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SCOTTISH STATUTORY INSTRUMENTS

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**2009 No. 140**

**The Renewables Obligation (Scotland) Order 2009**

**PART 5**

SROCs to be issued by Authority in respect of renewable output

**Calculating a generating station's renewable output**

**25.**—(1) Subject to article 26, the renewable output of a generating station in any month is equal to—

- (a) where the input electricity used by the generating station during that month does not exceed 0.5 per cent of the gross output of that station during that month, A; and
- (b) in any other case,

$$A \times \frac{B}{C}$$

(2) In paragraph (1)—

- (a) A is equal to

$$C \times \frac{D}{E}$$

where—

- i C is the gross output of the generating station during the month in question;
- ii D is the energy content of all of the renewable sources used in generating that station's gross output during that month, less the energy content of—
  - (aa) any fossil fuel from which those renewable sources are in part composed (other than fossil fuel from which a fuel the energy content of which is deducted by virtue of [<sup>F1</sup>sub-paragraphs (bb) and (dd)] is in part composed);
  - (bb) any of those renewable sources which is Solid Recovered Fuel (other than Solid Recovered Fuel which constitutes biomass);
  - (cc) <sup>F2</sup>.....
  - (dd) except in the case of an excepted generating station, any of those renewable sources which is a gaseous fuel produced by means of gasification or pyrolysis and which has a gross calorific value when measured at 25 degrees Celsius and 0.1 megapascals at the inlet to the station of less than 2 megajoules per metre cubed;

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*Status: Point in time view as at 01/04/2013. This version of this provision has been superseded.*

*Changes to legislation: There are currently no known outstanding effects for the The Renewables Obligation (Scotland) Order 2009, Section 25. (See end of Document for details)*

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iii E is the energy content of all of the fuels used in generating that station's gross output during that month;

(b) B is the gross output of that station during that month less the input electricity it uses during that month.

[<sup>F3</sup>(3) Paragraphs (4) to (4E) apply for the purposes of article 24 and Part 6.

(4) In any month where the renewable output of the station is generated in a single way, the proportion of the station's renewable output in that month which is generated using—

(a) pre-2013 capacity is

PN

;

(b) 2013/14 capacity is

QN

;

(c) 2014/15 capacity is

RN

;

(d) 2015/16 capacity is

SN

;

(e) post-2016 capacity is

TN

.

(4A) In any month where pre-2013 capacity forms all or part of the total installed capacity of a generating station and the renewable output of the station is generated in two or more ways, the proportion of the station's renewable output in that month which is generated in each of those ways using pre-2013 capacity—

(a) in the case of renewable output generated in the way described as “landfill gas heat recovery” in Schedule 2, is

$MN \times PN$

;

(b) in the case of renewable output generated using mixed gas in the way described as “AD” in Schedule 2, is

$HI \times JL \times PN$

;

(c) in the case of renewable output generated using mixed gas in the way described as “electricity generated from sewage gas” in Schedule 2, is

$HI \times KL \times PN$

;

(d) in the case of renewable output generated in a way not falling within sub-paragraph (a), (b) or (c), is

FG×PN

(4B) In any month where 2013/14 capacity forms all or part of the total installed capacity of a generating station and the renewable output of the station is generated in two or more ways, the proportion of the station's renewable output in that month which is generated in each of those ways using 2013/14 capacity—

- (a) in the case of renewable output generated in the way described as “landfill gas heat recovery” in Schedule 2, is

MN×QN

;

- (b) in the case of renewable output generated using mixed gas in the way described as “AD” in Schedule 2, is

HI×JL×QN

;

- (c) in the case of renewable output generated using mixed gas in the way described as “electricity generated from sewage gas” in Schedule 2, is

HI×KL×QN

;

- (d) in the case of renewable output generated in a way not falling within sub-paragraph (a), (b) or (c), is

FG×QN

(4C) In any month where 2014/15 capacity forms all or part of the total installed capacity of a generating station and the renewable output of the station is generated in two or more ways, the proportion of the station's renewable output in that month which is generated in each of those ways using 2014/15 capacity—

- (a) in the case of renewable output generated in the way described as “landfill gas heat recovery” in Schedule 2, is

MN×RN

;

- (b) in the case of renewable output generated using mixed gas in the way described as “AD” in Schedule 2, is

HI×JL×RN

;

- (c) in the case of renewable output generated using mixed gas in the way described as “electricity generated from sewage gas” in Schedule 2, is

HI×KL×RN

;

- (d) in the case of renewable output generated in a way not falling within sub-paragraph (a), (b) or (c), is

FG×RN

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*Status: Point in time view as at 01/04/2013. This version of this provision has been superseded.*

*Changes to legislation: There are currently no known outstanding effects for the The Renewables Obligation (Scotland) Order 2009, Section 25. (See end of Document for details)*

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(4D) In any month where 2015/16 capacity forms all or part of the total installed capacity of a generating station and the renewable output of the station is generated in two or more ways, the proportion of the station's renewable output in that month which is generated in each of those ways using 2015/16 capacity—

- (a) in the case of renewable output generated in the way described as “landfill gas heat recovery” in Schedule 2, is

$$MN \times SN$$

;

- (b) in the case of renewable output generated using mixed gas in the way described as “AD” in Schedule 2, is

$$HI \times JL \times SN$$

;

- (c) in the case of renewable output generated using mixed gas in the way described as “electricity generated from sewage gas” in Schedule 2, is

$$HI \times KL \times SN$$

;

- (d) in the case of renewable output generated in a way not falling within sub-paragraph (a), (b) or (c), is

$$FG \times SN$$

(4E) In any month where post-2016 capacity forms all or part of the total installed capacity of a generating station and the renewable output of the station is generated in two or more ways, the proportion of the station's renewable output in that month which is generated in each of those ways using post-2016 capacity—

- (a) in the case of renewable output generated in the way described as “landfill gas heat recovery” in Schedule 2, is

$$MN \times TN$$

;

- (b) in the case of renewable output generated using mixed gas in the way described as “AD” in Schedule 2, is

$$HI \times JL \times TN$$

;

- (c) in the case of renewable output generated using mixed gas in the way described as “electricity generated from sewage gas” in Schedule 2, is

$$HI \times KL \times TN$$

;

- (d) in the case of renewable output generated in a way not falling within sub-paragraph (a), (b) or (c), is

$$FG \times TN$$

(5) In paragraphs (4) to (4E)—

- (a) F is the energy content of the renewable sources used when generating electricity in that way during that month less the energy content of—
  - (i) any fossil fuel from which those renewable sources are in part composed (other than fossil fuel from which a fuel the energy content of which is deducted by virtue of paragraphs (ii) or (iii) is in part composed);
  - (ii) any of those renewable sources which is Solid Recovered Fuel (other than Solid Recovered Fuel which constitutes biomass);
  - (iii) except in the case of an excepted generating station, any of those renewable sources which is a gaseous fuel produced by means of gasification or pyrolysis and which has a gross calorific value when measured at 25 degrees Celsius and 0.1 megapascals at the inlet to the station of less than two megajoules per metre cubed;
- (b) G is the energy content of all of the renewable sources used in generating the station's gross output during that month less the energy content of—
  - (i) any fossil fuel from which those renewable sources are in part composed (other than fossil fuel from which a fuel the energy content of which is deducted by virtue of paragraphs (ii) or (iii) is in part composed);
  - (ii) any of those renewable sources which is Solid Recovered Fuel (other than Solid Recovered Fuel which constitutes biomass);
  - (iii) except in the case of an excepted generating station, any of those renewable sources which is a gaseous fuel produced by means of gasification or pyrolysis and which has a gross calorific value when measured at 25 degrees Celsius and 0.1 megapascals at the inlet to the station of less than two megajoules per metre cubed;
- (c) H is the energy content of the mixed gas used when generating the station's renewable output during that month;
- (d) I is the energy content of all of the renewable sources used in generating the station's renewable output during that month;
- (e) J is the dry mass of—
  - (i) any waste which constitutes a renewable source (other than sewage); and
  - (ii) any biomass (other than sewage),from which the mixed gas used in generating the station's renewable output during that month is formed, less the dry mass of any digestible fossil fuel from which that waste or biomass is in part composed;
- (f) K is the dry mass of the sewage from which the mixed gas used in generating the station's renewable output during that month is formed;
- (g) L is the dry mass of all of the material from which the mixed gas used in generating the station's renewable output during that month is formed, less the dry mass of any digestible fossil fuel from which that material is in part composed;
- (h) M is the maximum capacity in that month at which the station could generate electricity in that way for a sustained period without causing damage to the station (assuming the heat used by the station to generate electricity was available to it without interruption);
- (i) N is the total installed capacity of the station in that month;
- (j) P is the total installed capacity of the pre-2013 capacity of the station in that month;
- (k) Q is the total installed capacity of the 2013/14 capacity of the station in that month;
- (l) R is the total installed capacity of the 2014/15 capacity of the station in that month;

- (m) S is the total installed capacity of the 2015/16 capacity of the station in that month; and  
 (n) T is the total installed capacity of the post-2016 capacity of the station in that month.]

(6) In this article—

“dry mass”, in relation to a fuel, means the mass of the fuel when any water present in it has been removed;

“excepted generating station” means a generating station—

- (a) which is accredited on or before 31st March 2011;  
 (b) which, since being accredited, has not ceased to be accredited at any time; and  
 (c) in respect of which, if it was not accredited as at 31st March 2009, preliminary accreditation was held on and from that date until the date on which it was accredited;

“gross output”, in relation to a generating station, means the total amount of electricity generated by that station;

“input electricity” has the same meaning as in article 24; and

“mixed gas” means gas formed by the anaerobic digestion of sewage together with—

- (a) waste which constitutes a renewable source (other than sewage); or  
 (b) biomass (other than sewage).

[<sup>F4</sup>(7) Any reference in this article to a way of generating renewable output is a reference to—

- (a) one of the ways of generating electricity described in Schedule 2;  
 (b) generating electricity in the way described in article 28D(1)(c);  
 (c) generating electricity in the way described in article 28E(1)(c);  
 (d) generating electricity from renewable sources in a way not falling within sub-paragraphs (a), (b) or (c).]

#### **Textual Amendments**

- F1** Words in art. 25(2)(a) substituted (1.4.2013) by [The Renewables Obligation \(Scotland\) Amendment Order 2013 \(S.S.I. 2013/116\)](#), arts. 1(1), **9(2)** (with art. 29)
- F2** Words in art. 25(2)(a) omitted (1.4.2013) by virtue of [The Renewables Obligation \(Scotland\) Amendment Order 2013 \(S.S.I. 2013/116\)](#), arts. 1(1), **9(3)** (with art. 29)
- F3** Art. 25(3)-(5) substituted (1.4.2013) by [The Renewables Obligation \(Scotland\) Amendment Order 2013 \(S.S.I. 2013/116\)](#), arts. 1(1), **9(4)** (with art. 29)
- F4** Art. 25(7) inserted (1.4.2013) by [The Renewables Obligation \(Scotland\) Amendment Order 2013 \(S.S.I. 2013/116\)](#), arts. 1(1), **9(5)** (with art. 29)

**Status:**

Point in time view as at 01/04/2013. This version of this provision has been superseded.

**Changes to legislation:**

There are currently no known outstanding effects for the The Renewables Obligation (Scotland) Order 2009, Section 25.