



European Investment Bank (EIB)

Luxembourg, 28/06/2018

Environmental and Social Completion Sheet (ESCS)

Overview

Project Name: Thames Water Climate Action

Project Number: 2011-0483

Country: United Kingdom

Project Description: The Project consists in an EIB loan for up to GBP 430m in favour of Thames Water Utilities Ltd, a UK regulated utility, for the purpose of financing its investment programme 2012-15, with a specific focus on the climate action-related components.

Summary of Environmental and Social Assessment at Completion

EIB notes the following key Environmental and Social outcomes at Project Completion.

All projects component requiring environmental impact assessments were evaluated by the relevant bodies, with no concerns raised as a result.

Lee Tunnel: The tunnel will tackle discharges from London's largest CSO at Abbey Mills Pumping Station in Stratford, which accounts for 40 per cent of the total discharge. The four-mile tunnel runs beneath the London Borough of Newham from Abbey Mills to Beckton. It will help prevent more than 16 million tonnes of sewage mixed with rainwater overflowing into the River Lee each year, by capturing it and transferring it to Beckton Sewage Treatment Works, which has been expanded by 60 per cent to enable it to deal with the increased volumes.

Metering:

A reduction in customer demand and leakage will be delivered as a result of increased monitoring on the network. Meters enable Thames Water to analyse hourly read data to identify that there may be a leak on the customers' supply pipe. Additionally, understanding the balance between usage, leakage and wastage (water lost within the home) also allows Thames Water to better target mains side leak repairs.

Customers understanding their usage is forecast to drive a 15-20% reduction in usage. This will be beneficial for the environment and will help to reduce the gap between the demand for water, and the amount available for supply in the region.

THP:

The THP project resulted in an 88GWh increase in generation at the THP sites between 2013-14 and 2016-17.

Thames Water also notes their continuing effort to decrease their GHG emissions so as to tackle the causes of climate change, with emissions standing at 273.0 kgCO₂e in 2015/16 for potable water and at 303.1 kgCO₂e for treated wastewater. Figures have dropped further since then, but this is due to a non-project related policy of net operational emissions being calculated based on the grid electricity that is imported from accredited renewable sources.

EIB notes the following key Environmental and Social aspects to be monitored during operations:

N/A



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Summary opinion of Environmental and Social aspects at completion:

EIB is of the opinion based on reports from the promoter during construction that the Project has been implemented in line with EIB Environmental and Social Standards, applicable at the time of appraisal.