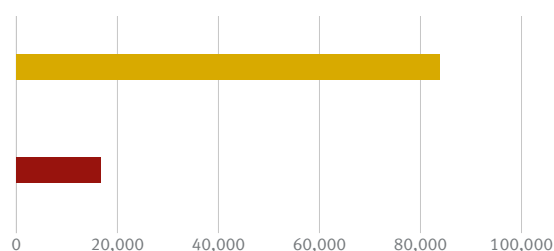
CO<sub>2</sub>e and primary energy savings were reported for a total of five projects by the end of 2014. As shown below, these projects achieved total accumulated savings of 83,858 (t CO<sub>2</sub>e) and 65,295 MWh of primary energy savings up to the end of 2014.

PROJECT NAME	REPORTING UP TO THE END OF Q4 2014			
	CUMULATIVE CARBON SAVINGS (tCO <sub>2</sub> e)	CARBON SAVINGS (%)	CUMULATIVE PRIMARY ENERGY SAVINGS (MWh)	PRIMARY ENERGY SAVINGS (%)
Jewish Museum Berlin Foundation	2,265	55%	11,580	55%
University of Applied Sciences Munich	59	5%	3,137	24%
City of Orléans	29,201	59%	4,788	1%
Banca Transilvania	19,420	47%	64,317	47%
City of Rennes*	32,913	44%	-18,527	-6%
<b>Totals</b>	<b>83,858</b>		<b>65,295</b>	

\* Both Rennes and Orleans CHP biomass plants are now in full operation. The CHP biomass plants are operating alongside fossil fuel boilers to achieve significant carbon savings whilst still producing the required heat output. The biomass CHPs are replacing previous fossil fuel driven CHPs, which have high operating efficiencies. As these project are switching part of the overall sites generation capacity from fossil fuel to renewable fuel, it is not anticipated to have primary energy savings, as heat generation should remain stable before and after the CHP biomass plants are installed. It is understood that primary energy savings of these projects can improve over time as the biomass plants efficiencies reach their optimum.

## CO<sub>2</sub>e/Primary Energy Savings\*\*

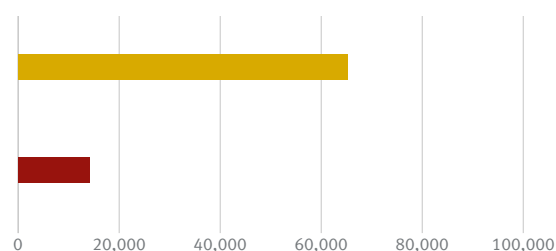
CO<sub>2</sub>e savings



■ Cumulative CO<sub>2</sub>e Savings [tCO<sub>2</sub>e]  
■ Quarterly CO<sub>2</sub>e Savings [tCO<sub>2</sub>e]

**Quarterly** 16,752 CO<sub>2</sub>e (t) savings  
**To date** 83,858 CO<sub>2</sub>e (t) savings

Primary Energy Savings (PES)



■ Cumulative Primary Energy Savings [MWh]  
■ Quarterly Primary Energy Savings [MWh]

**Quarterly** 14,172 PES (MWh)  
**To date** 65,295 PES (MWh)

\*\* This is a combination of estimated and real data for the current project portfolio.