

DRAFT SCOTTISH STATUTORY INSTRUMENTS

**2013 No.**

**The Renewables Obligation (Scotland) Amendment Order 2013**

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

9.—(1) Article 25 (calculating a generating station's renewable output) is amended as follows.

(2) In paragraph (2)(a)(ii)(aa) for “sub-heads (bb) to (dd)” substitute “sub-paragraphs (bb) and (dd)”.

(3) Omit paragraph (2)(a)(ii)(cc).

(4) For paragraphs (3) to (5) substitute—

“(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  $\frac{P}{N}$ ;
- (b) 2013/14 capacity is  $\frac{Q}{N}$ ;
- (c) 2014/15 capacity is  $\frac{R}{N}$ ;
- (d) 2015/16 capacity is  $\frac{S}{N}$ ;
- (e) post-2016 capacity is  $\frac{T}{N}$ .

(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  $\frac{M}{N} \times \frac{P}{N}$ ;

(b) in the case of renewable output generated using mixed gas in the way described

as “AD” in Schedule 2, is  $\frac{H}{I} \times \frac{J}{L} \times \frac{P}{N}$ ;

(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  $\frac{H}{I} \times \frac{K}{L} \times \frac{P}{N}$ ;

(d) in the case of renewable output generated in a way not falling within sub-

paragraph (a), (b) or (c), is  $\frac{F}{G} \times \frac{P}{N}$ .

(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  $\frac{M}{N} \times \frac{Q}{N}$ ;

(b) in the case of renewable output generated using mixed gas in the way described

as “AD” in Schedule 2, is  $\frac{H}{I} \times \frac{J}{L} \times \frac{Q}{N}$ ;

(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  $\frac{H}{I} \times \frac{K}{L} \times \frac{Q}{N}$ ;

(d) in the case of renewable output generated in a way not falling within sub-

paragraph (a), (b) or (c), is  $\frac{F}{G} \times \frac{Q}{N}$ .

(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  $\frac{M}{N} \times \frac{R}{N}$ ;

(b) in the case of renewable output generated using mixed gas in the way described

as “AD” in Schedule 2, is  $\frac{H}{I} \times \frac{J}{L} \times \frac{R}{N}$ ;

(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  $\frac{H}{I} \times \frac{K}{L} \times \frac{R}{N}$ ;

(d) in the case of renewable output generated in a way not falling within sub-

paragraph (a), (b) or (c), is  $\frac{F}{G} \times \frac{R}{N}$ .

(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 
$$\frac{M}{N} \times \frac{S}{N};$$

- (b) in the case of renewable output generated using mixed gas in the way described

as “AD” in Schedule 2, is 
$$\frac{H}{I} \times \frac{J}{L} \times \frac{S}{N};$$

- (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 
$$\frac{H}{I} \times \frac{K}{L} \times \frac{S}{N};$$

- (d) in the case of renewable output generated in a way not falling within sub-

paragraph (a), (b) or (c), is 
$$\frac{F}{G} \times \frac{S}{N}.$$

(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 
$$\frac{M}{N} \times \frac{T}{N};$$

- (b) in the case of renewable output generated using mixed gas in the way described

as “AD” in Schedule 2, is 
$$\frac{H}{I} \times \frac{J}{L} \times \frac{T}{N};$$

- (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 
$$\frac{H}{I} \times \frac{K}{L} \times \frac{T}{N};$$

- (d) in the case of renewable output generated in a way not falling within sub-

paragraph (a), (b) or (c), is 
$$\frac{F}{G} \times \frac{T}{N}.$$

(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.”.
- (5) After paragraph (6) insert—
- “(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).”