Renewable energy buyback

Sample Schedules
2, 3, 4
SCHEDULE 2. SYSTEM DIAGRAM

**SAMPLE ONLY**

CUSTOMER ELECTRICAL INSTALLATION

CUSTOMER RENEWABLE ENERGY INSTALLATION

- Renewable Energy Source
- Grid Connected Inverter
- Energy Storage

Switchboard(s)
- Meter

HORIZON POWER NETWORK

CUSTOMER FINAL LOADS

- Final Loads
**SCHEDULE 3. CIRCUIT DIAGRAM**

**SAMPLE ONLY**

![Circuit Diagram]

- HP NETWORK: Single Phase 240V a.c.
- POINT OF CONNECTION:
  - MAIN SWITCHBOARD
  - Neutral Link
  - MEN
  - Earth Link
- To Renewable Energy Installation (SHEET 2)
- INVERTER MAIN SWITCH & OVER CURRENT PROTECTION
- MAIN SWITCH 20A
- To Customer Final Loads
SCHEDULE 3. CIRCUIT DIAGRAM CONTINUED

**SAMPLE ONLY**

- PV ARRAY (1 str 13 cells 190W ea)
- PV ARRAY ISOLATOR (d.c)
- INVERTER 1 (with grid protection device)
- From Main Switchboard (SHEET 1)
- 25A INVERTER LOCAL ISOLATOR (a.c)
- Battery
  - 48V d.c
  - 300Ah
## Schedule 4. Cable Data

**Sample Only** Concept Drawings (Sample):

![Diagram of cable layout](image)

**Note**: Include cable information for all power cables between inverter and Point of Supply.

<table>
<thead>
<tr>
<th>Concept Drawing Item</th>
<th>Cable Length</th>
<th>Cable Type</th>
<th>Installation Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>10m</td>
<td>4mm², 2 Core + Earth, PVC/PVC, Copper</td>
<td>In Roof Space</td>
</tr>
<tr>
<td>2</td>
<td>20m</td>
<td>4mm², 2 Core, PVC/PVC, Copper</td>
<td>Underground</td>
</tr>
<tr>
<td>3</td>
<td>30m</td>
<td>4mm², 2 Core, Bare, Copper</td>
<td>Overhead</td>
</tr>
</tbody>
</table>