Data sources for the infographic on the carbon emissions intensity of driving electric and petrol vehicles:

**Emissions intensity of electricity generation**

- USA and China: Projections for 2017 (USA 480 gCO₂/kWh, China 650 gCO₂/kWh) from Climate Works’ Carbon Transparency Initiative projections, available at: [http://cti.climateworks.org/sectors/?Sector=Power&Subsector=All](http://cti.climateworks.org/sectors/?Sector=Power&Subsector=All)
- Transmission and distribution losses assumed at 6% (as for USA, China and EU, from [http://cti.climateworks.org/sectors/?Sector=Power&Subsector=All](http://cti.climateworks.org/sectors/?Sector=Power&Subsector=All))
- Electric vehicle charging losses assumed at 4%.

1. **Efficiency of electric vehicles**

- BMW i3 4.9 miles / kWh
- Nissan Leaf 4.1 miles / kWh
- Tesla Model S (average of models with > 300km range) 3.2 miles / kWh, using data from: [http://carfueldata.direct.gov.uk/search-by-fuel-economy.aspx](http://carfueldata.direct.gov.uk/search-by-fuel-economy.aspx)

2. **Details of best selling petrol cars in UK, USA and China**

- China, Wuling Hongguang, from: [http://www.chinadaily.com.cn/bizchina/motoring/2017-01/25/content_28048518_10.htm](http://www.chinadaily.com.cn/bizchina/motoring/2017-01/25/content_28048518_10.htm), assume same emissions intensity as Chevrolet Spin (a similar sized car also produced by General Motors which uses many of the same engines), 1.5 AT LT at 140 gCO₂/km, from: [https://www.autodeal.com.ph/cars/compare/chevrolet+spin+1-3-mt-ltz+vs+chevrolet+spin+1-5-at-ltz+vs+toyota+avanza+1-5-g-at-1207](https://www.autodeal.com.ph/cars/compare/chevrolet+spin+1-3-mt-ltz+vs+chevrolet+spin+1-5-at-ltz+vs+toyota+avanza+1-5-g-at-1207)