

# **Renewables and CHP** Register workshop **RO 2009 changes**

18 March 2009

| Agenda |  |  |
|--------|--|--|
| 09.30  | Registration and coffees   |  |
| 10.00  | Presentation on Banding, Biomass and Waste issues                                    |  |
| 11:30  | Q&A  |  |
| 11.45  | Tea/Coffee break   |  |
| 12.00  | Presentation on Micro-generation,<br>Private wire and Other register<br>improvements |  |
| 12:45  | Q&A  |  |
| 13:00  | Buffet lunch   |  |



### for all gas and electricity customers

## **Aims of Today's Workshop**

- To demonstrate how changes to Renewable Obligation Orders 2009 are being incorporated into the Renewables and CHP Register, these changes are:
  - Banding;
  - Grandfathering;
  - Biomass and Waste issues;
  - Private wire network; and
  - Micro-generation.
- Other improvements to the Register



## BANDING

- Factors that determine Banding levels (ROCs/MWh of generation), are:
  - technology used;
  - location;
  - date commissioned or received preliminary/full accreditation;
  - installed capacity;
  - fuel mix; and
  - any statutory grant.
- Grandfathering exceptions to Banding levels
- Additional Capacity exceptions to Banding levels
- Other exceptions
- ROC certificate identifier



## Grandfathering

| Criteria  | No. MWh per ROC                          |
|---|--|
| Stations granted full accreditation on or before 11/07/2006   | 1 MWh per ROC                            |
| Stations granted full accreditation after 11/07/2006 and before 1/04/2009, where station's technology is banded up on 01/04/2009  | Banded up to the appropriate higher Band |
| Stations granted full accreditation after 11/07/2006 and before 1/04/2009, where station's technology is banded down on 1/04/2009 | 1 MWh per ROC                            |



### **Additional Capacity Exceptions**

| Criteria   | No. MWh per ROC   |
|--|---|
| Stations granted full accreditation as<br>at 11/07/2006 with additional<br>capacity added after 11/07/2006 but<br>before 1/04/2011 | Original capacity – 1 MWh per ROC<br>Additional capacity – Banded up or<br>down as appropriate<br>Landfill and Sewage (Additional<br>capacity)– 1 MWh per ROC         |
| Stations granted full accreditation<br>after 11/7/06 with additional capacity<br>added before 1/04/2011                            | Original capacity - 1 MWh per ROC<br>Additional capacity – Banded up to<br>the appropriate higher Band<br>Landfill and Sewage (Additional<br>capacity)– 1 MWh per ROC |

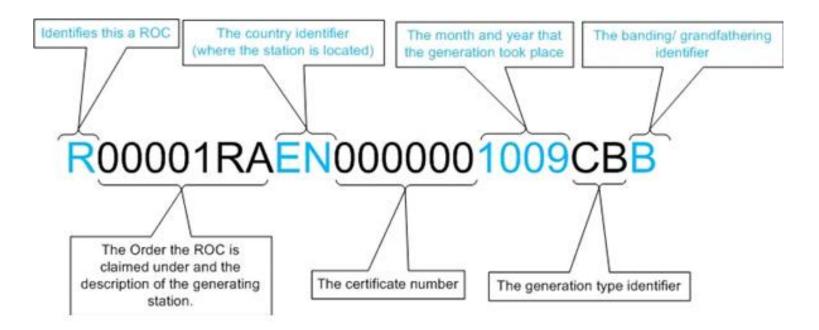


### **Other Exceptions**

- Exceptions to Banding and Grandfathering rules apply to:
  - Co-firing of biomass 2 MWh per ROC
  - Co-firing of energy crops 1 MWh per ROC
  - Waste with CHP 1 MWh per ROC
  - Micro-generation ½ MWh per ROC
  - Stations with grants Banded down as appropriate/ 1 MWh per ROC until the grant is repaid
- DECC will provide Ofgem with details of stations in receipt of grants



### **ROC Certificate Identifier**



### **Technology Code**

| Technology type              | RO Code | ROS code | NIRO Code |
|------------------------------|---------|----------|-----------|
| Fuelled                      | RA      | SA       | NA        |
| Geopressure                  | RM      | SM       | NM        |
| Geothermal                   | RG      | SG       | NW        |
| Micro-hydro                  | RD      | SD       | ND        |
| Hydro with a DNC $\leq$ 20MW | RE      | SE       | NE        |
| Hydro with a DNC $> 20$ MW   | RF      | SF       | NF        |
| Landfill gas                 | RJ      | SJ       | NJ        |
| Off-shore wind               | RP      | SP       | NP        |
| On-shore wind                | RQ      | SQ       | NQ        |
| Sewage gas                   | RR      | SR       | NR        |
| Tidal power (Barrage) > 3GW  | RI      | SI       | NI        |
| Tidal power                  | RS      | SS       | NS        |
| Tidal Power (lagoon)         | RH      | SH       | NH        |
| Wave power                   | RT      | ST       | NT        |
| Photovoltaic                 | RU      | SU       | NU        |



### **Country Code**

| Country          | Code |
|------------------|------|
| England          | EN   |
| Wales            | WA   |
| Scotland         | SC   |
| Northern Ireland | NI   |



## **Non-Fuelled Generation Type – MWh per ROC**

| Generation Type   | Code | Banded<br>MWh per ROC |
|---|------|-----------------------|
| Landfill gas  | LG   | 4                     |
| Sewage gas  | SG   | 2                     |
| On-shore wind   | NW   | 1                     |
| Hydro-electric  | HE   | 1                     |
| Geopressure   | GP   | 1                     |
| Off-shore wind  | OW   | 2/3                   |
| Wave  | WV   | 1/2                   |
| Tidal-stream  | TS   | 1/2                   |
| Solar Photovoltaic  | PV   | 1/2                   |
| Geothermal  | GT   | 1/2                   |
| Tidal impoundment – Tidal barrage                           | ТВ   | 1/2                   |
| Tidal impoundment – tidal lagoon                            | TL   | 1/2                   |
| Existing certificates issued for generation before April 09 | XX   | 1                     |



### **Fuelled Generation Type – MWh per ROC**

| Generation Type  | Code | Banded<br>No. MWh per ROC |
|--|------|---------------------------|
| Co-firing of biomass                                       | СВ   | 2                         |
| Co-firing of energy crops                                  | CE   | 1                         |
| Energy from waste with CHP                                 | WH   | 1                         |
| Co-firing of Biomas with CHP                               | СН   | 1                         |
| Standard gasification                                      | GS   | 1                         |
| Standard pyrolysis   | PS   | 1                         |
| Dedicated Biomass  | DB   | 2/3                       |
| Advance gasification                                       | GA   | 1/2                       |
| Advance pyrolysis  | PA   | 1/2                       |
| AD   | AD   | 1/2                       |
| Dedicated energy crops                                     | DE   | 1/2                       |
| Dedicated biomass with CHP                                 | BC   | 1/2                       |
| Dedicated energy crops with CHP                            | EC   | 1/2                       |
| Other  | ОТ   | 1                         |
| Existing certificates issued on generation before April 09 | XX   | 1                         |



### **Banding and Grandfathering Codes**

|  | 1 ROC/MWh | Banded under<br>ROO 2009 | Banded under<br>the next review |
|--|-----------|--------------------------|---------------------------------|
| General  | A         | С                        | E                               |
| NFFO AMO   | В         | D                        | F                               |
| NI station supplying E/W/S                                 | Ν         | Р                        | R                               |
| NINFFO AMO NI station supplying E/W/S                      | 0         | Q                        | S                               |
| Existing certificates issued on generation before April 09 | Х         |                          |                                 |



## **Example 1**

- Stations granted full accreditation on or before 11/07/2006, example for:
  - an off-shore wind technology
  - accredited before 11/07/2006
- Grandfathered at 1 MWh per ROC



for all gas and electricity customers

| Generating Station Details |            |
|----------------------------|------------|
| Generating Station Name    | TESTGEN1   |
| RO Accreditation ID        | R00019RPEN |

#### Export output

| Type of eligible output | kWh generated | MPAN/Meter serial number        |
|-------------------------|---------------|---------------------------------|
| Export only             | 5000000       | Original1; original1; on-site 1 |

#### Input deduction

| Total input deduction from ROC issue (kWh) | 0.000000 |
|--|----------|
| Total ROC Qualifying percentage            | 100      |

#### Certficates claimed

| ROCs claimed | 5000 |
|--------------|------|
|--------------|------|

#### Please enter any comments related to this Output submission

| Amend | Confirm | Print | Certificates breakdown |
|-------|---------|-------|------------------------|
|-------|---------|-------|------------------------|



E.

| ofgem Promoting for all gas a                                 | choice and value<br>and electricity customers                                      | Accessibility   Contact us   Site map   Links |
|---|--|---|
| My Account Accreditation                                      | Declaration Output Data Certificates Reports                                       |   |
| & back to home page<br>Fuel Maintenance<br>Submit Output Data | Home Page > Output Data > Submit Output Data<br>Break down of certificates claimed |   |
| Submit Output Spreadsheet                                     | ROC's  | ROCs claimed based on Original capacity       |
| Edit Submitted Output Data                                    | Off-shore wind (RO code = RP)  | 5000  |
| Apply For Estimates Of Output<br>Data                         | Total  | 5000  |
| View Output History<br>Answer Ofgem Queries On<br>Output      | Back   |   |
| 📎 Log out   | 1  |   |



### **Certificate Issued Report**

All Certificates by Accreditation (RO)

Period of Generation : Apr-09

Total certificates:

5,000

| Accredi | itation | Generating | Capacity | Scheme | Country | Technology        | Output      | No Of        | Start Certificate       | End Certificate         |
|---------|---------|------------|----------|--------|---------|-------------------|-------------|--------------|-------------------------|-------------------------|
|         |         | Station    |          |        |         | Group             | Period      | Certificates |                         |                         |
| R00019R | RPEN    | TESTGEN1   | 30000    | RO     | England | Off-shore<br>Wind | Apr<br>2009 | 5000         | R00019RPEN0000000109OWA | R00019RPEN0049990109OWA |



## Example 2

- Stations granted full accreditation after 11/07/2006 and before 1/04/2009, where technology is banded up on 1/04/2009. For example:
  - an off-shore wind technology
  - accredited after 11/07/2009 but before 01/04/2009
- Banded up at 2/3 MWh per ROC



### ofgem Promoting choice and value

### for all gas and electricity customers

#### **Generating Station Datails Generating Station Name** SANDEDGEN A **RO Accreditation ID** R00021RPEN

#### Export output

| Type of eligible output | kWh generated | MPAN/Meter seriel number |
|-------------------------|---------------|--------------------------|
| Export only             | 500 000 0     | GENA experti             |

#### Input electricity

| Type of input  | kWh generated | MPAN/Meter seriel number |
|--|---------------|--------------------------|
| Import *   | 1000          | GENA Import 1            |
| Is "import" to be deducted from LEC issue?                         | Yes           |                          |
| Generated by the generating station *                              | 2000          | GENA genbyl              |
| Is the "generated" input electricity already deducted from output? | Yes           |                          |
| Standby generation *   | 1000          | GENA standby 1           |

#### Input deduction

| Total input deduction from ROC issue (kWh) | 1,000.000000 |
|--|--------------|
| Total ROC Qualifying percentage            | 100          |

#### Certficates claimed

| ROCs claimed | 7499 |
|--------------|------|
|--------------|------|

#### Please enter any comments related to this Output submission

| TI | ST DAT | A BANDING 8 | - |
|----|--------|-------------|---|
|    |        |             |   |
|    |        |             |   |
|    |        |             |   |
|    |        |             |   |
|    |        |             |   |
|    |        |             | ÷ |
| _  |        | 2<br>2      |   |
|    |        |             |   |

Amend Confirm Print Certificates breakdown



### ofgem Promoting choice and value

for all gas and electricity customers

| My Account Accreditation               | Declaration Output Data Certificates Reports                                       |   |
|--|--|---|
| back to home page     Fuel Maintenance | Home Page > Output Data > Submit Output Data<br>Break down of certificates claimed |   |
| Submit Output Data                     | ROC's  | ROCs claimed based on Original capacity |
| Edit Submitted Output Data             | Off-shore wind (RO code = RP)  | 7499                                    |
| Apply For Estimates Of Output<br>Data  | Total  | 7499                                    |
| View Output History                    | Back   |   |
| Answer Ofgem Queries On<br>Output      |  |   |
| 📎 Log out                              |  |   |
|  |  |   |



### **Certificates Issued Report**

All Certificates by Accreditation (RO)

Period of Generation :

Apr 2009

Total certificates:

7,499

| Accreditation | Capacity | Scheme | Country | Technology<br>Group | -           | No Of<br>Certificates | Start Certificate       | End Certificate         |
|---------------|----------|--------|---------|---------------------|-------------|-----------------------|-------------------------|-------------------------|
| R00021RPEN    | 50000    | RO     | England | Off-shore<br>Wind   | Apr<br>2009 | 7499                  | R00021RPEN0000000409OWC | R00021RPEN0074980409OWC |



## **Example 3**

- Stations granted full accreditation after 11/07/2006 and before 1/04/2009, where its technology is banded down on 01/04/2009. For example:
  - a landfill gas
  - accredited after 11/07/2006 and before 1/04/2009
- Grandfathered at 1 MWh per ROC

ofgem Promoting choice and value

for all gas and electricity customers

| Generating Station Datails   |               |                          |
|--|---------------|--------------------------|
| Generating Station Name  | TESTGENS      |                          |
| RO Accreditation ID  | R00604RJEN    |                          |
| Export output  |               |                          |
| Type of eligible output  | kWh generated | MPAN/Meter seriel number |
| Export only  | 800 00        | export1                  |
| Input electricity  |               |                          |
| Type of input  | kWh generated | MPAN/Meter seriel number |
| Import *   | 0             | Importi                  |
| Is "import" to be deducted from LEC issue?                         | No            |                          |
| Cenereted by the generating station *                              | 0             |                          |
| Is the 'generated' input electricity already deducted from output? | No            |                          |

#### Input deduction

| Total input deduction from ROC issue (kWh) | 0.000000 |
|--|----------|
| Total ROC Qualifying percentage            | •        |

#### Certficates claimed

| ROCE |  |
|------|--|

60

#### Please enter any comments related to this Output submission

| Stations | granted | full  | accreditation  | after   | 11/07/2006 | and | before | 1/04/2009, | where | technology | is | banded |   |
|----------|---------|-------|----------------|---------|------------|-----|--------|------------|-------|------------|----|--------|---|
| down     |         |       |                |         |            |     |        |            |       |            |    |        |   |
|          |         |       |                |         |            |     |        |            |       |            |    |        |   |
|          |         |       |                |         |            |     |        |            |       |            |    |        |   |
|          |         |       |                |         |            |     |        |            |       |            |    |        |   |
|          |         |       |                |         |            |     |        |            |       |            |    |        |   |
|          |         |       |                |         |            |     |        |            |       |            |    |        |   |
|          |         |       |                |         |            |     |        |            |       |            |    |        | _ |
| Amend    | Confirm | Print | Certificates b | reakdow | n          |     |        |            |       |            |    |        |   |



| ofgem Promoting                       |  |             |               |   |   |
|---------------------------------------|--|-------------|---------------|---|---|
| for all gas a                         | nd electricity cu  | stomers     |               |   | Accessibility   Contact us   Site map   Links |
| My Account Accreditation              | Declaration 0  | utput Data  | Certificates  | Reports                                 |   |
| 🛞 back to home page                   | Home Page > Out  |             |               |   |   |
| >> Fuel Maintenance                   | Break dow  | n of certif | ficates clain | ned                                     |   |
| 📎 Submit Output Data                  | _  |             |               |   |   |
| 📎 Submit Output Spreadsheet           | Output Spreadsheet ROC's ROCs claimed based on Original capacity |             |               | ROCs claimed based on Original capacity |   |
| 📎 Edit Submitted Output Data          | mitted Output Data Landfill gas (RO code = RJ)                   |             | 60            |   |   |
| Apply For Estimates Of Output<br>Data |  |             | Total         |   | 60  |
| 📎 View Output History                 | Back   |             |               |   |   |
| Answer Ofgem Queries On<br>Output     | 223.   |             |               |   |   |
| ightarrow Log out                     |  |             |               |   |   |
|                                       |  |             |               |   |   |
|                                       |  |             |               |   |   |



### **Certificate Issued Report**

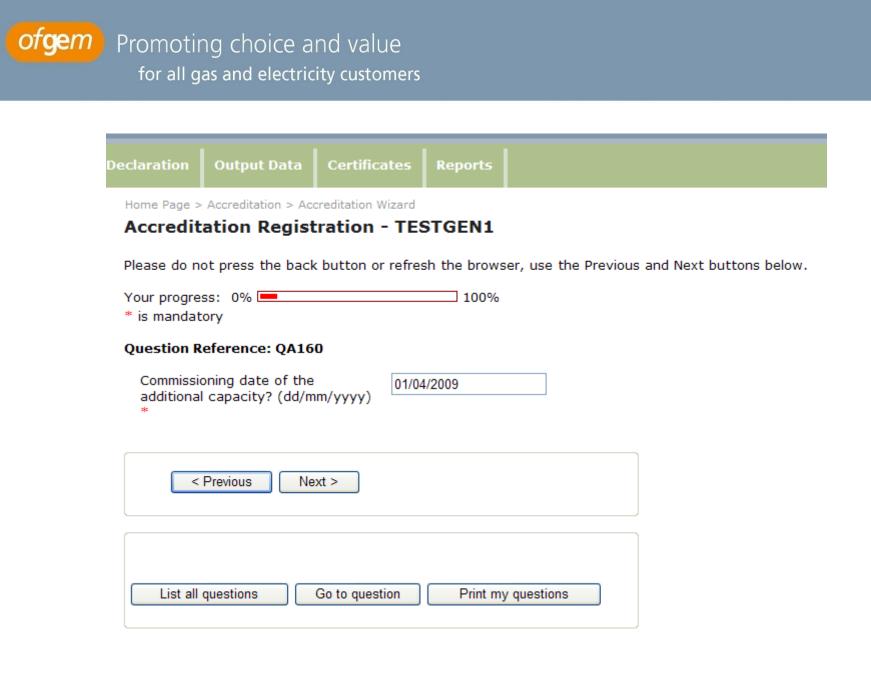
| All Certificates by Accreditation (RO) |          |
|--|----------|
| Period of Generation :                 | Apr 2009 |
| Total certificates:                    | 60       |

| Accreditation | Capacity | Scheme | Country |              | -           | No Of<br>Certificates | Start Certificate       | End Certificate         |
|---------------|----------|--------|---------|--------------|-------------|-----------------------|-------------------------|-------------------------|
| R00604RJEN    | 70000    | RO     | England | Landfill Gas | Apr<br>2009 | 60                    | R00604RJEN0000000209LGA | R00604RJEN0000590409LGA |



### **Key Application Questions Additional Capacity**

| Declaration                | Output Data Co                                   | ertificates    | Reports      |                |            |                |       |
|----------------------------|--|----------------|--------------|----------------|------------|----------------|-------|
| _                          | Accreditation > Accredi                          |                | STGEN1       |                |            |                |       |
| Please do n                | ot press the back but                            | tton or refree | sh the brows | er, use the Pr | evious and | Next buttons b | elow. |
| Your progre<br>* is mandat | ss: 0% 💻   |                | 100%         |                |            |                |       |
| Question R                 | eference: QA150                                  |                |              |                |            |                |       |
|                            | vant to add additional<br>to the generating<br>* | ⊙ Yes<br>○ No  | 5            |                |            |                |       |
| <                          | Previous Next >                                  |                |              |                |            |                |       |
| List all                   | questions Go t                                   | o question     | Print my     | questions      | ]          |                |       |





Declaration Output Data Certificates Reports

Home Page > Accreditation > Accreditation Wizard

### Accreditation Registration - TESTGEN1

Please do not press the back button or refresh the browser, use the Previous and Next buttons below.

Your progress: 0% = 100% \* is mandatory

You can now edit the value(s) Please click the edit button to edit your response.

#### **Question Reference: QA170**

| What is the installed generating               | 5000 |
|--|------|
| capacity of the additional capacity<br>(kW)? * |      |

| < Previous         | Next >         |                    |
|--------------------|----------------|--------------------|
| List all questions | Go to question | Print my questions |





Home Page > Accreditation > Accreditation Wizard

### Accreditation Registration - TESTGEN1

Please do not press the back button or refresh the browser, use the Previous and Next buttons below.

Your progress: 0% 💻 100%

\* is mandatory

#### **Question Reference: QA180**

What is the declared net capacity 5000 (DNC) of the additional (kW)? \*

| < Previous | Next > |  |  |
|------------|--------|--|--|
|            |        |  |  |

| List all questions | Go to question | Print my questions |
|--------------------|----------------|--------------------|



| aration | Output Data Certificates | Reports |
|---------|--------------------------|---------|
|---------|--------------------------|---------|

Home Page > Accreditation > Accreditation Wizard

### Accreditation Registration - TESTGEN1

Please do not press the back button or refresh the browser, use the Previous and Next buttons below.

Your progress: 0% 100% 100%

You can now edit the value(s) Please click the edit button to edit your response.

#### Question Reference: QF501

How many meters are installed to measure electricity exported to the licensed transmission and/or distribution network? \*

| 2 🗸 |
|-----|
|-----|

| < Previous Next >                                    |
|--|
|  |
| List all questions Go to question Print my questions |



### ofgem Promoting choice and value

List all questions

Go to question

### for all gas and electricity customers

| Declaration                    | Output Data  | Certificates   | Reports                             |   |  |  |     |  |
|--------------------------------|--|----------------|-------------------------------------|---|--|--|-----|--|
| -                              | Accreditation > Acc  |                | STGEN1                              |   |  |  |     |  |
| Please do n                    | Please do not press the back button or refresh the browser, use the Previous and Next buttons below. |                |                                     |   |  |  | ow. |  |
| Your progre<br>* is mandat     | ss: 0% <b>ees</b>  |                | 100%                                |   |  |  |     |  |
|                                | w edit the value(<br>the edit button t   |                | onse.                               |   |  |  |     |  |
| Question R                     | eference: QF50   | 7              |                                     |   |  |  |     |  |
| Make: *                        |  | make           | eoriginal1                          |   |  |  |     |  |
| Type/Moo                       | del: *   | mode           | loriginal1                          |   |  |  |     |  |
| Serial Nur                     | mber:  | Origir         | nal1                                |   |  |  |     |  |
| Please se<br>measuring         | lect what the me<br>g:   |                | ginal Capacity<br>litional Capacity | 1 |  |  |     |  |
| Please se                      | lect all that apply  | /· *           |                                     |   |  |  |     |  |
| Does the<br>metering<br>which? | metering conform<br>standards and if   | n to any<br>so |                                     |   |  |  |     |  |
| What is t<br>metering?         | he accuracy leve   | l of the       |                                     |   |  |  |     |  |
|                                | Previous Ne  | xt >           |                                     |   |  |  |     |  |

Print my questions



### for all gas and electricity customers

| eclaration                     | Output Data  | Certificates   | Reports                                 |           |  |  |
|--------------------------------|--|----------------|---|-----------|--|--|
| -                              | Accreditation > Acc  |                | STGEN1                                  |           |  |  |
| Please do n                    | Please do not press the back button or refresh the browser, use the Previous and Next buttons below. |                |   |           |  |  |
| Your progre<br>* is mandat     | ss: 0% 💻 💻   |                | 100%                                    |           |  |  |
|                                | w edit the value(<br>the edit button f   |                | onse.                                   |           |  |  |
| Question R                     | eference: QF51   | 6              |   |           |  |  |
| Make : *                       |  | make           | eAdditional1                            |           |  |  |
| Type/Moo                       | del:*  | mode           | elAdditional1                           |           |  |  |
| Serial Nur                     | mber :   | SNA            | dditional1                              |           |  |  |
| Please se<br>measuring         | lect what the me<br>g:   | Ori            | ginal Capacity<br>ditional Capacity     | 1         |  |  |
| Please se                      | lect all that apply  |                | , | -         |  |  |
| Does the<br>metering<br>which? | metering conform<br>standards and if   | n to any<br>so |   |           |  |  |
| What is t<br>metering?         | he accuracy leve   | l of the       |   |           |  |  |
| <                              | Previous Ne  | xt >           |   |           |  |  |
| List all                       | questions  | Go to question | Print my                                | questions |  |  |



| C | eclaration   | Output Data   | Certificates  | Reports                   |             |  |  |
|---|--|---|---|---------------------------|-------------|--|--|
|   | -  | Accreditation > Accreditation > Accreditation Regist  |   | STGEN1                    |             |  |  |
|   | Please do not press the back button or refresh the browser, use the Previous and Next buttons below. |   |   |                           |             |  |  |
|   |  | Your progress: 0% 100% * is mandatory   |   |                           |             |  |  |
|   | Question R   | eference: QG50  | 0   |                           |             |  |  |
| n | on the se<br>each pha<br>capacitie<br>claim ROC<br>on the ba<br>to the ph                            | vant to claim ROC<br>eparate metered of<br>use of total install<br>s OR do you wan<br>Cs by apportionin<br>asis of a fraction<br>hases of total inst<br>s of the plant at | output of Pro<br>ed Pro<br>t to<br>g output<br>pro-rata<br>called | arately metered<br>- rata |             |  |  |
|   |  | Previous Ne   | ext >   |                           |             |  |  |
|   | List all   | questions   | Go to question  | Print m                   | y questions |  |  |



## **Example 4**

- Stations granted full accreditation as at 11/07/2006 with additional capacity added after 11/07/2006 but before 1/04/2011. For example:
  - an Off-shore wind
  - accredited before 11/07/2006
  - with additional capacity added after 11/07/2006 but before 1/04/2011
- Output from Original capacity grandfathered at 1 MWh per ROC
- Output from Additional capacity Banded up at 2/3 MWh per ROC



for all gas and electricity customers

| Generating Station                             | Details                                      |            |            |               |  |
|--|--|------------|------------|---------------|--|
| Generating Station                             | Generating Station Name                      |            | TESTGEN1   |               |  |
| RO Accreditation ID                            |  | R00019RPEN | R00019RPEN |               |  |
| Export output                                  |  |            |            |               |  |
|  | Type of eligible output                      |            | kWh genera | ated          | MPAN/Meter serial number                           |
| Total Export<br>Output                         | Export only                                  | ~          | System of  | derived value | Original1; SNAdditional1; original1;<br>on-site 1  |
| Export Output<br>from original<br>capacity     |  |            | 300000     |               | Original1; SNAdditional1; original1; on-<br>site 1 |
| Export Output<br>from additional<br>capacity 1 |  |            | 100000     |               |  |
| Input deduction                                |  |            |            |               |  |
| Total input deduction                          | on from ROC issue (kWh)                      | 0.00000    |            |               |  |
| Total ROC Qualifyin                            | ig percentage                                |            |            |               |  |
| Please enter an                                | y comments related to this Output submission |            |            |               |  |





### for all gas and electricity customers

| Generating Station Details |            |
|----------------------------|------------|
| Generating Station Name    | TESTGEN1   |
| RO Accreditation ID        | R00019RPEN |

#### Export output

|  | Type of eligible output | kWh generated  | MPAN/Meter serial number                           |
|--|-------------------------|----------------|--|
| Total Export<br>Output                         | Export only             | 400000         | Original1; SNAdditional1; original1;<br>on-site 1  |
| Export Output<br>from original<br>capacity     |                         | 300,000.000000 | Original1; SNAdditional1; original1; on-<br>site 1 |
| Export Output<br>from additional<br>capacity 1 |                         | 100,000.000000 |  |

#### Input deduction

| Total input deduction from ROC issue (kWh) | 0.000000 |
|--|----------|
| Total ROC Qualifying percentage            | 0        |

#### Certficates claimed

| ROCs claimed 450 |  |
|------------------|--|
|------------------|--|

#### Please enter any comments related to this Output submission

Print

| Amend |  | Confirm |
|-------|--|---------|
|-------|--|---------|

Certificates breakdown



| ofgem       Promoting choice and value         for all gas and electricity customers       Accessibility   Contact us   Site map   Links |   |                       |              |            |                               |   |  |  |  |
|--|---|-----------------------|--------------|------------|-------------------------------|---|--|--|--|
| My Account Accreditation   | Declaration   | Output Data           | Certificates | Reports    |                               |   |  |  |  |
| 🛞 back to home page  |   |                       |              |            |                               |   |  |  |  |
| >> Fuel Maintenance  | > Fuel Maintenance Break down of certificates claimed |                       |              |            |                               |   |  |  |  |
| 📎 Submit Output Data   |   |                       |              |            |                               |   |  |  |  |
| Submit Output Spreadsheet  |   | ROC's                 |              | ROCs claim | ed based on Original capacity | ROCs claimed based on Additional Capacity 1 |  |  |  |
| Edit Submitted Output Data   | Off-  | shore wind (RO code = | = RP)        |            | 300                           | 150   |  |  |  |
| Apply For Estimates Of Output<br>Data  |   | Total                 |              |            | 300                           | 150   |  |  |  |
| View Output History  | Back  |                       |              |            |                               |   |  |  |  |
| Answer Ofgem Queries On<br>Output  | Duck  |                       |              |            |                               |   |  |  |  |
| 📎 Log out  |   |                       |              |            |                               |   |  |  |  |
|  |   |                       |              |            |                               |   |  |  |  |



# **Certificate Issued Report**

| All | Certificates | by Accreditation | (RO) |
|-----|--------------|------------------|------|
|-----|--------------|------------------|------|

Period of Generation : Apr 2009

Total certificates:

450

| Accreditation | Capacity | Scheme | Country | Technology<br>Group | -           | No Of<br>Certificates | Start Certificate       | End Certificate         |
|---------------|----------|--------|---------|---------------------|-------------|-----------------------|-------------------------|-------------------------|
| R00019RPEN    | 30000    | RO     | England | Off-shore<br>Wind   | Apr<br>2009 | 300                   | R00019RPEN0000000409OWA | R00019RPEN0002990409OWA |
| R00019RPEN    | 30000    | RO     | England | Off-shore<br>Wind   | Apr<br>2009 | 150                   | R00019RPEN0000000409OWC | R00019RPEN0001490409OWC |



# **Example 5**

- Stations with grant received before 11/07/2006, which has not been repaid. For example:
  - wave technology
  - accredited after 11/07/2006
- Grandfathered at 1 MWh per ROC



## ofgem Promoting choice and value

## for all gas and electricity customers

| Generating Station Details                 |               |                          |
|--|---------------|--------------------------|
| Generating Station Name                    | TESTGRANT A   |                          |
| RO Accreditation ID                        | R00002RTEN    |                          |
| Export output                              |               |                          |
| Type of eligible output                    | kWh generated | MPAN/Meter serial number |
| Export only                                | 300000        | export1                  |
| Input electricity                          |               |                          |
| Type of input                              | kWh generated | MPAN/Meter serial number |
| Import *                                   | 0             | Import1                  |
| Is 'import' to be deducted from LEC issue? | Ne            |                          |

#### Input deduction

| Total input deduction from ROC issue (kWh) | 0.000000 |
|--|----------|
| Total ROC Qualifying percentage            | 0.00     |

#### Certficates claimed

| ROCs claimed 300 |  |
|------------------|--|
|------------------|--|

#### Please enter any comments related to this Output submission

| Amend | Confirm | Print | Certificates breakdown |
|-------|---------|-------|------------------------|



| ofgem Promoting<br>for all gas a  | choice and valu   |                           |         | Accessibility   Contact us   Site map   Link |  |
|---|-------------------|---------------------------|---------|--|--|
| My Account Accreditation  | Declaration Outpu | ut Data Certificates      | Reports |  |  |
| Image: Second |                   |                           |         |  |  |
| > Submit Output Data<br>> Submit Output Spreadsheet   |                   | ROC's                     |         | ROCs claimed based on Original capacity      |  |
| Edit Submitted Output Data  |                   | Wave Power (RO code = RT) |         | 300  |  |
| Apply For Estimates Of Output<br>Data   |                   | Total                     |         | 300  |  |
| View Output History   | Back              |                           |         |  |  |
| Answer Ofgem Queries On<br>Output   | Datk              |                           |         |  |  |
| Log out   |                   |                           |         |  |  |



# **Certificate Issued Report**

| All Certificates by Accreditation (RO) |          |
|--|----------|
| Period of Generation :                 | Apr 2009 |
| Total certificates:                    | 300      |

| Accreditation | Capacity | Scheme | Country | •••           |             | No Of<br>Certificates | Start Certificate       | End Certificate         |
|---------------|----------|--------|---------|---------------|-------------|-----------------------|-------------------------|-------------------------|
| R00002RTEN    | 30000    | RO     | England | Wave<br>Power | Apr<br>2009 | 300                   | R00002RTEN0000000409WVA | R00002RTEN0002990409WVA |



# **Biomass, Co-firing and Waste** Stations

An overview of the key changes to the **Renewables and CHP Register data** submission pages for biomass, co-firing and waste stations



# **Key changes**

- Banding
  - Accounting for the different fuelling bands listed in Schedule 2 of the draft Order
- SRF •
  - Calculating the percentage of SRF (if any) that can be included within ROC claims for co-firing stations



# **Key changes**

- Fuels that can be treated as biomass
  - Calculating whether certain "waste" fuels can be treated as biomass within data submissions
- CHP
  - Calculating the number of CHP ROCs that can be issued according to a station's Qualifying Power Output



# **Key changes**

- Displaying a single fuelling code for all fuelled stations (main page)
- Displaying a certificate breakdown menu (new page)



# **Example 6**

#### Station with a co-firing of Biomass technology

- Eligible Output 6000,000KW/h
- Fuelling data

| Fuel                   | Heat contribution % |
|------------------------|---------------------|
| Sunflower husk pellets | 0.442477876         |
| Gas Oil                | 99.55752212         |

Banded down at 2 MWh per ROC 



## Ofgem Renewables Schemes - Maintain Output Data Submit fuel measurements for this period

### Fuel Measurements

| Fuel Reference | Quantity | Quantity Unit of<br>Measure | Gross Cal<br>Value | Gross Cal Unit of<br>Measure | Heat Contribution Value | Heat Contribution % | Contamination<br>% | Ofgem Copy of<br>Samples |                       |
|----------------|----------|-----------------------------|--------------------|------------------------------|-------------------------|---------------------|--------------------|--------------------------|-----------------------|
| B-SP-1 V       | 100      | Tonne 🗸                     | 18                 | GJ/Tonne 🗸                   | 1800000.00000000        | 0.442477876106      | 0                  |                          | <u>Edit</u><br>Delete |
| F-GO-1 🗸       | 9000     | Tonne 🗸                     | 45                 | GJ/Tonne 🗸                   | 40500000.00000000       | 99.557522123894     | 0                  |                          | <u>Edit</u><br>Delete |

## New Fuel Measurement

If claiming ROC's, is all fossil fuel and/or waste used for Article 8(3) purposes.



Cancel Submit



**Generating Station Details** 

| Generating Station Name  | Test Station 1   |  |
|--|--|--|
| 0 Accreditation ID   | RODIOSRAEN   |  |
| 3. Accreditation ID  | LOOIDEEWEN   |  |
| ECO Accreditation ID   | 001324EWEN   |  |
| ichicity produced  |  |  |
|  | kitth generated  | MPAN/Heter serial number                             |
| tal quantity of electricity produced *   | 6000000  | Barial Number 1: Barial Number 2:<br>Sarial Number 4 |
| port-output  |  |  |
| rpe of eligible output   | kittle generated   | NPAN/Hoter serial number                             |
| Fross output   |  | Sarial Number 2: Sarial Number 4                     |
|  |  |  |
| sput electricity   |  |  |
| lype of input  | kWh generated  | HPAN/Hoter social number                             |
|  |  |  |
| etal Import  |  |  |
|  |  |  |
| inversional by the generating station *  |  |  |
| Constant by the generating station *   |  |  |
| ensected by the generating station *<br>. the 'generated' input electricity already deducted from output?  |  |  |
| Connected by the generating station "<br>Is the "generated" input electricity already deducted from output?<br>sput deduction  |  |  |
| Connected by the generating station "<br>Is the 'generated' input electricity already deducted from output?<br>sput deduction<br>rotal input deduction from ROC sease (kWh)  | 0<br>140 (M  |  |
| Conversional by the generating station "<br>Is the 'generated' input electricity already deducted from output?<br>reput deduction<br>Initial input deduction from ROC issue (kWb)<br>Initial input deduction from ROC issue (kWb)  | 0<br>10<br>10<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0       |  |
| Fotal Import<br>Constanted by the generating station."<br>In the "generated" input electricity already deducted from output?<br>Input deduction<br>Instal input deduction from RDC insue (WMh)<br>Instal input deduction from RDC insue (WMh)<br>Instal input deduction from Reservable LEC insue (WMh)<br>Instal RDC Qualifying percentage<br>LEC Qualifying percentage | 0<br>10<br>10<br>10<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 |  |
| Conservation by the generating station " In the "generated" input electricity already deducted from output? Input deduction from fotal input deduction from ROIC invest (kWfk) fotal input deduction from Roice investige LEC Qualifying percentage  | 0<br>10<br>10<br>10<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 |  |
| Conservation by the generating station " In the "generated" input electricity already deducted from optput? Input deduction from RDC torsee (kWfk) Initial input deduction from RDC torsee (kWfk) Initial input deduction from RDC torsee (kWfk) Initial RDC Qualifying percentage LEC Qualifying percentage Cettrates claimed   | 0<br>10<br>10<br>10<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 |  |
| Conservated by the generating station "<br>Is the 'generated' input electricity already deducted from output?<br>Input deduction<br>Total input deduction from ROC inves (kWh)<br>Total input deduction from Roceasable LEC inves (kWh)<br>Total ROC Qualifying percentage   | 6.098000<br>0.098000<br>0.098000<br>0.44<br>0.44                                     |  |

Please enter any comments related to this Output submission



Declaration

Declaration By locking this box, the person making this request, or where the person making this request is a body corporate its duly authentied representative, declares that: (a) the person making this request is entitled under the Electricity (Duarantees of Origin of Electricity Produced from Renewable Energy Sources) Regulators 2003 to the sace of guarantees of origin in respect of the electricity which is the subject of this request; and

(b) the person making this request has not made, and does not intend to make, a request in another Member State or Northern Ireland for the issue of guarantees of origin in respect of the electricity which is the subject of this request.



49



Home Page > Output Data > Submit Output Data

## Break down of certificates claimed

| ROC's                | ROCs claimed based on Original capacity |
|----------------------|---|
| Co-firing of biomass | 13                                      |
| Total                | 13                                      |

Back



# **Certificate Issued Report**

| All Certificates by Accreditation (RO) |          |  |
|--|----------|--|
| Period of Generation :                 | Apr 2009 |  |
| Total certificates:                    | 13       |  |

| Accreditation | Capacity | Scheme | Country |         |             | No Of<br>Certificates | Start Certificate       | End Certificate         |
|---------------|----------|--------|---------|---------|-------------|-----------------------|-------------------------|-------------------------|
| R00109RAEN    | 10000    | RO     | England | Fuelled | Apr<br>2009 | 13                    | R00109RAEN0000000409CBC | R00002RTEN0000120409CBC |



# **CHP Stations Fuelled by Waste**

- A qualifying CHP station should:
  - be accredited under the Combined Heat and Power Quality Assurance (CHPQA) programme
  - hold a valid Secretary of State combined Heat and Power Exemption certificate 2 (SoS certificate)
  - hold a CHPQA certificate
  - annually provide to Ofgem a copy of the stations details for qualification under the CHPQA scheme



> Cancel application List all questions

Go to question

# **Key Application Questions CHP Fuelled by Waste**

| Declaration                | Output Data                     | Certificates    | Reports  |   |                        |       |
|----------------------------|---------------------------------|-----------------|--|---|------------------------|-------|
| _                          | Accreditation > Acc             |                 | STCHPGE  | NA  |                        |       |
| Please do n                | ot press the back               | button or refre | sh the brows   | er, use the Previo  | ous and Next buttons b | elow. |
| Your progre<br>* is mandat | ss: 0% 💻                        |                 | 100%   |   |                        |       |
| Question R                 | eference: QC21                  | 0               |  |   |                        |       |
|                            | gy used at the gender the RO: * |                 | ndfill gas (RO cod<br>eopressure (RO co<br>n-shore wind (RO<br>ewage gas (RO co<br>totovoltaic (RO co<br>dal Barrage (RO c<br>dal Lagoon (RO co<br>eothermal (RO coc | r less (RO code =<br>e = RJ)<br>de = RM)<br>code = RQ)<br>de = RR)<br>de = RU)<br>ode = RH)<br>de = RI) |                        |       |
|                            | Previous Ne                     | xt >            |  |   |                        |       |

Print my questions



| Declaration                | Output Data  | Certificates    | Reports      |                     |                           |
|----------------------------|--|-----------------|--------------|---------------------|---------------------------|
|                            | Accreditation > Accreditation > Acc                    |                 | STCHPGE      | NA                  |                           |
| Please do n                | ot press the back                                      | button or refre | sh the brows | er, use the Previou | s and Next buttons below. |
| Your progre<br>* is mandat | ss: 0% 💻 💻   | 1               | 100%         |                     |                           |
| Question R                 | eference: QC80   | 0               |              |                     |                           |
| accredite                  | nerating station<br>d under the Good<br>'QA) scheme? * | l Quality O No  | 5            |                     |                           |
| <                          | Previous Ne  | xt >            |              |                     |                           |
| Cancel                     | application  |                 |              |                     |                           |
| List all                   | questions  | Go to question  | Print my     | / questions         |                           |



| Declaration                  | Output Data                         | Certificates     | Reports      |                 |                |                  |
|------------------------------|-------------------------------------|------------------|--------------|-----------------|----------------|------------------|
| _                            | Accreditation > Acc<br>ation Regist |                  | STCHPGE      | NA              |                |                  |
| Please do no                 | t press the back                    | button or refres | sh the brows | er, use the Pre | evious and Nex | t buttons below. |
| Your progres<br>* is mandate | s: 0% 💻 💻                           |                  | 100%         |                 |                |                  |
| Question Re                  | eference: QC81                      | 0                |              |                 |                |                  |
|                              | e the CHPQA sch<br>number: *        | neme 0111,       | Ą            |                 |                |                  |
| <                            | Previous Ne                         | xt >             |              |                 |                |                  |
| Cancel                       | application                         |                  |              |                 |                |                  |
| List all o                   | questions                           | Go to question   | Print my     | / questions     |                |                  |



| Declaration                | Output Data                          | Certificates          | Reports      |                    |                             |
|----------------------------|--------------------------------------|-----------------------|--------------|--------------------|-----------------------------|
| _                          | Accreditation > Ac<br>ation Regist   |                       | STCHPGE      | NA                 |                             |
| Please do n                | ot press the bac                     | k button or refre     | sh the brows | er, use the Previo | ous and Next buttons below. |
| Your progre<br>* is mandat | ss: 0% 💻 🗖                           | 1                     | 100%         |                    |                             |
|                            | w edit the value(<br>the edit button |                       | onse.        |                    |                             |
| Question R                 | eference: QC82                       | 0                     |              |                    |                             |
| Does the<br>waste? *       | generating statio                    | on burn 💿 Yes<br>🔿 No | 5            |                    |                             |
| <                          | Previous Ne                          | ext >                 |              |                    |                             |
| Cancel                     | application                          |                       |              |                    |                             |
| List all                   | questions                            | Go to question        | Print my     | / questions        |                             |



# Q&A



# **Private Wire Network** 8 **Micro-generation** Changes



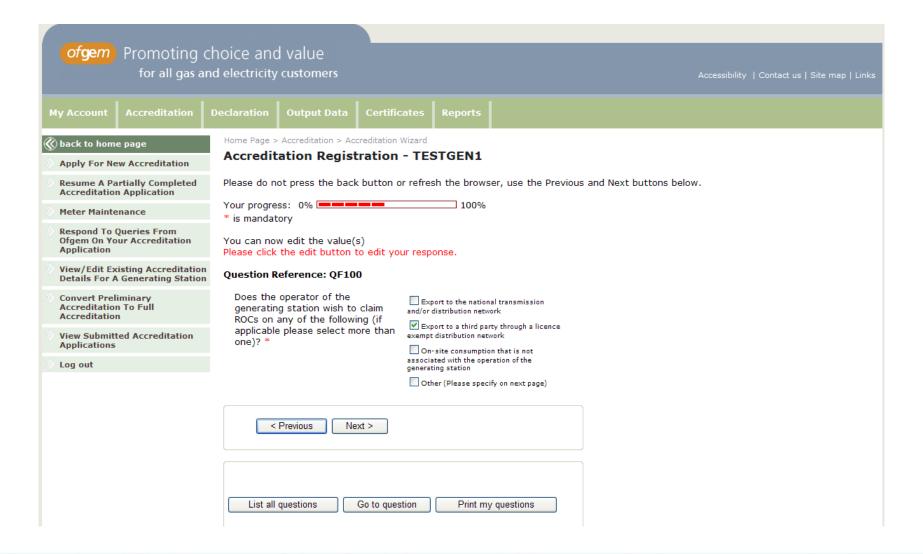
# **Private Wire Networks**

- Electricity is used in a "permitted way" for private wire networks, where:
  - a station's DNC is 10 MW or less; and
  - before electricity is supplied through a private wire it is not conveyed through a transmission or distribution system operated under a licence granted under section 6 of the Act.
- Contractual arrangements are required for electricity not used in a "permitted way"



| of <b>gem</b> Promoting of for all gas an   | hoice and value<br>and electricity customers  | Accessibility   Contact us   Site map   Links |
|---|---|---|
| My Account Accreditation  | Declaration Output Data Certificates Reports  |   |
| 🛞 back to home page   | Home Page > Accreditation > Accreditation Wizard<br>Accreditation Registration - TESTGEN1 |   |
| Resume A Partially Completed<br>Accreditation Application                           | Please do not press the back button or refresh the browser, use the Previous              | and Next buttons below.                       |
| Meter Maintenance   | Your progress: 0%  * is mandatory   |   |
| Respond To Queries From<br>Ofgem On Your Accreditation<br>Application               | Please click the edit button to edit your response.                                       |   |
| View/Edit Existing Accreditation<br>Details For A Generating Station                |   |   |
| <ul> <li>Convert Preliminary<br/>Accreditation To Full<br/>Accreditation</li> </ul> | ( <u>DNC</u> ) at the generating station (kW)? *  |   |
| View Submitted Accreditation<br>Applications  |   |   |
| 📎 Log out   | < Previous Next > Edit  |   |
|   | Cancel application         List all questions       Go to question    Print my questions  |   |
|   |   |   |
|   | Copyright 2007 OFGEM. All rights reserved   Privacy Policy   Terms & Conditions           | Freedom of information                        |







| ofgem Promoting c   |  |
|---|--|
| for all gas an  | Id electricity customers Accessibility   Contact us   Site map   Links                                       |
| My Account Accreditation  | Declaration Output Data Certificates Reports   |
| back to home page     Apply For New Accreditation                     | Home Page > Accreditation > Accreditation Wizard Accreditation Registration - TESTGEN1                       |
| Resume A Partially Completed<br>Accreditation Application             | Please do not press the back button or refresh the browser, use the Previous and Next buttons below.         |
| Meter Maintenance   | Your progress: 0%  |
| Respond To Queries From<br>Ofgem On Your Accreditation<br>Application | Please click the edit button to edit your response.  |
| View/Edit Existing Accreditation<br>Details For A Generating Station  | Question Reference: QF650  |
| Convert Preliminary<br>Accreditation To Full<br>Accreditation         | through a transmission/distribution<br>system operated under a licence<br>granted under section 6 of the Act |
| View Submitted Accreditation<br>Applications                          | before it is supplied to customers<br>through a private wire? *  |
| 📎 Log out   |  |
|   | < Previous Next > Edit   |
|   | Cancel application   |
|   | List all questions Go to question Print my questions   |
|   |  |
|   | Copyright 2007 OFGEM. All rights reserved   Privacy Policy   Terms & Conditions   Freedom of information     |



| ofgem Promoting of for all gas ar                                     | choice and value<br>nd electricity customers Accessibility   Contact us   Site map   Links   |
|---|--|
| My Account Accreditation  | Declaration Output Data Certificates Reports   |
| back to home page     Apply For New Accreditation                     | Home Page > Accreditation > Accreditation Wizard Accreditation Registration - TESTGEN1   |
| Resume A Partially Completed<br>Accreditation Application             | Please do not press the back button or refresh the browser, use the Previous and Next buttons below.   |
| Meter Maintenance   | Your progress: 0%  |
| Respond To Queries From<br>Ofgem On Your Accreditation<br>Application | Stations with a DNC over 10MW are required to provide contractual evidence of an agreement with a licenced electricity supplier to demonstrate that the electricity is supplied through private wires (exempt distribution network). |
| View/Edit Existing Accreditation<br>Details For A Generating Station  |  |
| Convert Preliminary<br>Accreditation To Full<br>Accreditation         | Does the generating station have   |
| View Submitted Accreditation<br>Applications                          | an agreement in place with a<br>licensed electricity supplier to<br>demonstrate that the electricity   |
| 📎 Log out   | supplied to the third party is<br>supplied to a customer in Great<br>Britain or Northern Ireland? *  |
|   | < Previous Next > Edit   |
|   | Cancel application   |
|   | List all questions Go to question Print my questions   |
|   |  |
|   | Copyright 2007 OFGEM. All rights reserved   Privacy Policy   Terms & Conditions   Freedom of information   |



ofgem Promoting choice and value

| ofgem Promoting c<br>for all gas an                                   | hoice and value<br>ad electricity customers Accessibility   Contact us   Site map   Links                                    |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|
| My Account Accreditation  | Declaration Output Data Certificates Reports   |  |  |  |  |  |  |
| back to home page     Apply For New Accreditation                     | Home Page > Accreditation > Accreditation Wizard Accreditation Registration - TESTGEN1                                       |  |  |  |  |  |  |
| Resume A Partially Completed<br>Accreditation Application             | Please do not press the back button or refresh the browser, use the Previous and Next buttons below.                         |  |  |  |  |  |  |
| Meter Maintenance   | Your progress: 0%  |  |  |  |  |  |  |
| Respond To Queries From<br>Ofgem On Your Accreditation<br>Application | Please provide a copy of a signed contract:<br>Question Reference: QF620   |  |  |  |  |  |  |
| View/Edit Existing Accreditation<br>Details For A Generating Station  | For fax enquiries please fax to 0207 901 7387<br>For postal please post to   |  |  |  |  |  |  |
| Convert Preliminary<br>Accreditation To Full<br>Accreditation         | For postal please post to<br>Ofgem Renewables & CHP<br>9 Millbank<br>London  |  |  |  |  |  |  |
| View Submitted Accreditation<br>Applications                          | SW1P 3GE   |  |  |  |  |  |  |
| >> Log out  | Please select the method by which<br>you will be providing the document<br>from one of the following<br>alternative methods: |  |  |  |  |  |  |
|   | C Fax document   |  |  |  |  |  |  |
|   | < Previous Next >  |  |  |  |  |  |  |
|   | Cancel application List all questions Go to question Print my questions  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |



| ofgem Promoting of for all gas are                                    | Thoice and value  |                                       | Accessibility   Contact us   Site map   Links |
|---|---|---------------------------------------|---|
|   |   |                                       |   |
| My Account Accreditation  | Declaration Output Data Ce  | tificates Reports                     |   |
| 🛞 back to home page   | Home Page > Accreditation > Accreditation                           |                                       |   |
| > Apply For New Accreditation   |   |                                       |   |
| Resume A Partially Completed<br>Accreditation Application             |   |                                       | the Previous and Next buttons below.          |
| >> Meter Maintenance  | Your progress: 0%   | 100%                                  |   |
| Respond To Queries From<br>Ofgem On Your Accreditation<br>Application | You can now edit the value(s)<br>Please click the edit button to ed | t your response.                      |   |
| View/Edit Existing Accreditation<br>Details For A Generating Station  |   |                                       |   |
| Convert Preliminary<br>Accreditation To Full<br>Accreditation         | Start Date *  | 01/04/2006                            |   |
| View Submitted Accreditation<br>Applications                          | End Date  | ✓ In effect until otherwise notifie   |   |
| ⇒ Log out   |   | In effect until otherwise notifie     | 20  |
|   | < Previous Next >   | ]                                     |   |
|   | Cancel application List all questions Go to                         | question Print my questic             | uns   |
|   |   |                                       |   |
|   |   |                                       |   |
|   | Copyright 2007 OFGEM. All ri  | ghts reserved   Privacy Policy   Terr | ms & Conditions   Freedom of information      |



| My Account    | Accreditation  | Declaration  | Output Data                         | Certificates                | Reports         |                  |        |                                       |  |  |  |
|---------------|--|--|-------------------------------------|-----------------------------|-----------------|------------------|--------|---------------------------------------|--|--|--|
| 🛞 back to hom |  | -  | Declaration > Agr<br>on Declarat    | ee Declarations > \<br>ions | /iew Declaratio | n                |        |                                       |  |  |  |
| View Agreed   | Declarations   |  |                                     |                             |                 |                  |        |                                       |  |  |  |
| 📎 Log out     |  | < return   | < return to Declarations Print View |                             |                 |                  |        |                                       |  |  |  |
|               | Obligation period: 01/04/2008 - 31/03/2009   |  |                                     |                             |                 |                  |        |                                       |  |  |  |
|               |  | RO "Permitted Ways" declaration  |                                     |                             |                 |                  |        |                                       |  |  |  |
|               |  | RO Article 16(8B) declaration for operators of generating stations (Operators) under the Renewables Obligation Order 2006  |                                     |                             |                 |                  |        |                                       |  |  |  |
|               |  | This Declaration applies to all electricity generated between 1 April and 31 March for which the generating station requests Ofgem to issue Certificates under the Renewables Obligation Orders.       |                                     |                             |                 |                  |        |                                       |  |  |  |
|               |  | I declare that, on behalf of the Operator, all electricity, to which this Declaration applies, has been used in a permitted way, where permitted ways are:   |                                     |                             |                 |                  |        |                                       |  |  |  |
|               | (a) being consumed by the operator of the generating station by which it was generated;  |  |                                     |                             |                 |                  |        |                                       |  |  |  |
|               | (b) being provided to a distribution system or transmission system in circumstances in which its supply to customers cannot be demonstrated; |  |                                     |                             |                 |                  |        | ich its supply to customers cannot be |  |  |  |
|               |  | (c) being used, as respects part, as mentioned in paragraph (a) and, as respects the remainder, as mentioned in paragraph (b);   |                                     |                             |                 |                  |        |                                       |  |  |  |
|               |  | (d) being used, as respects part, as mentioned in paragraph (a), (b) or (c) and, as respects the remainder, by being supplied to customers in Great Britain or customers in Northern Ireland, or both. |                                     |                             |                 |                  |        |                                       |  |  |  |
|               |  | This declaration must be ticked by an authorised signatory.  |                                     |                             |                 |                  |        |                                       |  |  |  |
|               |  | I understand that by ticking the box in the column adjacent to the generating station name I will be making this declaration, on behalf of the Operator.   |                                     |                             |                 |                  |        |                                       |  |  |  |
|               |  | Please tick the box to confirm that you accept this declaration.   |                                     |                             |                 |                  |        |                                       |  |  |  |
|               |  |  |                                     |                             |                 |                  |        | Select all                            |  |  |  |
|               | Generating Station Accept  |  |                                     |                             |                 |                  | Accept |                                       |  |  |  |
|               |  | TESTGEN1   |                                     |                             |                 |                  |        |                                       |  |  |  |
|               |  | < return   | to Declarations                     | Cancel                      | Submit tic      | ked Declarations | Print  | View                                  |  |  |  |
|               |  |  | to Doolarationa                     |                             | Gubinit tie     |                  |        |                                       |  |  |  |



# **Micro-generation**

- Pro-rata of annual meter readings
  - Meter readings can be taken up to 2 months following the end of the obligation period
- Agent appointment form
  - Agents can submit agent appointment forms on behalf of small generators ( $\leq$  50kW)



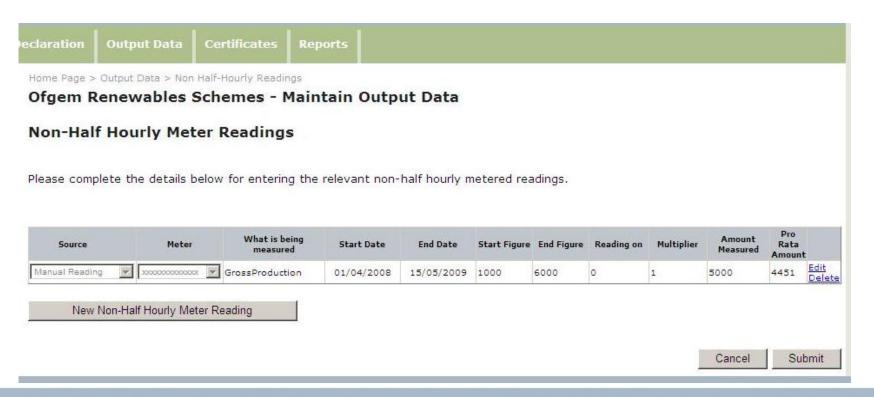
# **Pro-rata meter calculations**

- Pro-rata amount = ([amount measured] ÷ ([Enddate Adjusted Startdate (inclusive)]) + [Number of days in obligation year or number of days between effective date of accreditation and 31 March of that obligation year]) Rounded
- Amount measured = [Endfigure Adjusted Start figure] \* [multiplier]
- Adjusted Start Date = Start Date if the first year of accreditation, or 1 April otherwise
- Adjusted Start figure = Previous Year's Adjusted Start figure + Previous Year's Pro-rata amount (Unless this is the first year of accreditation in which case the start figure will be the manually entered Actual Start Figure)



## Example 1:

```
Amount measured = (6000-1000)*1 = 5000
Enddate – Startdate (inclusive) = 410 days
Number of days in year 2008/09 obligation period = 365
Pro-rata amount = 5000/(410/365) = 4451 - Rounded to the nearest whole number
```





## Example 2 :

Adjusted Start Figure = 1000 + 4451 = 5451Amount measured = (10000-5451)\*1 = 4549Enddate - 1 April (inclusive) = 365 days Number of days in year 2009/10 obligation period = 365 Pro-rata amount = 4549/(365/365) = 4549 - Rounded to the nearest whole number

| fgem Renev                 | vables Sch      | emes - Main               | tain Outp             | ut Data                       |              |            |            |            |                    |                       |
|----------------------------|-----------------|---------------------------|-----------------------|-------------------------------|--------------|------------|------------|------------|--------------------|-----------------------|
| Ion-Half Hou               | Irly Meter      | Readings                  |                       |                               |              |            |            |            |                    |                       |
|                            |                 |                           |                       |                               |              |            |            |            |                    |                       |
| ease complete th           | e details below | i for entering the        | relevant non-         | half hourly n                 | netered rea  | adings.    |            |            |                    |                       |
|                            |                 |                           |                       |                               |              |            |            |            |                    |                       |
|                            |                 |                           |                       |                               |              |            |            |            |                    |                       |
| Source                     | Meter           | What is being<br>measured | Start Date            | End Date                      | Start Figure | End Figure | Reading on | Multiplier | Amount<br>Measured | Pro<br>Rata<br>Amount |
| Source<br>Ianual Reading 💌 | Meter           |                           | Start Date 01/04/2009 | <b>End Date</b><br>31/03/2010 | Start Figure | End Figure | Reading on | Multiplier |                    | Rata                  |



## Example 3:

For a station accredited part way through the year Effective accreditation date: 15/10/2009

Enddate – Startdate (inclusive) = 177

Days in  $1^{st}$  obligation year = Endobligationdate – effective accreditation date (inclusive) = 151

Pro-rata amount = 5900/(177/151) = 5033 rounded to the nearest whole number





# **Agent Appointment form**

| 🛞 back to home page | Agent - Generator Details   |                       |    |  |  |
|---------------------|---|-----------------------|----|--|--|
|                     | Agent - Generator Options     O Individual     Company     O Other                    |                       |    |  |  |
|                     | * fields are mandatory  |                       |    |  |  |
|                     | Company name*   |                       | 0  |  |  |
|                     | Company registration Number*  |                       |    |  |  |
|                     | Address*  |                       | 2  |  |  |
|                     | Address"  |                       | 2  |  |  |
|                     |   |                       | 2  |  |  |
|                     |   |                       | 1  |  |  |
|                     | Tewn/Olty*  |                       | 1  |  |  |
|                     | County  |                       | 1  |  |  |
|                     | Country*  | Please select         | 1  |  |  |
|                     | Post Code*  |                       | 1  |  |  |
|                     | Generator contact   |                       |    |  |  |
|                     | Tide*   |                       | 2  |  |  |
|                     | First name*   |                       | 0  |  |  |
|                     | Last name*  |                       |    |  |  |
|                     | Middle initials   |                       | 2  |  |  |
|                     |   |                       | 3  |  |  |
|                     | Jeb Ode   |                       | 3  |  |  |
|                     | Email address   |                       | (? |  |  |
|                     | Telephone number*   |                       | 2  |  |  |
|                     | Fax number  |                       | 2  |  |  |
|                     | We require notification from the operator<br>gain access to an operator's account you |                       |    |  |  |
|                     | Agent Appointment form 2  |                       |    |  |  |
|                     | O Post document   |                       |    |  |  |
|                     | O fax document  |                       |    |  |  |
|                     | Grovas  |                       |    |  |  |
|                     |   |                       |    |  |  |
|                     | Agent Appointment Start Date  |                       |    |  |  |
|                     | Agent Appointment End Date  |                       | -  |  |  |
|                     | Agent Appointment in effect until<br>otherwise notified                               |                       |    |  |  |
|                     |   |                       |    |  |  |
|                     | Submit agent generator details  | Add another generator | ]  |  |  |



## **Other Register Improvements**



## **Register Improvements**

- Email notifications
- Meter Maintenance
- Declarations for new applications
- Comments Box for Output data
- View Output History: Certificate Status
- Retire certificates
- Certificate transfer
- Certificate Status Reports



## **Email Notification**

| My Account      | Accreditation       | Declaration             | Output Data                           | Certificates | Reports          |                         |  |  |  |  |  |
|-----------------|---------------------|-------------------------|---------------------------------------|--------------|------------------|-------------------------|--|--|--|--|--|
| 🛞 back to home  | 🛞 back to home page |                         | Home Page > My Account > Edit Details |              |                  |                         |  |  |  |  |  |
| 📎 Edit My Detai | >> Edit My Details  |                         | Edit Details                          |              |                  |                         |  |  |  |  |  |
| 📎 Change Pass   | word                | Title*                  |                                       | Mr           |                  | ?                       |  |  |  |  |  |
| 📎 Edit My Orga  | nisation Details    | First nam               | e*                                    | TE           | ST               | ?                       |  |  |  |  |  |
| > Add New Con   | itact               | Last nam                | e*                                    | AC           | COUNT            | ?                       |  |  |  |  |  |
| > Edit Contact  | Detail              | Middle ini              | tials                                 |              |                  | 0                       |  |  |  |  |  |
| Submit Autho    | orisation Letter    | Job title               |                                       |              |                  | 0                       |  |  |  |  |  |
| >> Log out      |                     | Email add               | ress*                                 | tes          | t.test@ofgem.go  | ov.uk 🕐                 |  |  |  |  |  |
|                 |                     | Telephon                | e number*                             | 020          | 07 901 7000      | 0                       |  |  |  |  |  |
|                 |                     | Fax numb                |                                       |              | 0                |                         |  |  |  |  |  |
|                 |                     | Please ente<br>Username |                                       | -            | l require this t | o log into the system)* |  |  |  |  |  |
|                 |                     | Submit                  | Email Notification                    | ns           |                  |                         |  |  |  |  |  |



ofgem Promoting choice and value

for all gas and electricity customers

| My Account      | Accreditation            | Declaration  | Output Data       | Certificates      | Reports           |         |      |  |
|-----------------|--------------------------|--------------|-------------------|-------------------|-------------------|---------|------|--|
| 🛞 back to home  |                          | Email No     | otification M     | anagement         | :                 |         |      |  |
| Change Pass     | word<br>nisation Details | Please selec | t the area that y | vou wish to set i | up email notif    | cation. |      |  |
| 🔊 Add New Con   | tact                     |              |                   | Email N           | otification Categ | лу      | View |  |
| >> Edit Contact | Detail                   | Certificates |                   |                   |                   |         | View |  |
| Submit Autho    | risation Letter          |              |                   |                   |                   |         |      |  |
| 📎 Log out       |                          |              |                   |                   |                   |         |      |  |

| My Account Accreditation   | Declaration Output Data Certificates Reports                       |      |
|--|--|------|
| 🛞 back to home page  | Email Notification Management                                      |      |
| <ul> <li>Change Password</li> <li>Edit My Organisation Details</li> </ul>    | Please select the area that you wish to set up email notification. |      |
| >> Add New Contact   | Email Notification Type  | View |
| <ul> <li>Edit Contact Detail</li> <li>Submit Authorisation Letter</li> </ul> | Request Certificates   | V    |
| 🔆 Log out  | Accept Certificates  |      |
|  | Reconciliation   |      |
|  | Approve Certificates   |      |
|  | Decline Certificates   |      |
|  | Back Update  |      |



## **Meter Maintenance**

| My Account Accredi   | tation D      | eclaration | Output Data                      | Certificates     | Reports       |  |  |  |  |  |  |
|--|---------------|------------|----------------------------------|------------------|---------------|--|--|--|--|--|--|
| 🛞 back to home page  |               |            | Accreditation > Me<br>aintenance | ter Maintainance |               |  |  |  |  |  |  |
| Resume A Partially Cor<br>Accreditation Applicati              | npleted<br>on | Genera     | ting Station                     | ſ                |               |  |  |  |  |  |  |
| Meter Maintenance  |               | ochera     | ang beacon                       | ſ                | Please select |  |  |  |  |  |  |
| Respond To Queries Fr<br>Ofgem On Your Accredit<br>Application |               |            |                                  |                  |               |  |  |  |  |  |  |
| View/Edit Existing Acc<br>Details For A Generatin              |               |            |                                  |                  |               |  |  |  |  |  |  |
| Convert Preliminary<br>Accreditation To Full<br>Accreditation  |               |            |                                  |                  |               |  |  |  |  |  |  |
| View Submitted Accred<br>Applications                          | itation       |            |                                  |                  |               |  |  |  |  |  |  |
| > Log out  |               |            |                                  |                  |               |  |  |  |  |  |  |



| My Account Accreditation D  | Declaration Output Data Certificates Reports   |            |            |   |               |                 |  |  |  |  |  |  |
|---|--|------------|------------|---|---------------|-----------------|--|--|--|--|--|--|
| Image: Spack to home page       Home Page > Accreditation > Meter Maintainance         Image: Apply For New Accreditation       Meter Maintenance |  |            |            |   |               |                 |  |  |  |  |  |  |
| Resume A Partially Completed<br>Accreditation Application         Generating Station         Benburb Centre Small Hydro                           |  |            |            |   |               |                 |  |  |  |  |  |  |
| Meter Maintenance   | What is the meter measuring  | Meter Make | Meter Type | Serial Number                           |               |                 |  |  |  |  |  |  |
| Respond To Queries From<br>Ofgem On Your Accreditation  | Meters the gross renewable electricity produced.   |            |            | x00000000000x                           | Delete        | <u>Maintain</u> |  |  |  |  |  |  |
| Application<br>View/Edit Existing Accreditation   | Meters the renewable electricity export to national transmission and/or distribution network.  |            |            | x000000000000                           | Delete        | <u>Maintain</u> |  |  |  |  |  |  |
| Details For A Generating Station  | Meters the renewable electricity export to a third party through a licence<br>exempt distribution network  |            |            | x000000000000                           | Delete        | Maintain        |  |  |  |  |  |  |
| Accreditation To Full<br>Accreditation  | Meters the electricity generated on-site for a pupose not relating the<br>operation if the generating station.   |            |            | x00000000000                            | Delete        | <u>Maintain</u> |  |  |  |  |  |  |
| View Submitted Accreditation<br>Applications  | Meters import electricity from the transmission and/or licensed<br>distribution network, or any other source, and use it for a purpose directly<br>related to the operation of the generating station. |            |            | x000000000000                           | <u>Delete</u> | <u>Maintain</u> |  |  |  |  |  |  |
|   | Meters electricity generated by the generating station used for a purpose directly related to the operation of the generating station.   |            |            | x0000000000000                          | <u>Delete</u> | <u>Maintain</u> |  |  |  |  |  |  |
|   | Meters electircity generated by a fossil fuel auxiliary or standby generator   |            |            | x000000000000                           | Delete        | <u>Maintain</u> |  |  |  |  |  |  |
|   | Meters increase due to the flow rate, height or pressure of water being artificially increased, as a result of pumping water.  |            |            | >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>> | <u>Delete</u> | <u>Maintain</u> |  |  |  |  |  |  |
|   | Meter the renewable electricity generated on which the certificate claims will be based  |            |            | 200000000000000000000000000000000000000 | Delete        | <u>Maintain</u> |  |  |  |  |  |  |
|   | Back Add New Meter   |            |            |   |               |                 |  |  |  |  |  |  |



| My Account Accreditation  | Declaration Output Data Certificates Reports  |
|---|---|
| 🛞 back to home page   | Home Page > Accreditation > Meter Maintainance  |
| >> Apply For New Accreditation  | Edit Meter Details  |
| Resume A Partially Completed<br>Accreditation Application             | Generating Station Benburb Centre Small Hydro   |
| Meter Maintenance   |   |
| Respond To Queries From<br>Ofgem On Your Accreditation<br>Application | Please complete the details below, and then click the Submit button<br>* fields are mandatory |
| View/Edit Existing Accreditation<br>Details For A Generating Station  | · · · · · · · · · · · · · · · · · · ·   |
| Convert Preliminary<br>Accreditation To Full<br>Accreditation         | Meter Make* Meter Type*   |
| View Submitted Accreditation<br>Applications                          | Serial Number* xxxxxxxxxxxxxx   |
| 〉 Log out   |   |
|   | Back Submit   |



## ofgem Promoting choice and value

for all gas and electricity customers

| 1        | My Account                                      | Accreditation                              | Declaration | Output Data                       | Certificates      | Reports        |
|----------|---|--|-------------|-----------------------------------|-------------------|----------------|
| <b>(</b> | back to home                                    | e page                                     | Home Page > | Accreditation > Me                | ter Maintainance  |                |
|          | Apply For Ne                                    | w Accreditation                            | Add new     | v Meter                           |                   |                |
|          | Resume A Pa<br>Accreditation                    | rtially Completed<br>Application           | Generatin   | ig Station                        | Benbu             | rb Centre Sr   |
|          | Meter Mainte                                    | nance                                      |             |                                   |                   |                |
|          | Respond To Q<br>Ofgem On You<br>Application     | ueries From<br>ur Accreditation            |             | mplete the detail<br>re mandatory | ls below, and the | en click the s |
|          |   | isting Accreditation<br>Generating Station |             | s the meter meas                  | uring* Ple        | ease select    |
|          | Convert Preli<br>Accreditation<br>Accreditation | To Full                                    | Meter       |                                   |                   |                |
|          | View Submitt<br>Applications                    | ed Accreditation                           | Serial I    | Number*                           |                   |                |
|          | Log out   |  | Back        | Submit                            |                   |                |



| My Account Accreditation  | Declaration   | Output Data        | Certificates     | Reports     |
|---|---------------|--------------------|------------------|-------------|
| 🛞 back to home page   | Home Page >   | Accreditation > Me | ter Maintainance |             |
| >> Apply For New Accreditation  | Add new       | Meter              |                  |             |
| Resume A Partially Completed<br>Accreditation Application             | Your meter of | definitions have l | peen updated su  | ccessfully. |
| >> Meter Maintenance  | Back          |                    |                  |             |
| Respond To Queries From<br>Ofgem On Your Accreditation<br>Application |               |                    |                  |             |
| View/Edit Existing Accreditatio<br>Details For A Generating Statio    |               |                    |                  |             |
| Convert Preliminary<br>Accreditation To Full<br>Accreditation         |               |                    |                  |             |
| View Submitted Accreditation<br>Applications                          |               |                    |                  |             |
| 📎 Log out   |               |                    |                  |             |

## **Declarations for New Applications**

| My Account Accreditation  | Declaration             | Output Data Certificates Reports  |  |  |  |  |  |  |  |  |
|---|-------------------------|---|--|--|--|--|--|--|--|--|
| back to home page     Apply For New Accreditation                                   | -                       | > Accreditation > Accreditation Wizard > Submit Application itation Registration  |  |  |  |  |  |  |  |  |
| Resume A Partially Completed<br>Accreditation Application                           | before sub              |   |  |  |  |  |  |  |  |  |
| Respond To Queries From<br>Ofgem On Your Accreditation                              | The follow<br>Reference | ing still need to be supplied before your application can be processed:   |  |  |  |  |  |  |  |  |
| Application<br>View/Edit Existing Accreditation<br>Details For A Generating Station | no                      | Please provide a comprehensive electrical schematic or single line drawing of the generating station. This <u>must</u> include the following: |  |  |  |  |  |  |  |  |
| Convert Preliminary<br>Accreditation To Full<br>Accreditation                       | QI100                   | (i) All generating equipment and associated auxiliary loads   |  |  |  |  |  |  |  |  |
| View Submitted Accreditation<br>Applications  |                         |   |  |  |  |  |  |  |  |  |
| 📎 Log out   |                         |   |  |  |  |  |  |  |  |  |
|   | Clicking th             | e send button below will generate a task prompting the super user to sign the required declarations.  |  |  |  |  |  |  |  |  |
|   | List all                | questions Go to question Print my questions   |  |  |  |  |  |  |  |  |



ofgem Promoting choice and value

for all gas and electricity customers

| My Account Accreditation  | Declaration Output Data Certificates Reports   |  |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|--|--|
| > Apply For New Accreditation   | Home Page Renewables System Veloce a the Ofen Record Out Provide a Veloce dia at TSST (construction)   |  |  |  |  |  |  |  |  |  |  |
| Resume A Partially Completed<br>Accreditation Application             | Welcome to the Ofgem Renewables and CHP Register. You are logged in as TEST (generator organisation).<br>We have recently made the following functionality changes:  |  |  |  |  |  |  |  |  |  |  |
| Respond To Queries From<br>Ofgem On Your Accreditation<br>Application | 'Pre-accreditation' status to appear as 'pending'<br>New output data statuses - 'not submitted' to replace 'pending', 'in review' to replace `authorised' and a new status 'awaiting approval'<br>New fuel applications - new fuels will now be approved or declined on-line |  |  |  |  |  |  |  |  |  |  |
| View/Edit Existing Accreditation<br>Details For A Generating Station  |  |  |  |  |  |  |  |  |  |  |  |
| Convert Preliminary<br>Accreditation To Full<br>Accreditation         | <ul> <li>Erroneous data exceptions displayed, indicating that the REGO issued and Gross output do not match, using the output data upload function.</li> <li>We will be updating the User Guidance Document early in the New Year.</li> </ul>                                |  |  |  |  |  |  |  |  |  |  |
| View Submitted Accreditation Applications                             | Tasks (Click on the relevant link to complete the task)  |  |  |  |  |  |  |  |  |  |  |
| >> Log out  | You have partially completed accreditation application - Declaration(s) need to be signed by SuperUser before submission   |  |  |  |  |  |  |  |  |  |  |



| My Account  | Accreditation | Declaration     | Output Data      | Certificates | Reports |      |  |  |
|---|---------------|-----------------|------------------|--------------|---------|------|--|--|
| Weight back to home page       Home Page > Declaration > Agree Declarations         Agree Declarations       Agree Declarations |               |                 |                  |              |         |      |  |  |
|   |               |                 |                  |              |         |      |  |  |
|   | Declarations  |                 |                  |              |         | View |  |  |
|   |               | "Information" ( | declaration      |              |         | View |  |  |
|   |               | RO: "Export O   | nly" declaration |              |         | View |  |  |



| My Account   | Accreditation | Declaration   | Output Data   | Certificates                    | Reports                      |   |  |   |  |      |
|--|---------------|---|---|---------------------------------|------------------------------|---|--|---|--|------|
| 🛞 back to home p                                   |               |   | Declaration > Agre<br>on Declarati  |                                 | /iew Declaratic              | n   |  |   |  |      |
| <ul> <li>View Agreed D</li> <li>Log out</li> </ul> | eclarations   |   | to Declarations<br>eriod: 01/04/200   | Print 2                         |                              |   |  |   |  |      |
|  |               | I confirm t<br>• if, a<br>ber<br>• any<br>pro<br>and<br>• I w | at any time, the<br>half of the operat<br>information and,<br>vided in order to | or calculations determine the a | submitted to<br>mount of ele | ed by the Generatin<br>notified within two<br>the Authority, on b<br>ctricity generated fr<br>on which is false and | ehalf of the oper<br>om eligible renev | rator, including an<br>wable sources, wil | any way I will ensure, on<br>occurring<br>y information which is<br>I be complete and accura<br>result in a criminal | ite, |
|  |               |   |   | <u>Generating S</u>             | itation                      |   |  | A   | lccept   |      |
|  |               | GenC  |   |                                 |                              |   |  |   |  |      |
|  |               | eturn<br>Back to top  | to Declarations   | Cancel                          | Submit tio                   | ked Declarations  | Print V                                | iew                                       |  |      |



## **Comments Box for Output Data**

| My Account            |                   |                             | Output Data   | Certificates        | Reports          |                 |                      |                          |  |  |  |  |
|-----------------------|-------------------|-----------------------------|---|---------------------|------------------|-----------------|----------------------|--------------------------|--|--|--|--|
| 🛞 back to home        | e page            | Home Page >                 | Output Data > Sub   | mit Output Data     |                  |                 |                      |                          |  |  |  |  |
| Fuel Mainten          | ance              | Output o                    | lata for peri   | od: Februa          | rv 2009          |                 |                      |                          |  |  |  |  |
| 📎 Submit Outpu        | ut Data           |                             | -   |                     | -                |                 |                      |                          |  |  |  |  |
| 📎 Submit Outpu        | ut Spreadsheet    | Please comp<br>* fields are | olete all the relev<br>mandatory                            | ant fields. Instru  | ictions are avai | lable on our we | bsite: <u>www.of</u> | <u>gem.gov.uk</u>        |  |  |  |  |
| 🔅 Edit Submitte       | ed Output Data    | C Ext                       | ter non-half hourly o                                       | s action start data |                  |                 |                      |                          |  |  |  |  |
| Apply For Es<br>Data  | timates Of Output |                             | ter non-nail nouny o  | ir estimated data   |                  |                 |                      |                          |  |  |  |  |
| > View Output         | History           | Generating Sta              | ation Details   |                     |                  |                 |                      |                          |  |  |  |  |
| Answer Ofge<br>Output | m Queries On      | Generating Sta              | ation Name  |                     |                  | Gen1            |                      |                          |  |  |  |  |
| >> Log out            |                   | RO Accreditat               | ion ID  |                     |                  | (accreditatio   | on pending)          |                          |  |  |  |  |
|                       |                   | Export output               | Export output   |                     |                  |                 |                      |                          |  |  |  |  |
|                       |                   | Type of export              | toutput   |                     |                  | kWh general     | ted                  | MPAN/Meter serial number |  |  |  |  |
|                       |                   | Gross output                | ut  |                     |                  | 1488005         |                      | 1234                     |  |  |  |  |
|                       |                   | Input deductio              | on  |                     |                  |                 |                      |                          |  |  |  |  |
|                       |                   | Total input de              | duction from ROC issue                                      | ≥ (kWh)             |                  | 0               |                      |                          |  |  |  |  |
|                       |                   | ROC Qualifying              | g percentage  |                     |                  | 100             |                      |                          |  |  |  |  |
|                       |                   | Please ente                 | Please enter any comments related to this Output submission |                     |                  |                 |                      |                          |  |  |  |  |
|                       |                   | COMMENTS F                  |   |                     | •                |                 |                      |                          |  |  |  |  |
|                       |                   |                             |   |                     |                  |                 |                      |                          |  |  |  |  |



## **Output Status**

| Status            | Description  |
|-------------------|--|
| Submitted         | Output data waiting to be reviewed by Ofgem  |
| In review         | Output data currently being reviewed by Ofgem  |
| Suspended         | <ul> <li>High level data exceptions raised (e.g. late data)</li> <li>Outstanding data queries</li> </ul> |
| Awaiting Approval | Certificates "generated" and awaiting approval by Ofgem  |
| Issued            | Certificates issued on output  |
| Declined          | Output data declined (e.g. a late data case that has been rejected)                                      |



| My Account Accreditation  | Declaration Output Da | nta Certi     | ficates Repor            | ts                     |                |              |               |  |                              |             |
|---|-----------------------|---------------|--------------------------|------------------------|----------------|--------------|---------------|--|------------------------------|-------------|
| Image: Weight back to home page       Home Page > Output Data > View Output History         Image: Fuel Maintenance       View Output History |                       |               |                          |                        |                |              |               |  |                              |             |
| Submit Output Data  |                       |               |                          |                        |                |              |               |  |                              |             |
| Submit Output Spreadsheet   | Ctation and           |               |                          |                        |                |              |               |  |                              |             |
| Edit Submitted Output Data  | Station name          |               | Gen1                     | Gen1                   |                |              |               |  |                              |             |
| Apply For Estimates Of Output Data  | Generating station    | <u>Scheme</u> | <u>Period start date</u> | <u>Period end date</u> | Date Submitted | Date Amended | <u>Status</u> | <u>Total Eliqible</u><br><u>Output</u> | <u>Output</u><br><u>Type</u> |             |
| 📎 View Output History   | Gen1                  | RO(n/a)       | 01/03/2009               | 31/03/2009             | 30/01/2009     | 30/01/2009   | Suspended     | 1,488,005.00                           | General                      | <u>View</u> |
| > Answer Ofgem Queries On<br>Output   | Gen1                  | RO(n/a)       | 01/11/2009               | 30/11/2009             | 30/01/2009     | 30/01/2009   | Suspended     | 1,440,000.00                           | General                      | <u>View</u> |
| angle Log out   | Gen1                  | RO(n/a)       | 01/01/2009               | 31/01/2009             | 30/01/2009     | 30/01/2009   | Suspended     | 50,000,000.00                          | General                      | <u>View</u> |



## **Retire Certificates**

| My Account Accreditation | Declaration Output Data Certificates Reports                       |  |  |  |  |  |  |  |  |  |
|--------------------------|--|--|--|--|--|--|--|--|--|--|
| 🛞 back to home page      | Home Page > Certificates > Retire Certificates Retire Certificates |  |  |  |  |  |  |  |  |  |
| >> ROCs<br>>> LECs       | This part of the system allows you to retire your certificates     |  |  |  |  |  |  |  |  |  |
| REGOs                    |  |  |  |  |  |  |  |  |  |  |
| 📎 Log out                | Retire ROC's   |  |  |  |  |  |  |  |  |  |
|                          | Retire LEC's   |  |  |  |  |  |  |  |  |  |
|                          | Retire REGO's  |  |  |  |  |  |  |  |  |  |



for all gas and electricity customers

| My Account     | Accreditation | Declaration          | Output D                     | ata Cert                            | ificates Reports              |                          |                    |                                     |           |        |           |
|----------------|---------------|----------------------|------------------------------|-------------------------------------|-------------------------------|--------------------------|--------------------|-------------------------------------|-----------|--------|-----------|
| 🛞 back to home |               | Home Page > Retire R |                              | > Retire Certif                     | icates > Display Certificates | 5                        |                    |                                     |           |        |           |
| >> ROCs        |               |                      |                              |                                     |                               |                          |                    |                                     |           |        |           |
| >> LECs        |               |                      |                              |                                     |                               |                          | 2                  | how Filter                          |           |        |           |
| >> REGOs       |               | Undete for           |                              |                                     |                               |                          |                    |                                     |           | [      | Select Al |
| Log out        |               | Update fig           | ures                         |                                     |                               |                          |                    |                                     |           |        |           |
|                |               | Output Period        | Generating<br>Station        | <u>Technology</u>                   | ROC's start                   | ROC's end                | Number of<br>ROC's | Number of<br>ROC's to be<br>retired | Remaining | Select |           |
|                |               | Apr 2008             | Carland<br>Cross<br>Windfarm | On-shore<br>wind (RO<br>code = RQ)  | R00024RQEN0000000408          | R00024RQEN0002810408     | 282                | 200                                 | 82        |        |           |
|                |               | May 2008             | Carland<br>Cross<br>Windfarm | On-shore<br>wind (RO<br>code = RQ)  | R00024RQEN0000000508          | R00024RQEN0000010508     | 2                  |                                     | 2         |        |           |
|                |               | Jun 2008             | Carland<br>Cross<br>Windfarm | On-shore<br>wind (RO<br>code = RQ)  | R00024RQEN000000608           | R00024RQEN0002990608     | 300                |                                     | 300       |        |           |
|                |               | Sep 2008             | Whitelee<br>Windfarm         | On-shore<br>wind (ROS<br>code = SQ) | R000895Q5C000000908           | R000895Q5C0171460908     | 17147              |                                     | 17147     |        |           |
|                |               | Total                |                              |                                     |                               |                          | 17731              | 200                                 | 17531     |        |           |
|                |               | Update fig           | ures                         |                                     |                               | Retire                   |                    |                                     |           |        |           |
|                |               |                      |                              |                                     |                               |                          |                    |                                     |           |        |           |
|                |               | Cop                  | vriaht 2007 C                | FGEM. All righ                      | its reserved   Privacy Policy | Terms & Conditions   Fre | edom of inforr     | nation                              |           |        |           |



| My Account    | Accreditation | Declaration   | Output Data                                    | Certificates                    | Reports                    |                      |                 |                                  |                  |
|---------------|---------------|---------------|--|---------------------------------|----------------------------|----------------------|-----------------|----------------------------------|------------------|
| 🛞 back to hom |               |               | Certificates > Transfe<br><b>tire confirma</b> |                                 | e Certificate Confirmation |                      |                 |                                  |                  |
| ROCs          |               | A request ha  | s been submitted                               | for retiring of R               | OC's. Are you sure you v   | vant to continue?    |                 |                                  |                  |
| LECs<br>REGOs |               | Output Period | Generating Station                             | <u>Technology</u>               | ROC's start                | ROC's end            | Number of ROC's | Number of ROC's to<br>be retired | <u>Remaining</u> |
| 📎 Log out     |               | Apr 2008      | Carland Cross<br>Windfarm                      | On-shore wind<br>(RO code = RQ) | R00024RQEN0000000408       | R00024RQEN0002810408 | 282             | 200                              | 82               |
|               |               | Totals        |  |                                 |                            |                      | 282             | 200                              | 82               |
|               |               | Back          | Proceed to retire ce                           | rtificates                      |                            |                      |                 |                                  |                  |
|               |               |               |  |                                 |                            |                      |                 |                                  |                  |



| My Account     | Accreditation | Declaration | Output Data           | Certificates         | Reports          |
|----------------|---------------|-------------|-----------------------|----------------------|------------------|
| 🔇 back to hom  | e page        | Home Page > | • Certificates > Trar | isfer Options > Reti | re Certificate S |
| Retire Certifi | icates        | Your cer    | tificates have        | e been succes        | sfully ret       |
| ROCs           |               |             | _                     |                      |                  |
| LECs           |               | Continue    |                       |                      |                  |
| REGOs          |               |             |                       |                      |                  |
| 🔪 Log out      |               |             |                       |                      |                  |
|                |               |             |                       |                      |                  |



## **Transfer Certificates by Range**

| My Account Accreditation                  | Declaration Output Data Certificates Reports          |             |  |  |  |
|---|---|-------------|--|--|--|
| back to home page     Retire Certificates | Home Page > Certificates > Scheme Options <b>ROCs</b> |             |  |  |  |
| >> ROCs                                   | What would you like to do:                            |             |  |  |  |
| >> REGOs                                  | ROCs  |             |  |  |  |
| 🖇 Log out                                 | View my roc certificates                              | <u>View</u> |  |  |  |
|   | Transfer my roc certificates                          | View        |  |  |  |
| View my pending transfer                  |   |             |  |  |  |
|   | View received transfer requests                       | <u>View</u> |  |  |  |
|   |   |             |  |  |  |



| My Account Accreditation  | Declaration Output Data Certificates Reports  |        |  |  |  |  |  |  |  |  |
|---|---|--------|--|--|--|--|--|--|--|--|
| Weter Certificates       Home Page > Certificates > Transfer Options         Certificate Transfer Options |   |        |  |  |  |  |  |  |  |  |
| ROCs     Please select one of the following transfer options:   |   |        |  |  |  |  |  |  |  |  |
| 📎 LECs  | Option  | Ontion |  |  |  |  |  |  |  |  |
| REGOs   |   |        |  |  |  |  |  |  |  |  |
| 📎 Log out   | Transfer by Number of Certificates (Standard) |        |  |  |  |  |  |  |  |  |
|   | Transfer by Specifying a Certificate Range    |        |  |  |  |  |  |  |  |  |
|   |   |        |  |  |  |  |  |  |  |  |



Submit transfer request

Cancel

|                     |                  | L                                  |                                     |               |  |                                     |  |                |  |  |  |
|---------------------|------------------|------------------------------------|-------------------------------------|---------------|--|-------------------------------------|--|----------------|--|--|--|
| 🔇 back to home page |                  |                                    |                                     |               | fer Request Create by range                  | e                                   |  |                |  |  |  |
| Retire Certificates | ITalis           | Fransfer Request By Range          |                                     |               |  |                                     |  |                |  |  |  |
| ROCs                | Transfer         | from: TEST F                       | oference: CE                        | N0191907      |  |                                     |  |                |  |  |  |
| LECs                |                  |                                    |                                     |               |  |                                     |  |                |  |  |  |
| REGOs               | Transfer         | to: TEST AC                        | COUNT Refere                        | ence: SUPOC   | 008567                                       |                                     |  |                |  |  |  |
| >> Log out          |                  | e unique ID of<br>ring certificate |                                     | ition you are | SUP0008567                                   |                                     |  |                |  |  |  |
|                     |                  |                                    |                                     |               |  |                                     | Show Filter                                  |                |  |  |  |
|                     | Updat            | e figures                          |                                     |               |  |                                     |  |                |  |  |  |
|                     | Output<br>Period | Generator                          | <u>Technology</u>                   | Issued        | Certificate Start - End Range                | <u>Total</u><br><u>Certificates</u> | Certificate Start - End Range                | No to transfer |  |  |  |
|                     | Apr<br>2008      | Carland Cross<br>Windfarm          | On-shore wind<br>(RO code =<br>RQ)  | 09/07/2008    | R00024RQEN0000000408<br>R00024RQEN0002810408 | 282                                 | R00024RQEN0000500408                         | 50             |  |  |  |
|                     | May<br>2008      | Carland Cross<br>Windfarm          | On-shore wind<br>(RO code =<br>RQ)  | 08/08/2008    | R00024RQEN0000000508<br>R00024RQEN0000010508 | 2                                   | R00024RQEN0000000508                         | 1              |  |  |  |
|                     | Jun<br>2008      | Carland Cross<br>Windfarm          | On-shore wind<br>(RO code =<br>RQ)  | 08/09/2008    | R00024RQEN0000000608<br>R00024RQEN0002990608 | 300                                 | R00024RQEN0000000608                         | 200            |  |  |  |
|                     | Sep<br>2008      | Whitelee<br>Windfarm               | On-shore wind<br>(ROS code =<br>SQ) | 08/12/2008    | R000895Q5C0000000908<br>R000895Q5C0171460908 | 17147                               | R00089SQSC0101470908<br>R00089SQSC0171460908 | 7000           |  |  |  |
|                     | Total            |                                    |                                     |               |  | 17731                               |  |                |  |  |  |
|                     | Updat            | e figures                          |                                     |               |  |                                     |  |                |  |  |  |



| My Account Accreditation                  | Declaration   | Output Data               | Certificates Repor               | ts                 |                         |                         |                 |
|---|---------------|---------------------------|----------------------------------|--------------------|-------------------------|-------------------------|-----------------|
| back to home page     Retire Certificates | Transfer      | details confi             | rmation                          |                    |                         |                         |                 |
| ROCs                                      | Veu are abou  | it to submit the fu       | llewing transfer reques          | t from Orappiantia |                         | CEN0101007: to Orappia  | tion Names TECT |
| ECs                                       |               | eference: SUP000          |                                  | t from Organisatio | n Name: TEST; reference | GENU181897; to Organisa | auon Name: TEST |
| REGOs                                     |               |                           |                                  |                    |                         |                         |                 |
| 📎 Log out                                 | Output Period | Generator                 | Technology                       | Issued             | Start                   | End                     | No to transfer  |
|   | Apr 2008      | Carland Cross<br>Windfarm | On-shore wind (RO code =<br>RQ)  | 09/07/2008         | R00024RQEN0000500408    | R00024RQEN0000990408    | 50              |
|   | May 2008      | Carland Cross<br>Windfarm | On-shore wind (RO code = RQ)     | 08/08/2008         | R00024RQEN0000000508    | R00024RQEN0000000508    | 1               |
|   | Jun 2008      | Carland Cross<br>Windfarm | On-shore wind (RO code = RQ)     | 08/09/2008         | R00024RQEN0000000608    | R00024RQEN0001990608    | 200             |
|   | Sep 2008      | Whitelee Windfarm         | On-shore wind (ROS code<br>= SQ) | 08/12/2008         | R000895Q5C0101470908    | R000895Q5C0171460908    | 7000            |
|   | Proce         | ed with the transfer re   | equest Back                      |                    |                         |                         |                 |



## Reports

| Certificate Status         | Description   |
|----------------------------|---|
| Cancelled                  | Certificates that have been issued in error (e.g. duplicate certificates)   |
| Issued                     | Certificates that can be used (i.e. ROCs for RO compliance,<br>LECs are allocated against supply under CCL and REGO for<br>Fuel Mix Disclosure "FMD") |
| Pending Revoke             | Certificates where there is a dispute regarding output data submitted.  |
| Pending Transfer           | Certificates transferred to another account on the register, but have not been accept.  |
| Reconciliation<br>Withheld | CHP LEC certificates that have been withheld due to reconciliation on the new CHP efficiency (TPO/QPO).   |
| Redeemed                   | Certificates that have been used (i.e. RO compliance, LECs allocated against supply and REGOs for FMD)  |
| Retired                    | Certificates that have been voluntary retired (i.e. the account holder has decided not to use)  |
| Revoked                    | Certificates that do not represent renewable electricity generated.   |



| Certificates                 | <u>View</u> |
|------------------------------|-------------|
| Certificates Transferred In  | <u>View</u> |
| Certificates Transferred Out | <u>View</u> |

### **Certificates Report**

| Scheme:             | CCL, CHP, REGO, RO | <b>~</b> | Generating Station:  |  |   | View Report |
|---------------------|--------------------|----------|----------------------|--|---|-------------|
| Technology:         |                    |          | Start Certificate:   |  |   |             |
| End Certificate:    |                    |          | Status:              | Cancelled, Generated, Issued,                                    |   |             |
| Issue Date From:    |                    |          | Issue Date To:       | <ul> <li>✓ Cancelled</li> <li>✓ Generated</li> </ul>             |   |             |
| Status Date From:   |                    |          | Status Date To:      |  |   |             |
| Output Period From: |                    |          |                      | <ul> <li>✓ Pending Revoke</li> <li>✓ Pending Transfer</li> </ul> |   |             |
| Show Subtotals:     | ⊙ True ○ False     |          |                      | Reconciliation Withheld Redeemed                                 |   |             |
| [4 4 1 of 1         | ▶ ▶ 100% ✓         | Fi       | nd   Next Select a f |  | 3 | *           |

#### **Certificate Status Report**

Organisation = TEST and Scheme = (CCL, CHP, REGO, RO) and Status = (Cancelled, Generated, Issued, Pending Revoke, Pending Transfer, Reconciliation Withheld, Redeemed, Retired, Revoked)

| Data valid from | 18/02/2009 1 | 12:40:08 |
|-----------------|--------------|----------|
|-----------------|--------------|----------|

| Generating Station     | Accreditatio<br>n Number | Country  | Scheme  | Status                | Technology       | Output<br>Period | No of<br>Certificates | Start Certificate No | End Certificate No   |            | Status<br>Date |
|------------------------|--------------------------|----------|---------|-----------------------|------------------|------------------|-----------------------|----------------------|----------------------|------------|----------------|
| ÷                      | ÷                        | ÷        | \$      | ŧ                     | ÷                | ŧ                | ŧ                     | \$                   | ÷                    | ÷          | ŧ              |
|                        |                          |          |         |                       |                  |                  |                       |                      |                      |            |                |
| Carland Cross Windfarm | R00024RQEN               | England  | RO      | Issued                | On-shore Wind    | Apr-2008         | 782                   | R00024RQEN000000408  | R00024RQEN0007810408 | 09/07/2008 | 17/02/200      |
| Carland Cross Windfarm | R00024RQEN               | England  | RO      | Issued                | On-shore Wind    | May-<br>2008     | 502                   | R00024RQEN000000508  | R00024RQEN0005010508 | 08/08/2008 | 17/02/200      |
| Carland Cross Windfarm | R00024RQEN               | England  | RO      | Issued                | On-shore Wind    | Jun-2008         | 800                   | R00024RQEN000000608  | R00024RQEN0007990608 | 08/09/2008 | 17/02/200      |
| Whitelee Windfarm      | R000895Q5C               | Scotland | RO      | Issued                | On-shore Wind    | Sep-2008         | 18,147                | R000895Q5C000000908  | R000895Q5C0181460908 | 08/12/2008 | 17/02/200      |
|                        |                          |          |         | Total Issu            | ed (4 Records)   |                  | 20,231                |                      |                      |            |                |
| Carland Cross Windfarm | R00024RQEN               | England  | RO      | Pending<br>Transfer   | On-shore Wind    | Apr-2008         | 56                    | R00024RQEN0007820408 | R00024RQEN0008370408 | 09/07/2008 | 17/02/200      |
| Carland Cross Windfarm | R00024RQEN               | England  | RO      | Pending<br>Transfer   | On-shore Wind    | May-<br>2008     | 90                    | R00024RQEN0005020508 | R00024RQEN0005910508 | 08/08/2008 | 17/02/200      |
| Carland Cross Windfarm | R00024RQEN               | England  | RO      | Pending<br>Transfer   | On-shore Wind    | Jun-2008         | 100                   | R00024RQEN0008000608 | R00024RQEN0008990608 | 08/09/2008 | 17/02/200      |
| Whitelee Windfarm      | R000895Q5C               | Scotland | RO      | Pending<br>Transfer   | On-shore Wind    | Sep-2008         | 2,000                 | R000895Q5C0181470908 | R000895Q5C0201460908 | 08/12/2008 | 17/02/200      |
|                        |                          |          |         | Total Pen<br>Records) | ding Transfer (4 |                  | 2,246                 |                      |                      |            |                |
|                        |                          |          | Total R | ) (8 Recor            | ds)              |                  | 22,477                |                      |                      |            |                |



## **Transferred In Report**

| - |                          |                    |             |                         |              |             |
|---|--------------------------|--------------------|-------------|-------------------------|--------------|-------------|
|   |                          |                    |             |                         |              |             |
|   | Scheme:                  | CCL, CHP, REGO, RO | <b>M</b>    | Generator Name:         |              | View Report |
|   | Start Certificate No:    |                    | <b>NULL</b> | End Certificate No:     |              |             |
|   | Output Period From:      | <u></u>            |             | Output Period To:       |              |             |
|   | Transfer Initiated From: |                    |             | Transfer Initiated To:  |              |             |
|   | Transfer Accepted From:  |                    |             | Transfer Accepted To:   |              |             |
|   | Transferor Name:         | <u></u>            |             | Transferor Account Ref: |              |             |
|   | [4] 4 1 of 1 ▷           | ▶∥ 100% 💌          | Find        | Next Select a format    | 💌 Export 🛛 🛃 |             |

#### **Certificates Transferred In**

Transferee Organisation = TEST (GEN0181897) and Scheme = (CCL, CHP, REGO, RO)

| Generator Name         |            |            | Output<br>Period | Scheme | Start Certificate No | End Certificate No   | No of Certs | Transferor Name                    | Transferor<br>Ref |
|------------------------|------------|------------|------------------|--------|----------------------|----------------------|-------------|------------------------------------|-------------------|
| ¢                      | ¢          | ¢          | ¢                | ŧ      | ÷                    | ¢                    | Ş           | ÷                                  | ¢                 |
| Carland Cross Windfarm | 17/02/2009 | 17/02/2009 | Apr-2008         | RO     | R00024RQEN0000000408 | R00024RQEN0008370408 |             | ScottishPower Energy<br>Retail Ltd | SUP0008574        |
| Carland Cross Windfarm | 17/02/2009 | 17/02/2009 | May-2008         | RO     | R00024RQEN000000508  | R00024RQEN0005910508 |             | ScottishPower Energy<br>Retail Ltd | SUP0008574        |
| Carland Cross Windfarm | 17/02/2009 | 17/02/2009 | Jun-2008         | RO     | R00024RQEN000000608  | R00024RQEN0008990608 |             | ScottishPower Energy<br>Retail Ltd | SUP0008574        |
| Whitelee Windfarm      | 17/02/2009 | 17/02/2009 | Sep-2008         | RO     | R000895Q5C000000908  | R000895Q5C0201460908 |             | ScottishPower Energy<br>Retail Ltd | SUP0008574        |

#### 4 Records Returned

Page 1 of 1

Printed: 18/02/2009 16:07:39

## **Transferred Out Report**

| Scheme:                  | CCL, CHP, REGO, RO | M    | Generator Name:         |              | <b>I</b> NULL | View Report |
|--------------------------|--------------------|------|-------------------------|--------------|---------------|-------------|
| Start Certificate:       |                    | NULL | End Certificate:        |              |               |             |
| Output Period From:      |                    |      | Output Period To:       |              |               |             |
| Transfer Initiated From: |                    |      | Transfer Initiated To:  |              |               |             |
| Transfer Accepted From   | :                  |      | Transfer Accepted To:   |              |               |             |
| Transferee Name:         |                    |      | Transferee Account Ref: |              | <b>I</b> NULL |             |
| [4 4 1 of 1 ▶            | ▶ 100% ►           | Find | Next Select a format    | 💌 Export 🔹 🎒 |               |             |

#### **Certificates Transferred Out**

Transferor Organisation = TEST (GEN0181897) and Scheme = (CCL, CHP, REGO, RO)

#### Data valid from 18/02/2009 12:40:08

|    |   | Transfer<br>Accepted |   | Scheme | Start Certificate | End Certificate | No of Certs | Transferee Name | Transferee<br>Ref |
|----|---|----------------------|---|--------|-------------------|-----------------|-------------|-----------------|-------------------|
| \$ | ŧ | ¢                    | ŧ | ŧ      | ÷                 | \$              | ŧ           | ŧ               | ŧ                 |

#### 0 Records Returned

Dane 1 of 1

Drinted: 18/02/2000 16:10:03



## Q&A

