








## Appendix 1

### Barbican Estate – Electric Vehicle Charging Points Working Party

Scoring matrix of charging facility options – (1 Very poor / 2 Poor / 3 Fair / 4 = Good / 5 = Very good)

Essential or Desired	Criteria	3kw Type 1	3.6 kw or 7kw (single phase) Type 2			11kw or 22 kw (three phase)	Daisy chain – up to 22kw Single or three phase	43kw (AC) & 50 kw (DC)
		Three pin socket	Wall mounted socket	Wall mounted - tethered cable	Charging post	Wall mounted – tethered cable	Wall mounted (1 master, 3-15 slaves)	Standalone – tethered cables
								
	Charging speed / time	2 (6-8 hours)	3 (3-4 hours)	3 (3-4 hours)	3 (3-4 hours)	4 (1-2 hours)	4 (1-2 hours)	5 (30 minutes)
E	Durability / robustness	2	4	3	4	3	3	3
E	Maintenance requirements	3	4	4	3	4	4	2
E	Vehicle compatibility	2	4	4	4	4	4	3
E	Disability discrimination	4	4	4	4	4	4	4
E	Power requirements	5	4	4	4	3	4	1
E	Usage monitoring	1	5	5	5	5	5	5
E	Health & safety issues	2	3	4	3	4	4	3
D	Ease of installation	5	4	4	2	4	4	1
D	Size / dimensions (planning consent)	5	4	4	2	4	4	1
D	Cost of infrastructure	5	4	4	3	3	5	1
D	Ease of use & convenience	3	3	4	3	4	4	4
	<b>TOTALs</b>	<b>39</b>	<b>46</b>	<b><u>47</u></b>	<b>40</b>	<b>46</b>	<b><u>49</u></b>	<b>33</b>

**Parking setup options – Initial phase of implementation (1 Very poor / 2 Poor / 3 Fair / 4 = Good / 5 = Very good)**

Criteria	EV users relocated & given dedicated bays	Communal bays – first come first served	Communal bays – booking system	Rapid charging hub	Every bay given dedicated charging point
Convenience for users	4	3	2	2	5
Ease of implementation	4	5	4	3	1
Ease of management	4	4	3	4	2
Wider resident support	4	4	4	4	3
Impact on parking supply	4	3	3	5	5
Visitor accessibility	3	4	3	5	4
Infrastructure requirements	5	5	4	2	1
Meets OLEV funding criteria	5	1	1	1	4
<b>TOTAL</b>	<b><u>33</u></b>	<b>29</b>	<b>24</b>	<b>26</b>	<b>25</b>
<i>Most suitable infrastructure</i>	<i>3.6kw, 7-22kw</i>	<i>7, 11, or 22kw</i>	<i>7, 11, or 22kw</i>	<i>43-50kw</i>	<i>3.6kw or 7kw</i>

**Highest scores and recommendations**

	Highest score	Second highest score
<b>EV charging facility</b>	Wall mounted daisy chain units up to 22 kw tethered cable (49)	Wall mounted up to 7kw tethered cable (47)
<b>Parking setup</b>	Relocated EV users with dedicated bay (33)	Communal bays – 1 <sup>st</sup> first served (29)