

# Distribution Losses

Distribution losses are the difference between the energy which enters the distribution network and the energy which reaches the customer. The fact that a proportion of the energy generated will not reach the customer means more power must be produced to meet demand. The carbon emissions from this energy account for more than 96% of WPD's carbon footprint.

Despite a relatively small increase in the total annual losses for 2016/17 the carbon equivalent has reduced as a result of a reduced published conversion factor. Applying the new conversion factor to the annual losses in GWh has a significant effect on the calculated carbon equivalent figure.

**In our current losses strategy WPD have committed to;**

- Replacing all of our pre 1958 transformers
- Discontinuing our 16kVA and 25kVA pole mounted transformers and our 315kVA ground-mounted transformers
- Discontinuing the smallest sizes of our service, LV and 11kV cables

WPD FFC Reported Information					
	2012/13	2013/14	2014/15	2015/16	2016/17
<b>Total annual losses (GWh)</b>	5158	4103	4125	3650	3713
<b>Carbon equivalent (tCO<sub>2e</sub>)</b>	2,384,281	1,896,261	1,906,640	1,687,342	1,530,164

**Current assessment of distribution losses**

