

2009 EEG Payment Provisions

Payment provisions in the future EEG for the year 2009, as adopted by the German Bundestag Parliamentary Decision from June 6, 2008

in comparison to payments according:

- **the government's December 5, 2007 draft amendment to the EEG;**
- **the EEG Progress Report from November 7, 2007; and**
- **the 2004 EEG.**

The following tables provide an overview of the fees and degressions for facilities commissioned in 2009. The values are in ct/kWh.

The fees and degressions described as "EEG 2009" will only be effective once the 2009 EEG is in force. The comparison is provided for information purposes only.

This information merely serves as a guide. The relevant laws and ordinances take precedence (see the Federal Law Gazette Part I, No. 40, pp. 1918 ff, dated 31 July 2004). For current fees payable under the 2004 EEG, see http://www.erneuerbare-energien.de/files/pdfs/allgemein/application/pdf/verguetungssaetze_nach_eeg.pdf

(in German)

Calculating the capacity of a plant:

Where different minimum fees are stipulated depending on plant capacity, the level of fees shall be determined according to the share of a plant's capacity which falls between the relevant threshold values. In this case, the capacity of the plant will not be deemed to be its effective electrical capacity, but rather the ratio of the total of the kilowatt-hours to be fed in to the grid during the calendar year in question to the total number of full hours for that calendar year (see Article 12(2) EEG 2004) The 2009 EEG will retain this provision (see Article 18(2) of the draft EEG 2009).

Hydropower

Facilities of up to 5 MW – new

<i>Share of capacity</i>	2009 EEG Decision by the German Bundestag 06.06.2008 ¹⁾	Government's draft amendments to EEG 05.12.2007 ¹⁾	EEG Progress Report 07.11.2007 ¹⁾	2004 EEG
Up to 500 kW	12.67	12.67	12.67	9.67
500 kW – 2 MW	8.65	8.65	8.65	6.65
2 – 5 MW	7.65	7.65	7.65	6.65

¹⁾ Increase in fees due to reduction in remuneration period from 30 to 20 years

Facilities of up to 5 MW – modernised/revitalised

<i>Share of capacity</i>	2009 EEG Decision by the German Bundestag 06.06.2008 ¹⁾	Government's draft amendments to the EEG 05.12.2007 ¹⁾	EEG Progress Report 07.11.2007 1)	2004 EEG
Up to 500 kW	11.67	10.67	10.67	9.67
500 kW – 2 MW	8.65	7.65	7.65	6.65
2 – 5 MW	8.65	7.65	7.65	6.65

¹⁾ Increase in fees due to reduction in remuneration period from 30 to 20 years

Renewal of facilities of over 5 MW

<i>Increase in capacity</i>	2009 EEG Decision by the German Bundestag 06.06.2008 ²⁾	Government's draft amendments to the EEG 05.12.2007	EEG Progress Report 07.11.2007	2004 EEG
Up to 500 kW	7.29	6.79	1)	7.29
Up to 10 MW	6.32	5.87	1)	6.32
Up to 20 MW	5.80	5.40	1)	5.80
Up to 50 MW	4.34	3.99	1)	4.34
Over 50 MW	3.50	3.10	1)	3.50

¹⁾ Appropriate decrease in level of fees due to extension of remuneration period from 15 to 20 years.

²⁾ Retention of the 15 year payment period.

Degression for Hydropower

2009 EEG Decision by the German Bundestag 06.06.2008	Government's draft amendments to the EEG 05.12.2007	EEG Progress Report 07.11.2007	2004 EEG
Over 5 MW: 1.0%	Over 5 MW: 1.0%	Over 5 MW: 1.0 %	Over 5 MW: 1.0 %

Landfill gas, sewage gas and mine gas

Landfill gas facilities

<i>Share of capacity</i>	2009 EEG Decision by the German Bundestag 06.06.2008	Government's draft amendments to the EEG 05.12.2007	EEG Progress Report 07.11.2007	2004 EEG
<i>Up to 500 kW_{el}</i>	9.00	9.00	9.00	7.11
<i>500 kW_{el} to 5 MW_{el}</i>	6.16	6.16	6.16	6.16

Sewage gas facilities

<i>Share of capacity</i>	2009 EEG Decision by the German Bundestag 06.06.2008	Government's draft amendments to the EEG 05.12.2007	EEG Progress Report 07.11.2007	2004 EEG
<i>Up to 500 kW_{el}</i>	7.11	7.11	7.11	7.11
<i>500 kW_{el} to 5 MW_{el}</i>	6.16	6.16	6.16	6.16

Mine gas facilities

<i>Share of capacity</i>	2009 EEG Decision by the German Bundestag 06.06.2008	Government's draft amendments to the EEG 05.12.2007	EEG Progress Report 07.11.2007	2004 EEG
<i>Up to 500 kW_{el}</i>	7.16	7.16	7.16	7.11
<i>500 kW_{el} to 1 MW_{el}</i>	7.16	7.16	7.16	6.16
<i>1 MW_{el} to 5 MW_{el}</i>	5.16	5.16	5.16	6.16
<i>Over 5 MW_{el}</i>	4.16	4.16	4.16	6.16

Bonuses for landfill gas, sewage gas, mine gas

<i>Technology bonus for facilities of up to 5 MW_{el}</i>				
2009 EEG Decision by the German Bundestag 06.06.2008	Government's draft amendments to the EEG 05.12.2007	EEG Progress Report 07.11.2007	2004 EEG	
Innovative Plant Technology 2.00	2.00	2.00	2.00	
Reprocessing facilities for landfill gas and sewage gas:				
a) up to a maximum of 350 Nm ³ /Hour 2.00				
b) up to a maximum of 700 m ³ /Hour 1.00				

Degression for landfill gas, sewage gas, mine gas

2009 EEG Decision by the German Bundestag 06.06.2008	Government's draft amendments to the EEG dated 05.12.2007	EEG Progress Report of 07.11.2007	2004 EEG	
Basic Fees and Bonuses	Basic Fees and Bonuses	Basic Fees	Basic Fees	
1.5 %	1.5%	1.5%	1.5%	

Biomass

Basic fees

<i>Share of capacity</i>	2009 EEG Decision by the German Bundestag 06.06.2008 ³	Government's draft amendments to the EEG dated 05.12.2007	EEG Progress Report of 07.11.2007	2004 EEG
Up to 150 kW_{el}	11.67¹	11.67 ¹⁾	11.67 ¹⁾	10.67
from 150 kW_{el} to 500 kW_{el}	9.18	9.18	9.18	9.18
from 500 kW_{el} to 5 MW_{el}	8.25	8.25	8.25	8.25
5 MW_{el} to 20 MW_{el}	7.79²	7.79 ²⁾	7.79 ²⁾	7.79

¹⁾ Including existing facilities

²⁾ Only if the electricity is produced using combined heat and power generation

³⁾ Basic Fees raised 1.0 c/kWh for emissions abatement by licensed facilities, existing and new facilities up to 500kW, when formaldehyde release-limits according to the administrative regulation Technical Instructions on Air Quality Control (TA Luft) are maintained.

Bonuses for Biomass I

Bonus for the use of cultivated biomass ("NawaRo Bonus")				
	2009 EEG Decision by the German Bundestag 06.06.2008	Government's draft amendments to the EEG dated 05.12.2007	EEG Progress Report of 07.11.2007	2004 EEG
Share of capacity up to 150 kW_{el} <i>Biomass excluding biogas</i>	6.00	6.00	7.00	6.00
<i>Biogas</i>	7.00	8.00	8.00	6.00
<i>-With at least 30% use of farmyard manure or slurry</i>	+4.0	+2 ct		6.00
<i>-Plant material predominantly from landscape conservation</i>	+2.0			
Share of capacity up to 500 kW_{el} <i>solid biomass</i>	6.00	6.00	7.00	6.00
<i>liquid biomass</i>	0¹⁾	0 ¹⁾	7.00	6.00
<i>gas biomass</i>	7.00	8.00	7.00	6.00
<i>Biogas</i>	+1.0	8.00	7.00	6.00
<i>-Minimum 30% manure</i>		8.00	7.00	6.00
<i>-Plant material predominantly from landscape conservation</i>	+2.0			
Capacity up to 5 MW_{el} <i>solid biomass</i>	4.00	4.00	4.00	4.00
<i>liquid biomass</i>	0¹⁾	0 ¹⁾	4.00	4.00
<i>gas biomass</i>	4.00	4.00	4.00	4.00
<i>where wood burnt / where wood from short rotation coppice and landscape management material burnt</i>	2.50	2.50	2.50	2.50
	4.00	4.00	4.00	2.50

¹⁾ Only for facilities commissioned after 01.01.2009

Bonuses for Biomass II

<i>Technology bonus for facilities up to 5 MW_{el}</i>			
2009 EEG Decision by the German Bundestag 06.06.2008	Government's draft amendments to the EEG 05.12.2007	EEG Progress Report 07.11.2007	2004 EEG
Innovative Plant Technology 2.00	2.00	2.00	2.00
Gas Reprocessing: a) up to a maximum of 350 Nm ³ /Hour 2.00 b) up to a maximum of 700 Nm ³ /Hour 1.00			

<i>CHP bonus (only for the share of feed-in deemed to be CHP electricity)</i>			
2009 EEG Decision by the German Bundestag 06.06.2008	Government's draft amendments to the EEG dated 05.12.2007	EEG Progress Report 07.11.2007	2004 EEG
Up to 20 MW_{el}	Up to 20 MW _{el}		Up to 20 MW _{el}
3.00¹⁾	3.00 ²⁾	3.00	2.00

¹⁾ Also for existing facilities operated as CHP iSv Facility 3 for the first time after 31.12.2008.
Existing facilities with a capacity up to 500kW, when the Facility 3 requirements are met.

²⁾ Also for existing facilities operated as CHP for the first time after 31.12.2008.

Degression for Biomass

2009 EEG Decision by the German Bundestag 06.06.2008	Government's draft amendments to the EEG 05.12.2007	EEG Progress Report 07.11.2007	2004 EEG
Basic Fees and Bonuses: 1.0%	Basic Fees and Bonuses: 1.0%	Basic Fees and Bonuses: 1.0%	Basic Fees: 1.5%

Sample calculations for fees payable for electricity from biomass facilities:**Capacity of 2.5 MW_{el}¹⁾ with CHP and technology bonuses**

Share of capacity up to 150 kW_{el} = 6%

Share of capacity from 150 kW_{el} to 500 kW_{el} = 14%

Share of capacity from 500 kW_{el} to 2.5 MW_{el} = 80%

Heat extraction and use (CHP) at 100% electricity production

	2009 EEG Decision by the German Bundestag 06.06.2008	2004 EEG
Basic fee		
Share of capacity to 150 kW _{el}	0.06 x 11.67	0.06 x 10.67
Share of capacity to 500 kW _{el}	+ 0.14 x 9.18	+ 0.14 x 9.18
Share of capacity to 2.5 MW _{el}	+ 0.80 x 8.25	+ 0.80 x 8.25
CHP bonus	+ 3.00	+ 2.00
Technology bonus	+ 2.00	+ 2.00
Total payments	= 13.59	= 12.53

¹⁾ For example, this might be a facility with 3 MW_{el} of installed capacity, running for 7,300 hours a year at full capacity (see note on p. 1)

Biogas facility with a capacity of 500 kW_{el}¹⁾ with NawaRo and CHP bonuses

Capacity up to 150 kW_{el}: 30 %

Capacity up to 500 kW_{el}: 70 %

Heat extraction and use (CHP) at 70% electricity production

	2009 EEG Decision by the German Bundestag 06.06.2008	2004 EEG
Basic fee Share of capacity to 150 kW _{el} Share of capacity to 500 kW _{el}	0.3 x 11.67 + 0.7 x 9.18	0.3 x 10.67 + 0.7 x 9.18
NawaRo bonus Share of capacity to 150 kW _{el} Share of capacity to 500 kW _{el}	+ 0.3 x 7.00 + 0.7 x 7.00	+ 0.3 x 6.00 + 0.7 x 6.00
CHP bonus	+ 0.7 x 3.00	+ 0.7 x 2.00
Total payments	= 19.03	= 17.03

¹⁾ For example, this might be a facility with 750 kW_{el} of installed capacity, running for 5,840 hours a year at full capacity (see note on p. 1)

Biomass facility (wood from short rotation coppice) with a capacity of 1 MW_{el}¹⁾ with NawaRo and CHP bonuses

Share of capacity up to 150 kW_{el} = 15 %

Share of capacity from 150 kW_{el} to 500 kW_{el} = 35%

Capacity from 500 kW_{el} to 1 MW_{el} = 50%

Heat extraction and use (CHP) at 80 % electricity production

	2009 EEG Decision by the German Bundestag 06.06.2008	2004 EEG
Basic fee Share of capacity to 150 kW _{el} Share of capacity to 500 kW _{el} Share of capacity to 1 MW _{el}	0.15 x 11.67 + 0.35 x 9.18 + 0.50 x 8.25	0.15 x 10.67 + 0.35 x 9.18 + 0.50 x 8.25
NawaRo bonus Share of capacity to 150 kW _{el} Share of capacity to 500 kW _{el} Share of capacity to 1 MW _{el}	+ 0.15 x 6.00 + 0.35 x 6.00 + 0.50 x 4.00	+ 0.15 x 6.00 + 0.35 x 6.00 + 0.50 x 2.50
CHP bonus	+ 0.8 x 3.00	+ 0.8 x 2.00
Total payments	= 16.49	= 14.79

¹⁾ For example, this might be a facility with 1.2 MW_{el} of installed capacity, running for 7,300 hours a year at full capacity (see note on p. 1)

Geothermal

Basic Fees

<i>Share of capacity</i>	2009 EEG Decision by the German Bundestag 06.06.2008 ¹⁾	Government's draft amendments to the EEG 05.12.2007	EEG Progress Report 07.11.2007	2004 EEG
<i>Up to 5 MW_{el}</i>	16.00	16.00	16.00	15.00
<i>Up to 10 MW_{el}</i>	16.00	16.00	16.00	14.00
<i>Up to 20 MW_{el}</i>	10.50	10.50	10.50	8.95
<i>Over 20 MW_{el}</i>	10.50	10.50	10.50	7.16

¹⁾ Installations operating prior to 12.31.2015 the Basic Fee is raised by 4.00 ct/kWh.

Bonuses

Heat cogeneration bonus			
2009 EEG Decision by the German Bundestag 06.06.2008	Government's draft amendments to the EEG 05.12.2007	EEG Progress Report 07.11.2007	2004 EEG
Capacity up to 10 MW_{el}	Capacity up to 10 MW _{el}		
3,00	2.00	2.00	-

Heat cogeneration bonus			
2009 EEG Decision by the German Bundestag 06.06.2008	Government's draft amendments to the EEG 05.12.2007	EEG Progress Report 07.11.2007	2004 EEG
For facilities of up to 10 MW_{el} with petrothermal technology	For facilities of up to 10 MW _{el} with petrothermal technology	For non-hydrothermal technologies	
4.00	2.00	2.00	-

Degression for Geothermal

2009 EEG Decision by the German Bundestag 06.06.2008	Government's draft amendments to the EEG 05.12.2007	EEG Progress Report of 07.11.2007	2004 EEG
Basic Fees and Bonuses	Basic Fees and Bonuses	Basic Fees	Basic Fees
1.0 %	1.0%	From 2010: 1.0%	From 2010: 1.0%

Onshore wind

Basic fees

	2009 EEG Decision by the German Bundestag 06.06.2008	Government's draft amendments to the EEG 05.12.2007	EEG Progress Report 07.11.2007	2004 EEG
Initial fee (first 5 years from beginning of operation)	9.2	7.95	7.87 - 7.95 ¹⁾	7.87
Final fee	5.02	5.02	4.97 - 5.02 ¹⁾	4.97

¹⁾ Range taken from EEG Progress Report policy recommendations, which set the degression at 1-2 percent from 2009 (see below)

Payments for system services from onshore wind turbine generators

System services bonus			
2009 EEG Decision by the German Bundestag 06.06.2008	Government's draft amendments to the EEG 05.12.2007	EEG Progress Report 07.11.2007	2004 EEG
For facilities commissioned 2002-2008 retrofitted by 1.1.2011 – payable for 5 years:	For facilities commissioned 2002- 2008 retrofitted by 1.1.2011 – payable for 5 years:	For facilities commissioned 2002-2008 retrofitted by 1.1.2011 – payable for 5 years:	
0.70	0.70	0.70	
Where new technical requirements for facilities commissioned 1.1.2009 to 1.1.2014 have been fulfilled, initial fee rises by	Evaluation if new technical requirements for facilities commissioned 1.1.2009 to 1.1.2014 have to be fulfilled; if so necessitates rise in initial fee by	Where new technical requirements for facilities commissioned 1.1.2009 to 1.1.2014 have been fulfilled, initial fee rises by	
0.50	0.70	0.70	

Degression for onshore wind

2009 EEG Decision by the German Bundestag 06.06.2008	Government's draft amendments to the EEG 05.12.2007	EEG Progress Report 07.11.2007	2004 EEG
Basic Fee and Bonus	Basic Fee and bonus	Basic Fee	Basic Fee
1.0%	1.0%	1.0 – 2.0%	2.0%

Offshore wind

Basic fees

	2009 EEG Decision by the German Bundestag 06.06.2008	Government's draft amendments to the EEG dated 05.12.2007	EEG Progress Report of 07.11.2007	2004 EEG
<i>Initial fee</i>	13.00	12.00	11.00-15.00	8.74
	additional 2 ct/kWh where commissioned by 31.12.2015	additional 2 ct/kWh where commissioned by 31.12.2013		
<i>Final fee</i>	3.50	3.50	3.50	5.95

Degression for offshore wind

2009 EEG Decision by the German Bundestag 06.06.2008	Government's draft amendments to the EEG dated 05.12.2007	EEG Progress Report of 07.11.2007	2004 EEG
From 2015: 5.0%	From 2015: 5.0%	5-7% beginning between 2008 and 2013	From 2008: 2.0%

Solar radiation

Roof-mounted facilities

Share of capacity	2009 EEG Decision by the German Bundestag 06.06.2008	Government's draft amendments to the EEG 05.12.2007	EEG Progress Report 07.11.2007	2004 EEG
<i>Up to 30 kW</i>	43.01	42.48	42.48	44.41
<i>30 kW – 100 kW</i>	40.91	40.36	40.37	42.26
<i>Over 100 kW</i>	39.58	39.90	39.91	41.79
<i>Over 1000 kW</i>	33.00	34.48	34.48	41.79

Fee payable when electricity produced is used within building/facility

Share of capacity	2009 EEG Decision by the German Bundestag 06.06.2008	Government's draft amendments to the EEG 05.12.2007	EEG Progress Report 07.11.2007	2004 EEG
<i>Up to 30 kW</i>	25.01	24.48	-	-

Freestanding facilities

	2009 EEG Decision by the German Bundestag 06.06.2008	Government's draft amendments to the EEG 05.12.2007	EEG Progress Report 07.11.2007	2004 EEG
Irrespective of share of capacity	31.94	32.00	32.01	33.18

Bonuses

<i>For building integrated facilities (façade facilities)</i>				
2009 EEG Decision by the German Bundestag 06.06.2008	Government's draft amendments to the EEG 05.12.2007	EEG Progress Report 07.11.2007	EEG 2004	
Not applicable	5.00	5.00	5.00	

Degression for Solar Radiation

	2009 EEG Decision by the German Bundestag 06.06.2008 ¹⁾	Government's draft amendments to the EEG 05.12.2007	EEG Progress Report 07.11.2007	2004 EEG
Freestanding Facilities	Basic fee and bonuses 2010: 10.0 % ab 2011: 9.0 %	Basic fee and bonuses From 2009: 7.0% From 2011: 8.0%	Basic Fee From 2009: 7.0% From 2011: 8.0%	Basic Fee 5.0% Freestanding facilities 6.5%
Roof Systems:	Basic fee and bonuses Up to 100kW 2010: 8.0 % from 2011: 9.0 % Up to 100 kW 2010: 10.0 % from 2011: 9.0 %	Basic fee and bonuses From 2009: 7.0% From 2011: 8.0%	Basic Fee From 2009: 7.0% From 2011: 8.0%	Basic Fee 5.0% Freestanding facilities 6.5%

¹⁾ Degression is to be either

a) increased by 1 percentage point in the following calendar year when the capacity reaches more than:

- 1) 1500 MW in 2009,
- 2) 1700 MW in 2010 and
- 3) 1900 MW in 2011

or

b) decreased by 1 percentage point in the following calendar year when the capacity remains below:

- 1) 1000 MW in 2009
- 2) 1100 MW in 2010 and
- 3) 1200 MW in 2011.