**Appendix 2: Cost of achieving “Net Zero” in 2021**

This table summarises the cost of 10% and 100% green gas combined with offsetting to achieve “net zero”

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Amount of green gas** | **Additional cost of green gas £ / year** | **Remaining net annual carbon emissions (transport and residual, e.g. water) from Oct 2020**  **Estimated tCO2/y** | **Cost to offset remaining emissions locally / year (at £13/tCO2)** | **Cost to offset remaining emissions in the developing world / year (at £6tCO2)** | **Total additional estimated £cost / year**  (Range: dependent on the offsetting scheme) |
| **Option 1** | 100% green gas | c£135k | 2400 | c.£31k | c.£14.5k | c£150k - £165k |
| **Option 2** | 10% | c£13.5k | 5370 | c.£70k | c.£32k | c.£46-£84k |
| **Option 3** | 0 (100% fossil gas) | - | 5700 | c.£74k | c.£34k | c.£34-74k |