Reglementary developments about biogas

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RES support mechanisms for each sector

**Electricity**
- Feed-in-tariffs
- Feed-in-premiums (new)
- Tendering schemes

**Heating and cooling**
- Heat Fund through regional aids or call for projects
- Energy transition tax credit
- 0% interest loan
- Energy saving certificate scheme

**Transport**
- General tax on Polluting activites
- Tax relief for biofuel (ended in 2015)
- Ecological bonus for low carbon vehicles

**Gas**
- FIT for biomethane
- Tenders (new)

Support for innovation through several calls for projects addressing different levels of maturity

**Regulatory measures** for new buildings:
- set energy efficiency standards (<50 kWh/m²/year)
- impose that 5 kWh/m²/year are produced from RES
Support mechanisms for electricity

**Small installations (<1MW):**

- Direct contracting
  - Contract with compelled operators
  - Reference price set for each eligible technology

- Feed-in-tariffs (exist since 2000s)
- Feed-in-premiums: market price + premium since 2016

**Medium to large scale installations (> 1MW except PV and small hydro):**

- Tender procedures
  - Pay-as-bid mechanism
  - Selection mainly price-based + other criteria (environmental criteria, for example)

- Feed-in-tariffs (exists since 2003)
- Feed-in-premiums since 2016

- Can be launched as long as the targets are not met
Support mechanisms

- **Tenders** are especially appropriate for renewable categories with one of the following characteristics:
  - **Information asymmetry** regarding the cost of a given technology (ex: PV)
  - **Management of conflicts** over the use of land and resources (ex: high-capacity biomass)
  - **Scarcity of available areas** (ex: offshore wind)

- **Direct contracting** is better suited for:
  - **Small-scale installations** (ex: residential PV, biogas)
  - Mature sectors for which the costs are relatively well known and stable (ex: onshore wind)
  - For sectors with numerous potential development sites and limited conflicts of use (ex: PV, onshore wind, biogas)
Regulatory developments
Energy Code (1)

- **Energy transition**
  - Law, published on August 18, 2015

- **New value of feed-in tariff for biogas (methanization)**:
  - Ministerial 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 notified to European Commission

- **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 process
  - Ministeriel order about permission to apply increases especially for smaller facilities in the rural areas on progress
Regulatory developments
Environmental Code

- **Energy transition**
  - Law, published on August 18, 2015

- **Food crops and staple crops:**
  - Ministerial decree on July 7, 2016

- **Integrated environmental compliance approval:**
  - Ordinance of the President on January 26, 2017

- **National Mobilization of Biomass Strategy:**
  - Ministerial decree on August 19, 2016
  - Strategy on progress

- **Segregation of recyclable waste at source for enterprises:**
  - Ministerial decree on March 10, 2016

- **Segregation of bio-waste at source for everybody:**
  - On progress
Agricultural methanization

- **Definition**:  
  - Over 50% of agricultural biowaste methanized (L.311.11-1 of rural code)  
  - Over 50% of capital held by farmers (D.311-18 of rural code)

- **Energy Methanization Nitrogen Autonomy plan (2013)**:  
  - Producing organic fertiliser through the process of methanization  
  - Producing biogas derived from methanization for energy

- **The principal objectives are**:  
  - to develop a French model of small agricultural methane units  
  - to get 1 000 agricultural methane units by 2020 (90 in France in 2012)

- **Support mechanisms for electricity**:  
  - Premium if methanization livestock manure in farms

- **Agricultural digestates considered as fertilisers**:  
  - Ministeriel order on June 13, 2017 about digestates
Tools

- National Biogaz Committee
  advisory committee, 2 meetings on March 24, 2015 and September 13, 2016

- Wind, solar (PV), biogas scoreboard
  In 2017, four out of five facilities are small units, less than 500 kW
  

- Agricultural methanization units in France (ADEME)
  
  http://carto.sinoe.org/carto/methanisation/flash/?
Thank you very much for your attention

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To find out more :

Ministry for the Ecological and Intrusive Transition website :

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