

Reglementary developments about biogas

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MINISTÈRE
DE LA TRANSITION
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Regulatory developments

Energy Code 2015-2017 (1)

- Energy transition
 - Law, published on August 18, 2015
- New value of feed-in tariff for biogas (methanization) :
 - Ministeriel orders_on October 30, 2015 and September 23, 2016
- Biogaz for cogeneration of heat and electricity (>500 kW) tender procedure :
 - Launched by the French Minister of Energy on February 4, 2016
- Biomethane tender procedure :
 - Ordinance of the President_on April 7, 2016
- RES objectives :
 - Ministeriel order on April 24, 2016



Regulatory developments

Energy Code (2)

➤ Feed-in-premium and feed-in tariffs :

- Ministeriel decree on May 27, 2016
- Ministeriel order on May 9, 2017 about methanization of sludge from water treatment plants
- Ministeriel order about landfill gas on progress

➤ Feed-in tariff :

- Ministeriel order on December 14, 2016 about methanization of biodegradable waste (<500 kW)

➤ Electrical connection by renewable :

- Rules for procedural deadlines in the grid-connection on process
- Ministerial order on November 30, 2017 about permission to apply increases especially for smaller facilities in the rural areas

Regulatory developments Environmental Code (2015-2017)

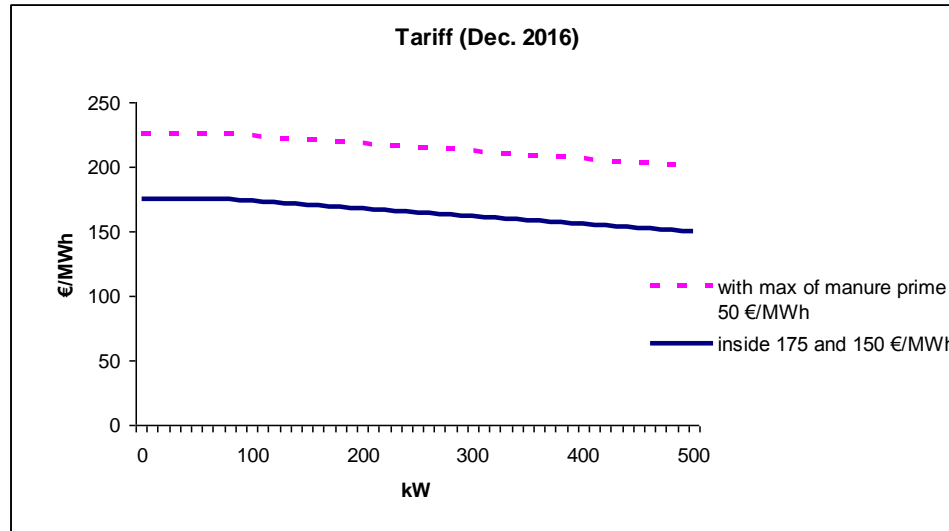
- Food crops and staple crops :
 - Ministeriel decree on July 7, 2016
- Mobilization of Biomass Strategy :
 - Ministeriel decree on August 19, 2016
 - National strategy approved
 - Mobilization of biomass regional plans on progress
- Segregation of recyclable waste at source for enterprises :
 - Ministeriel decree on March 10, 2016
- Segregation of bio-waste at source for everybody :
 - On progress – generalization of sorted at the source of biowaste no later than 2025 (brought back to the end of 2023 with the Waste Framework Directive)

Support mechanisms

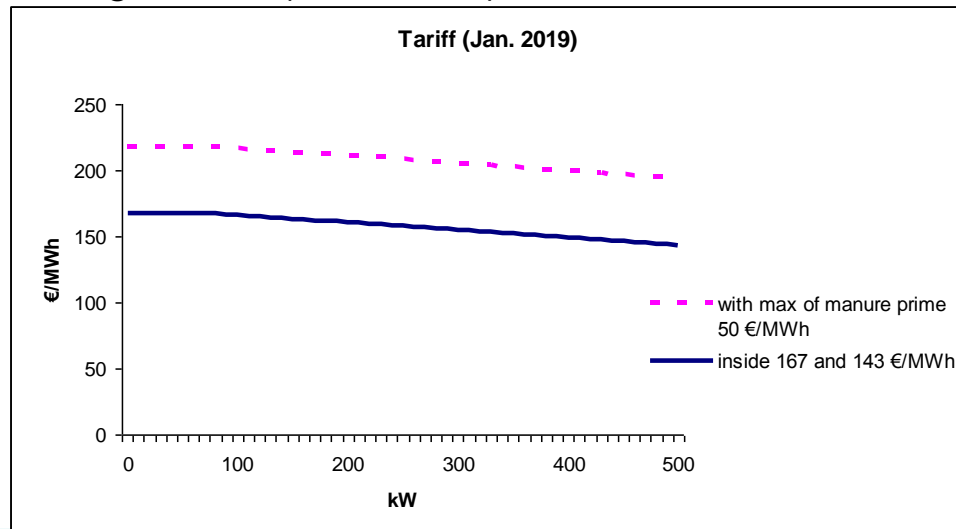
- Electricity :
 - Tender procedure > 500 kW (2016-2018)
 - Feed-in tariffs < 500 kW (since 2016)
- Heating and cooling :
 - Heat fund through regional aids or call of projects “ circular economy ”
 - Energy saving certificate system
- Transport :
 - Call of projects “ clean mobility ”
 - Ecological bonus for low carbon vehicles
- Gas :
 - Feed-in tariffs for biomethane
 - Tenders

Feed-in tariff

➤ Biogas for electricity supply :



degression (-0.5%/trim)



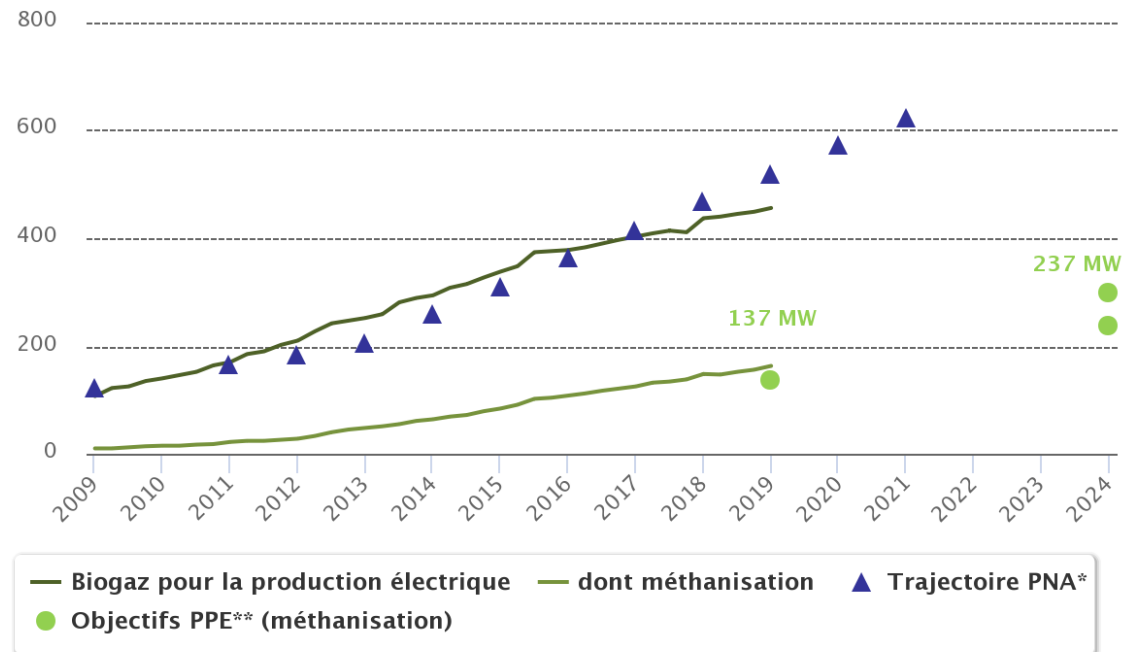
Biogas scoreboard

➤ Electricity :

- At the end of 2018, 453 methanization facilities for 163 MW
- 2018 target achieved in 2017 (137 MW)
- four out of five facilities are small units, less than 500 kW

Évolution du parc des installations de production d'électricité à partir de biogaz

Puissance électrique en MW



<https://www.statistiques.developpement-durable.gouv.fr/publication/web/168>

Renewable Energy Liberalisation Plan (1)

- Government financial support to renewable energy units
 - Report of the Court of auditors
 - Improving the efficiency of public spending
- Simplification to accelerate project development

Findings of the « Methanization » working group by March 2018

Findings review by January 2019

- Agricultural methane units development
 - Launch of a call for tenders for projects of piped biogas units
 - Feed-in premium 500 kW < P < 1 MWe (suspension of tenders)
 - Facilitating access to bank lending (Public Bank of Investissment)
 - Exit of the status of waste of digestates and securing soils valorization
 - Use of biogas fuel in tractors and farm vehicles



Renewable Energy Liberalisation Plan (2)

- Professionalize the methanization sector
 - Staff training
 - Quality approach
 - National portal of the methanization resources
- Facilitate the development of projects
 - Simplification of administrative authorizations
 - Framing of waste mixtures (restrictions for sewage sludge)
 - Simplification of the “water” regulations
 - Introduction of a fee for connected biogas
 - Decarbonisation of transport sector

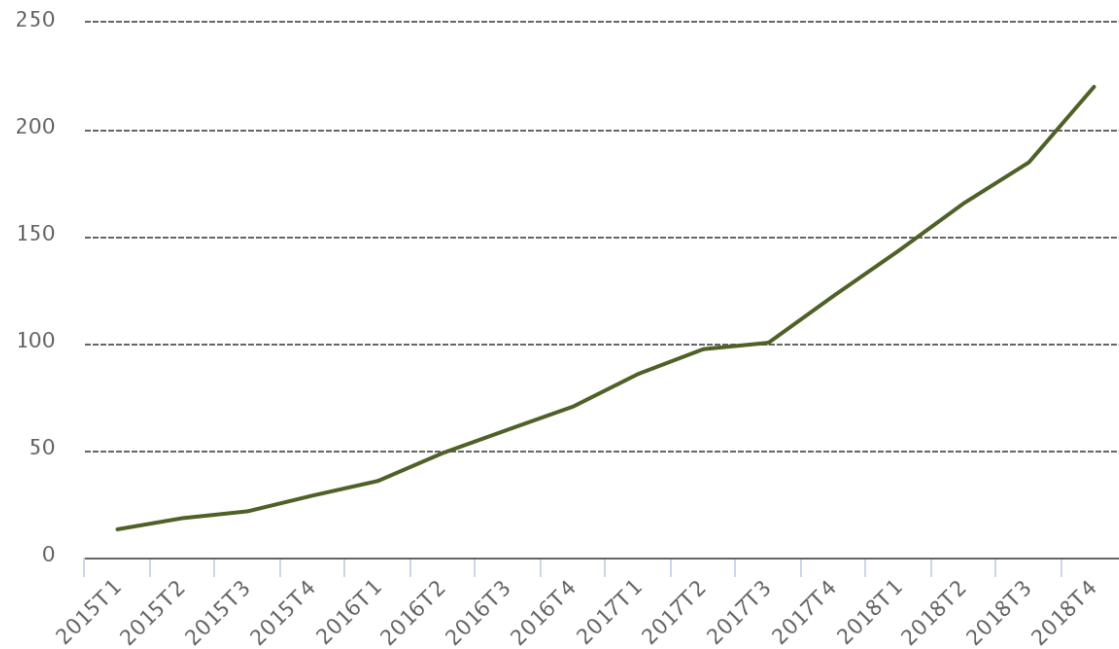
Biogas scoreboard

➤ Biomethane :

- Priority in the energy performance
- Ministerial order on January 10, 2019 about rate of refaction applicable to the costs of connecting biogas production facilities to natural gas transmission networks
- High growth of connected biogas

Évolution de la production nationale de biométhane

En GWh



<https://www.statistiques.developpement-durable.gouv.fr/publicationweb/169>

Regulatory developments

➤ « agriculture and food » (EGALIM) law of October 30, 2018

- *Application decree of Art. 94 (rights to piped biogas) expected in April 2019*

on progress :

➤ « mobility » guidance bill (LOM) *expected on 2019*

- Put on sale of exclusively duty vehicles, with respect to greenhouse gas emission

➤ « energy and climate » bill *expected on june 2019*

- Energy policy objectives : end for fossil fuels and neutrality carbon
- Transposition of the “ RES II ” Directive 2018/2001.

➤ two governance instruments created by LTECV to accurately monitor the implementation of the energy-climate policy and adjust if necessary

➤ Low Carbon National Strategy (SNBC) decree planned

- provides strategic directions to meet climate change objectives by making recommendations for action
- sets a path for reducing greenhouse gas emissions in 2050
- sets “carbon budgets”, emission ceilings not to be exceeded at national level over 3 5-year periods

➤ Multiannual programming of energy (PPE) decree planned

- sets out detailed policy priorities for achieving policy objectives over two five-year periods
- engages the State in terms of public support, authorisation or regulation
- respect the budgets carbon



Multiannual programming of energy (PPE) decree planned

Biogas has many advantages that deserve mobilize significant public funds while structuring the sector and reducing unit support costs

Prospects for biogas to reach 7% of gas consumption in 2030 if cost reductions are achieved and up to 10% if costs are lower

Measures :

- Launch of 2 tenders per year for 350 GWh PCS/year each
- Consolidation of the obligation to purchase biomethane injected at regulated rates for small methane plants
- Maximum purchase price path for injected biomethane reaching 87€/MWh PCS in 2023 and 80€/MWh PCS in 2028
- Adjusting volumes to cost
- Establishment of a support device for non-injected biomethane
- Support for CNG and bio-CNG by over-depreciation of vehicles



Thank you very much for your attention

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To find out more :

Website of the French Ministry for an Ecological and Solidary Transition :

<https://www.ecologique-solidaire.gouv.fr/biogaz>



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