1999 TOYOTA RAV4-EV* (NiMH BATTERIES) PERFORMANCE CHARACTERIZATION SUMMARY

ELECTRIC TRANSPORTATION DIVISION

Urban Range
(On Urban Pomona Loop – see other side for map)

Freeway Range
(On Freeway Pomona Loop – see other side for map)

<table>
<thead>
<tr>
<th>Test</th>
<th>UR1</th>
<th>UR2</th>
<th>UR3</th>
<th>UR4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Payload (lb.)</td>
<td>160</td>
<td>160</td>
<td>766</td>
<td>766</td>
</tr>
<tr>
<td>AC kWh Recharge</td>
<td>31.80</td>
<td>33.96</td>
<td>32.72</td>
<td>32.22</td>
</tr>
<tr>
<td>AC kWh/mi.</td>
<td>0.329</td>
<td>0.394</td>
<td>0.360</td>
<td>0.434</td>
</tr>
<tr>
<td>Range (mi.)</td>
<td>92.8</td>
<td>84.8</td>
<td>89.5</td>
<td>68.9</td>
</tr>
<tr>
<td>Avg. Ambient Temp.</td>
<td>68.5°F</td>
<td>75.3°F</td>
<td>80.0°F</td>
<td>87.0°F</td>
</tr>
</tbody>
</table>

Note: A/C fluctuating and may have impacted A/C tests.

UR1: Urban Range Test, Min Payload, No Auxiliary Loads
UR2: Urban Range Test, Min Payload, A/C on High, Headlights on Low, Radio On
UR3: Urban Range Test, Max Payload, No Auxiliary Loads
UR4: Urban Range Test, Max Payload, A/C on High, Headlights on Low, Radio On

State of Charge Meter (UR1)

Charger

MEASURED VALUE AT PEAK AC POWER
- Voltage: 238.1 V rms
- Current: 29.39 A rms
- Real Power: 6.972 kW
- Reactive Power: 540.5 VAR
- Apparent Power: 6.997 kVA
- Total Power Factor: 1.00 PF
- Displacement Power Factor: 1.00 dPF
- Voltage THD: 3.1%
- Current THD: 3.0%
- Current TDD: 3.0%

* 1999 Inductive version tested.

Test Date: June 1999 / Revised: 10/07/99