

**CYNGOR SIR POWYS COUNTY COUNCIL**  
**PORTFOLIO HOLDER DELEGATED DECISION**  
**by**  
**COUNTY COUNCILLOR JACKIE CHARLTON**  
**CABINET MEMBER FOR A GREENER POWYS**  
**November 2022**

**REPORT AUTHOR:** Tony Caine

**REPORT TITLE:** Electric Vehicle Charges

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**REPORT FOR:** Decision

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**1. Purpose**

- 1.1 To consider an increase in Electric Vehicle charges to be implemented as soon as possible.

**2. Background**

- 2.1 Whilst it is not a statutory duty for the authority to provide electric chargers, this infrastructure does provide a significant social value that benefits our communities both environmentally and economically, whilst helping to facilitate decarbonisation and the use of renewable energy.
- 2.2 Following consultation and using grant funding from various sources the authority has now installed electric charge points at 13 sites in public car parks across Powys.
- 2.3 Electric Vehicle charges are currently set at 35p per kwh. This price was originally set to align with other local authorities with similar infrastructure however this did not fully recover costs with the initial level of use of the chargers.
- 2.4 Energy Prices have increased substantially this year and will likely continue increase next year, thus requiring a significant subsidy by the Council if prices were to remain the same.
- 2.5 Other authorities have increased their charges to 65p per kWh and it is likely that they may increase this rate further in the future.
- 2.6 There are currently 13 car parks across Powys which, all but one, have a pair of fast 22kWh chargers. The one car park in Crickhowell has a single 22kWh charger due to capacity within the car park and the available electricity supply. Each charger is able to charge up to 2 vehicles at a time. A list of the locations can be seen [at Appendix A.](#)
- 2.7 Usage within the EVCPs varies from site to site and season to season. Data for the original 8 sites is enclosed in Appendix B for reference, data for the 5 new sites is limited for they have very recently been introduced.

### **3. Advice**

- 3.1 It is proposed to increase the charge rate for Electric Vehicles to 65p per kWh, to align with other local authorities and the market rate.
- 3.2 Whilst a significant increase, the proposed tariff will benchmark against other neighbouring authorities and reflect the current increases in energy costs.
- 3.3 The Council will continue to add social value within our communities whilst recovering a significant majority of the costs incurred.

### **4. Resource Implications**

- 4.1 The service does not expect to receive full cost recovery for the provision of EV charging within the council's car parks. EV uptake within Powys is in its infancy and making chargers available is seen as a driver to assist people to make the transition to EVs to contribute to Net Zero by 2030.
- 4.2 In the first 2/3 of the year to end of November 2022, it is forecasted that the EV chargepoints will make a loss of £9.5k. If charges remain the same at 35p per kWh, the forecast for the year is to make £16.8k loss.
- 4.3 Raising the charges to 65p per kWh for the last 1/3 of the financial year is expected to achieve a surplus within that period of £900 resulting in a forecasted loss of £8.6k for the year. Detail of the forecast can be seen in Appendix C. The budget for the service does make account of the losses predicted.
- 4.4 There are no significant additional costs to make the changes as only the ecommerce website will need updating by the supplier. Costs associated with this will be covered in the unforeseen additional cost allowance within the forecast.
- 4.5 Should the electric charges remain the same, it would be expected that the service would make £4.3k over a full year. However, it is expected the energy costs will increase from April 2023 and therefore it is proposed to keep the charges under review and revise as and when the costs change.
- 4.6 The Head of Finance (Section 151 officer) notes that the proposed increase in the charge does not fully recover the costs incurred but it does reduce the loss currently being supported by the Council. In the current economic climate and the ongoing volatility in energy costs the charge needs to be reviewed regularly and adjusted.

### **5. Legal implications**

- 5.1 Legal: the recommendations can be accepted from a legal point of view
- 5.2 The Head of Legal Services and the Monitoring Officer has commented as follows: "I note the legal comment and have nothing to add to the report".

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**6. Data Protection**

- 6.1 The proposal does not involve the processing of personal data.

**7. Comment from local member(s)**

- 7.1 This is a county wide proposal, comment from individual Members has not been sought.

**8. Impact Assessment**

- 8.1 An impact assessment is not considered necessary for the setting of these charges.

**9. Recommendation**

- 9.1 It is recommended to increase the charge rate for Electric Vehicles from 35p per kWh to 65p per kWh with immediate effect and implemented as soon as possible after the decision has been made. Given the current economic climate and the ongoing volatility in energy costs it is also recommended that this charge will be reviewed regularly and adjusted accordingly.

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## **Appendix A**

### **List of ChargePoint locations**

- Maengwyn Street Car Park, Machynlleth, SY20 8DY
- Mount Street Car Park, Llanidloes, SY18 6BZ
- Hereford Street Car Park, Presteigne, LD8 2AT
- High Street Car Park, Llandrindod Wells, LD1 6BG
- The Groe Car Park, Builth Wells, LD2 3BL
- The Watton Car Park, Brecon, LD3 7ED
- Church Street Car Park, Welshpool, SY21 7DD
- Back Lane Car Park, Newtown, SY16 2NH
- Bowling Green Lane Car Park, Knighton, LD7 1DJ
- Dark Lane Car Park, Rhayader, LD6 5DD
- Oxford Road Car Park, Hay-on-Wye, HR3 5EQ
- Beaufort Street Car Park\*, Crickhowell, NP8 1AE
- Heol Eglwys Car Park, Ystradgynlais, SA9 1EY

\* - currently only has one charger capable of charging 2 vehicles simultaneously.

For a current list please see [Electric Vehicle Charging - Powys County Council](#)

## Appendix B

### EVCP usage

Financial year 2020/2021			
Site	Name of Charger	kWh used	Num of Sessions
High St Car Park - Llandrindod Wells	DC6201 & DC6202	224.3	19
Church St Car Park - Welshpool	DC5701 & DC5702	1046.7	56
Back Lane Car Park, Newtown	DC5801 & DC5802	1354.8	133
Maengwyn St Car Park, Machynlleth	DC5901 & DC5902	1193.0	92
Mount St Car Park, Llanidloes	DC6001 & DC6002	854.6	83
Hereford St Car Park Presteigne	DC6101 & DC6102	89.7	12
Groe Car Park Builth Wells	DC6301 & DC6302	972.7	50
The Watton Car Park - Brecon	DC6401 & DC6402	766.7	44
<b>total</b>		<b>6502.5</b>	<b>489</b>

Note changepoints introduced Dec 2020

Financial year 2021/2022			
Site	Name of Charger	kWh used	Num of Sessions
High St Car Park - Llandrindod Wells	DC6201 & DC6202	2694.70	206
Church St Car Park - Welshpool	DC5701 & DC5702	4760.60	405
Back Lane Car Park, Newtown	DC5801 & DC5802	4684.90	461
Maengwyn St Car Park, Machynlleth	DC5901 & DC5902	9127.10	657
Mount St Car Park, Llanidloes	DC6001 & DC6002	5784.10	356
Hereford St Car Park Presteigne	DC6101 & DC6102	2484.50	171
Groe Car Park Builth Wells	DC6301 & DC6302	8145.30	599
The Watton Car Park - Brecon	DC6401 & DC6402	10119.20	560
		<b>47800.40</b>	<b>3415</b>

Information on the first month within the 5 new sites for comparison

New site	kWh	Events
Hay	2714.80	153
Crick	784.70	55
Rhayader	318.50	30
Knighton	157.80	16
Ystrad	204.40	12
<b>Total</b>	<b>4180.20</b>	<b>266</b>

## Appendix C

### Income predictions

	Forecast 22/23							forecast 23-24 <sup>1</sup>	
	total for 1st 2/3 yr								
	16 exist CPs	9 new CPs <sup>4</sup>	Total		last 1/3				yr totals
Total number of sessions	2330 <sup>2</sup>	873 <sup>3</sup>	3203		1922 <sup>2,3</sup>		5125		5970
Total kWh used	33165.06	12426.22	45591.278		27357.61		72948.89		84976.56
Total revenue generated	£11,607.77	£4,349.18	£15,956.95		£17,782.45		£33,739.40		£55,234.77
Bank fees & operating costs (36p per conn &5pkwh)	£2,473.75	£926.86	£3,400.61		£2,040.58		£5,441.19		£6,338.33
Phone support/network/SIM costs	£4,000.00	£937.50	£4,937.50		£3,250.00		£8,187.50		£9,375.00
Electricity @ 18.9947p per kWh (original sites)	£6,299.60		£6,299.60		£3,033.54		£9,333.15		£9,462.92
Electricity costs @40p per kWh (new sites)~		£4,970.49	£4,970.49		£4,554.86		£9,525.35		£14,051.74
Electricity standing charges @25.5p x 8 sites*	£496.74		£496.74		£248.37		£745.11		£745.11
Electricity standing charges @£2.066717 x 5 sites~		£943.59	£943.59		£1,258.11		£2,201.70		£3,774.34
Metering annual charges (£105.30)	£561.60	131.625	£693.23		£456.30		£1,149.52		£1,368.90
Annual Inspections	£1,600.00	£900.00	£2,500.00		£1,250.00		£3,750.00		£3,750.00
Unforeseen costs allowance	£1,000.00	£210.94	£1,210.94		£781.25		£1,992.19		£2,000.00
total	-£4,823.93	-£4,671.82	-£9,495.75		£909.43		-£8,586.31		£4,368.43

<sup>1</sup> – assuming costs remain the same

<sup>2</sup> – based on 21-22 usage

<sup>3</sup> – Based on Sept 22 usage [first full month] profiled across year the same as the existing 8 sites

<sup>4</sup> – New sites only operational from Sept 2022