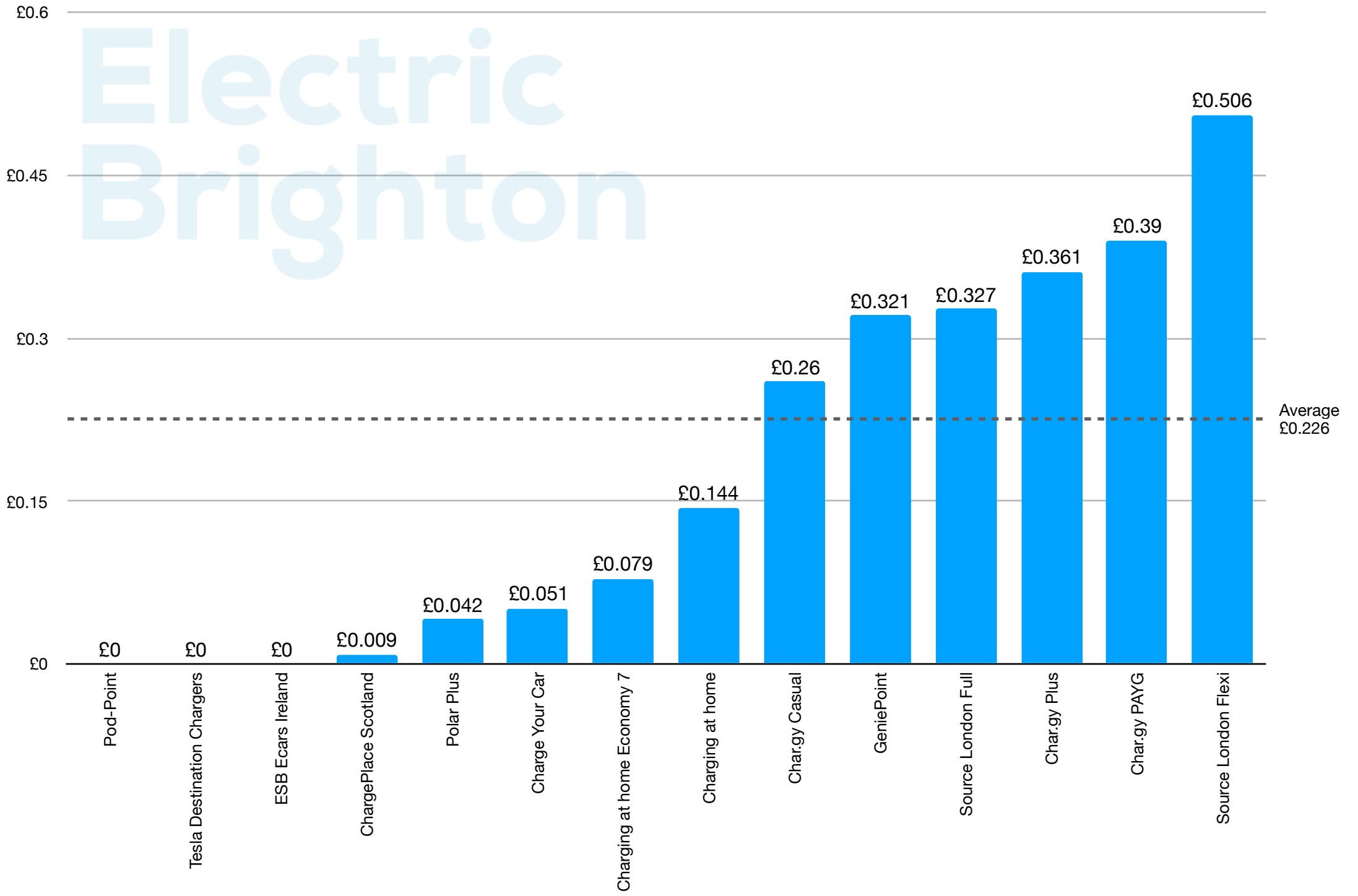


### 7kW Charger Networks

	Notes	Monthly or equivalent monthly cost	Connection cost per charge	Stated cost per kW	Cost per kWh or effective cost per kW for 658 miles / 188kW	Cost per month for the average UK mileage of 658 miles
<b>Petrol</b>						£94.14
<b>Diesel</b>						£75.05
<b>Pod-Point</b>		£0.00	£0.00	£0.00	£0	£0.00
<b>Tesla Destination Chargers</b>		£0.00	£0.00	£0.00	£0	£0.00
<b>ESB Ecars Ireland</b>	Free network for Republic of Ireland	£0.00	£0.00	£0.0000	£0.0000	£0.00
<b>ChargePlace Scotland</b>	Annual membership of £20.	£1.67	£0.00	£0.00	£0.0089	£1.67
<b>Polar Plus</b>	Monthly membership with free charging at 7kW chargers.	£7.85	£0.00	£0.00	£0.0417	£7.85
<b>Charge Your Car</b>	Annual membership of £20 with free charging at 7kW chargers. £1 connection fee	£1.67	£1.00	£0.00	£0.0514	£9.67
<b>Charging at home Economy 7</b>	Based on UK average of £0.0788p per kWh.			£0.0788	£0.0788	£14.82
<b>Charging at home</b>	Based on UK average of £0.1440p per kWh.			£0.1440	£0.144	£27.09
<b>Char.gy Casual</b>		£48.99	£0.00	£0.00	£0.2605	£48.99
<b>GeniePoint</b>		£0.00	£0.50	£0.30	£0.3213	£60.43
<b>Source London Full</b>	Cost is time based, 3.6p per minute. To charge 80% of 30kWh battery @7kW charger would take 3.4hours or 204 minutes. Hence cost would be £7.34 per 24kW charge session or £0.3058 per kW. Plus monthly cost.	£4.00	£0.00	£0.3058	£0.3271	£61.52
<b>Char.gy Plus</b>		£67.99	£0.00	£0.00	£0.3615	£67.99
<b>Char.gy PAYG</b>		£0.00	£0.00	£0.39	£0.39	£73.36
<b>Source London Flexi</b>	£10 one off fee included as annual cost, divided by 12 months. Cost is time based, 5.9p per minute. To charge 80% of 30kWh battery @7kW charger would take 3.4hours or 204 minutes. Hence cost would be £12.03 per 24kW charge session or £0.5012 per kW. Plus monthly cost.	£0.83	£0.00	£0.5012	£0.5056	£95.11
<b>Averages</b>	<b>Not including free networks</b>				<b>£0.2264</b>	<b>£42.59</b>

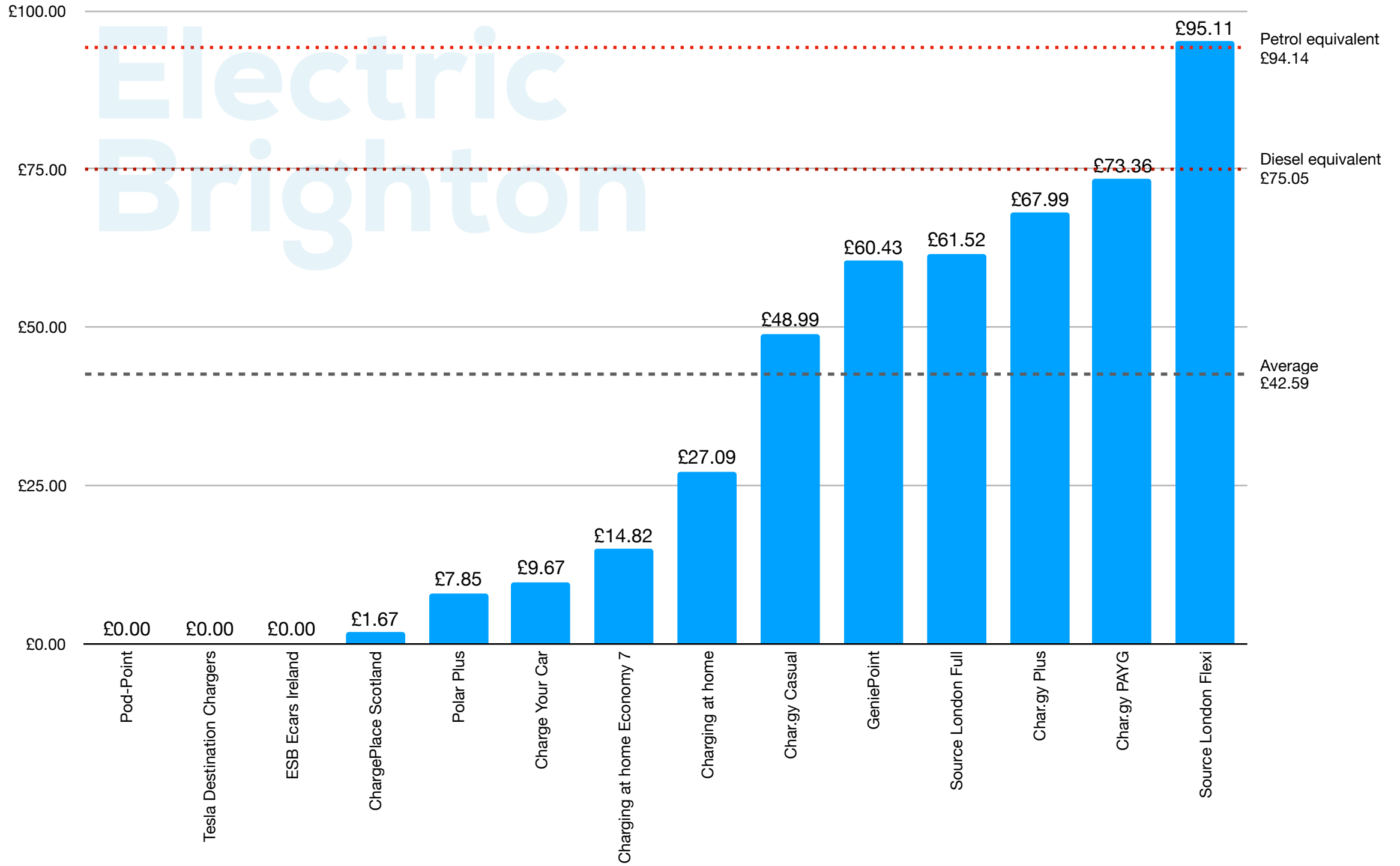
# 7kW "Fast" Chargers cost per kWh - Summer 2018

■ Cost per kWh or effective cost per kW - calculated for 658 miles or 188kWh



# 7kW "Fast" Chargers - Cost to travel average monthly mileage - Summer 2018

■ Cost per month for the average UK mileage of 658 miles

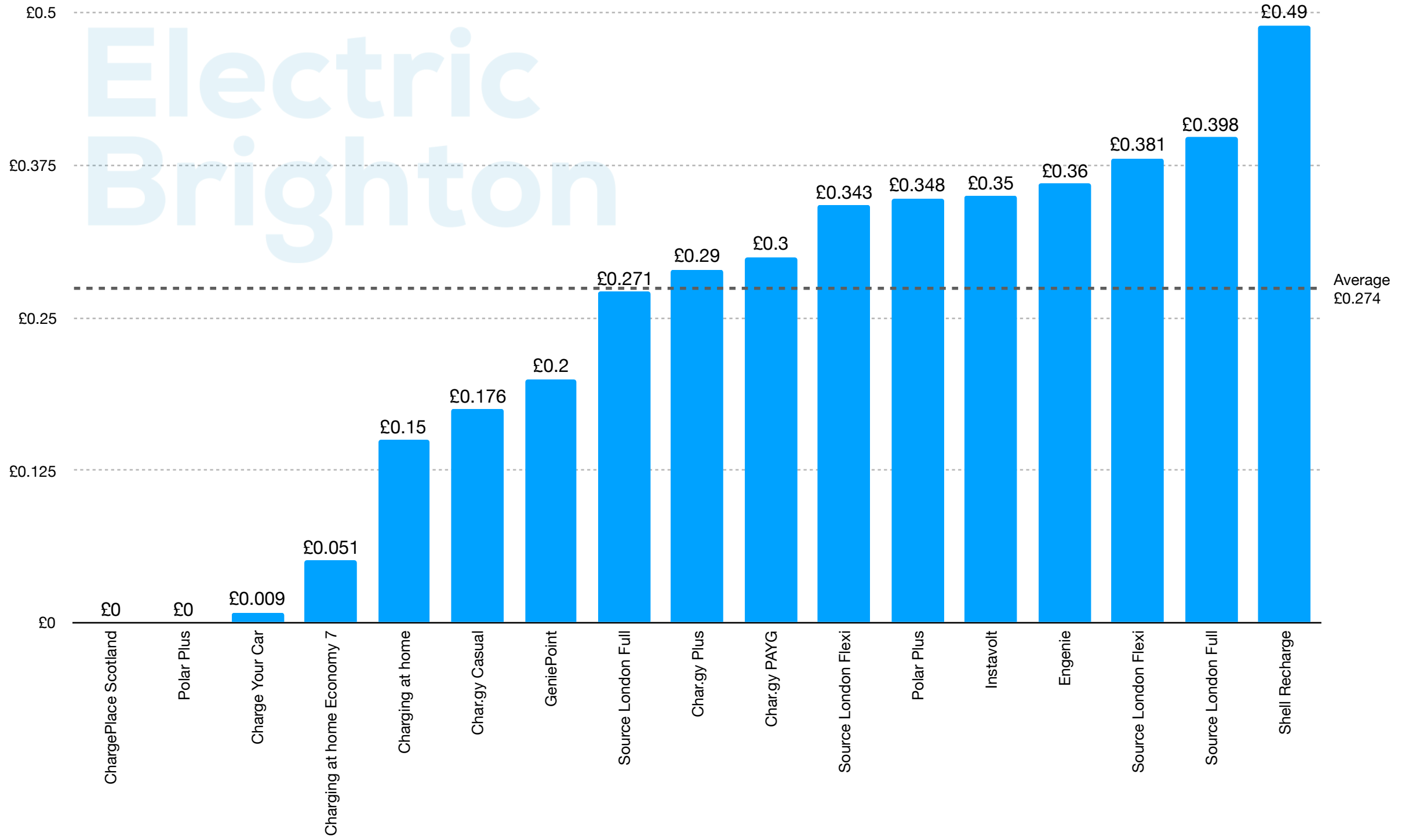


### Rapid Charger Networks

	Notes	Monthly or equivalent monthly cost	Connection cost per charge	Stated cost per kW	Cost per kWh or effective cost per kW for 658 miles / 188kWh	Cost per month for the average UK mileage of 658 miles
<b>Petrol</b>						£94.14
<b>Diesel</b>						£75.05
<b>Pod-Point</b>	The majority of Pod-Point rapids are free. Some do charge however.	£0.00	£0.00	£0.0000	£0	£0.00
<b>ESB Ecars Ireland</b>	Free network for Republic of Ireland	£0.00	£0.00	£0.0000	£0	£0.00
<b>ChargePlace Scotland</b>	Annual membership of £20.	£1.67	£0.00	£0.0000	£0.0089	£1.67
<b>Charge Your Car</b>	Annual membership of £20.	£1.67	£1.00	£0.00	£0.0514	£9.67
<b>Ecotricity (home energy customer)</b>		£0.00	£0.00	£0.1500	£0.15	£28.21
<b>ChargerNet</b>	£20 annual fee. £4 per hour. To charge 80% of 30kWh battery @50kW charger would take 0.48hours or 28 minutes. Hence cost would be £4 per 24kW charge session or £0.1667 per kW.	£1.67	£0.00	£0.1667	£0.17556075949367	£33.02
<b>Tesla Superchargers</b>		£0.00	£0.00	£0.2000	£0.2	£37.62
<b>ESB EV Solutions</b>		£4.00	£0.00	£0.2500	£0.27126582278481	£51.02
<b>ESB EV Solutions PAYG</b>		£0.00	£0.00	£0.2900	£0.29	£54.55
<b>Ecotricity</b>		£0.00	£0.00	£0.3000	£0.3	£56.43
<b>GeniePoint</b>		£0.00	£1.00	£0.30	£0.3425	£64.43
<b>Polar Plus</b>	Monthly membership. Prices at Rapids vary, Lewes picked as example but free locations are available.	£7.85	£2.50	£0.2000	£0.3481	£65.47
<b>Instavolt</b>		£0.00	£0.00	£0.3500	£0.35	£65.83
<b>Engenie</b>		£0.00	£0.00	£0.3600	£0.36	£67.71
<b>Source London Flexi</b>	£10 one off fee included as annual cost, divided by 12 months.	£0.83	£1.80	£0.3000	£0.3810	£71.66
<b>Source London Full</b>		£4.00	£1.80	£0.3000	£0.3978	£74.83
<b>Shell Recharge</b>		£0.00	£0.00	£0.4900	£0.49	£92.17
<b>Average</b>	<b>Not including free networks</b>				<b>£0.2744</b>	<b>£51.62</b>

# Rapid Chargers cost per kWh - Summer 2018

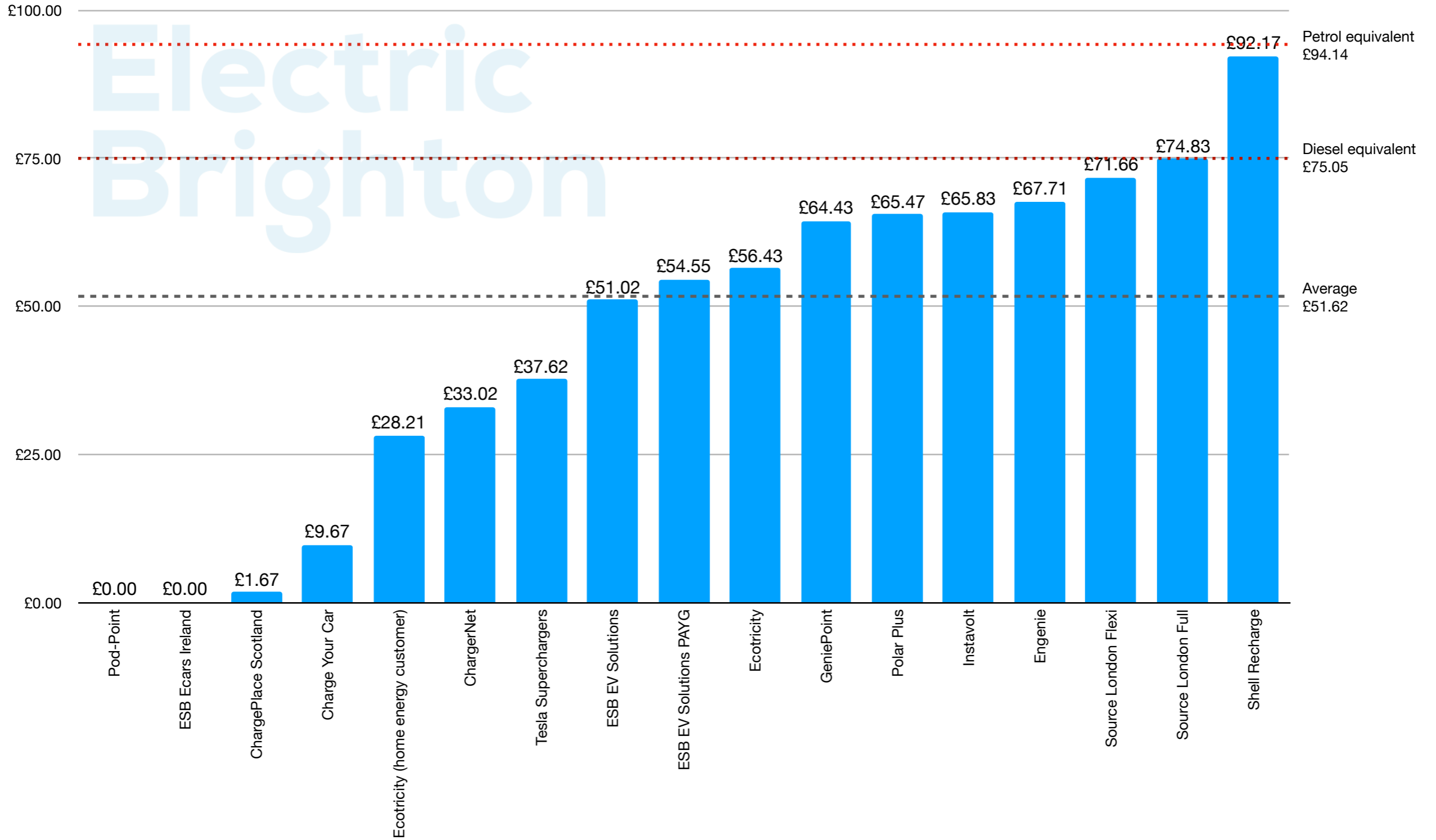
■ Cost per kWh or effective cost per kW for 658 miles / 188kWh



Electric Brighton

# Rapid Chargers - Cost to travel average monthly mileage - Summer 2018

■ Cost per month for the average UK mileage of 658 miles



Electric Brighton

## Settings

		Notes
<b>Average monthly mileage</b>	658	Taken from: <a href="https://www.racfoundation.org/motoring-faqs/mobility#a24">https://www.racfoundation.org/motoring-faqs/mobility#a24</a>
<b>Average home UK electricity per kWh E7</b>	£0.0788	Taken from: <a href="https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/224/qep_224.xls">https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/224/qep_224.xls</a>
<b>Average home UK electricity per kWh</b>	£0.1440	Taken from: <a href="https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/224/qep_224.xls">https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/224/qep_224.xls</a>
<b>UK Advisory fuel rate cost (Petrol)</b>	£0.1430	Taken from: <a href="https://www.gov.uk/government/publications/advisory-fuel-rates/how-advisory-fuel-rates-are-calculated">https://www.gov.uk/government/publications/advisory-fuel-rates/how-advisory-fuel-rates-are-calculated</a>
<b>UK Advisory fuel rate cost (Diesel)</b>	£0.1140	Taken from: <a href="https://www.gov.uk/government/publications/advisory-fuel-rates/how-advisory-fuel-rates-are-calculated">https://www.gov.uk/government/publications/advisory-fuel-rates/how-advisory-fuel-rates-are-calculated</a>
<b>Average miles per kW</b>	3.5	
<b>Car battery size (kWh)</b>	30	
<b>Charge amount</b>	80%	
<b>kW of energy needed per month</b>	188	
<b>Number of chargers required for mileage</b>	8	