

Appendix 1:

Portsmouth Adaptive Street Lighting Roll out, additional energy saving comparisons.

Based upon energy saving calculations Hyperion¹ have estimated that rolling out the dimming levels for the trial for the whole stock of street lights in the City will reduce annual energy consumption by 496,116 kWh. This will translate into a reduction in CO₂ emissions of 140,436kg. This is the equivalent of:

Greenhouse gas emissions from



CO₂ emissions from



Greenhouse gas emissions avoided by



Source: <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator>.

¹ Hyperion Consultancy Ltd (2019) LED/CMS Adaptive Street Lighting Trial Final Report November 2019.