





**Table 4-32 – Revised carbon accounting Tring**

Sites (Treatment plants)	Element	Construction stage embodied GHG emissions (LCA module A1-A3) tCO <sub>2</sub> e	Operational stage embodied GHG emissions (LCA Modules B1- B4) tCO <sub>2</sub> e	Operational stage energy related GHG emissions (LCA module B6) emissions tCO <sub>2</sub> e	Total lifetime GHG emissions tCO <sub>2</sub> e	% of total GHG emissions
Tring	Earth Works	970			970	0.1%
	Stainless Steel (pumps, screens & fencing)	106,367	106,552		212,919	15.9%
	Rising Main (HDPE Plastic pipes)	2,464	4,567		7,031	0.5%
	Steel Reinforcing bar (within concrete)	3,078	3,082		6,160	0.5%
	Concrete (Pre-cast-20% GGBS)	1,375	1,470		2,845	0.2%
	Concrete (In-Situ- 20% GGBS)	16	11		27	<0.01%
	Asphalt (low temp)	69	76		145	<0.01%
	Aggregate (Crushed Rock subbase and bridge foundations)	8	22		30	<0.01%
	Copper	24,149	120,821		144,970	10.9%
	Electricity	-	-	105,940	105,940	7.9%
	Treatment Chemicals	-	854,737		854,737	64.0%
	<b>Totals</b>	<b>138,496</b>	<b>1,091,338</b>	<b>105,940</b>	<b>1,335,774</b>	