

## 2012 FP7 Energy Calls

The tables below summarise the content of the 2012 FP7 Energy Calls for Proposals that were launched on 20<sup>th</sup> July 2011. The Call documentation can be accessed at <http://ec.europa.eu/research/participants/portal/page/cooperation#energy>

The Energie Helpline UK is a free, Government-funded service that aims to ensure that UK companies, research institutions and other organisations are well informed and have every chance of success in applying for and securing European funding for energy-related projects. Please contact the Helpline if you have any queries on the information provided below.

### Energie Helpline UK

Tel 0161 874 3636  
 Email [energie@enviros.com](mailto:energie@enviros.com)  
 Website [www.energiehelpline.co.uk](http://www.energiehelpline.co.uk)

### FP7-ENERGY-2012-1 (DG-RTD)

<b>Deadline</b>	25th October 2011	
<b>Budget</b>	141M€	
<b>Evaluation procedure</b>	Two-step procedure (Collaborative projects) and single step procedure (Coordination and support actions)	
<b>Call topics</b>	<b>Indicative budget</b>	
<b>Collaborative projects</b>		
<b>PV</b> Area Energy.2.1.1 Reliable, cost-effective, highly performing PV systems (up to 2 projects)	19M€	
<b>Concentrated solar power</b> Area Energy.2.5.1 Research, development and testing of solar dish systems (up to 2 projects) Area Energy.2.5.2 Hybridisation of CSP with other energy sources (up to 1 project)		
<b>Wind</b> Area Energy.2.3.1 Innovative wind conversion systems (10-20MW) for offshore applications		
<b>Cross cutting issues</b> Area Energy.2.9.1 Power generation in the low temperature range (up to 2 projects)	17M€	
<b>Biofuels from Microalgae or Macroalgae</b> Area Energy.3.2.1 Biofuels from microalgae or macroalgae (up to 2 projects)		
<b>Low/Medium Temperature Solar Thermal Energy</b> Area Energy.4.1.1 Research and development for medium temperature range solar collectors (100°-250°C)		
<b>Efficient Energy Use in the Manufacturing Industry and Building Sector</b> Area Energy.8.1.1 Next generation heat pump technologies (up to 2 projects)		
<b>Development and Testing of Advanced Sustainable Bio-Based Fuels for Air Transport</b> Area Energy.3.2.2 Development and testing of advanced sustainable bio-based fuels for air transport (up to 1 project)	10M€	

<b>CO<sub>2</sub> Capture And Storage Technologies For Zero Emission Power Generation</b> Area Energy.5.2.1 Sizeable pilot tests for CO <sub>2</sub> geological storage (up to 2 projects) Area Energy.5.2.2: Impact of the quality of CO <sub>2</sub> on transport and storage behaviour	21.5M€
<b>Smart energy networks</b> Area Energy.7.1.1 Integration of variable distributed resources in electricity distribution networks Area Energy.7.1.2 Enhancing electricity networks through use of distributed intelligence Area Energy.7.1.3 Empowering smart customers to participate in active demand and electricity supply system efficiency Area Energy.7.2.1 Planning for European Electricity Highways to ensure the reliable delivery of renewable electricity and pan-European market integration Area Energy.7.3.2 Facilitating the deployment of safe stationary batteries	30.5M€
<b>Future Emerging Technologies</b> Area Energy.10.2.1: Future Emerging Technologies	24M€
<b>Coordination and support actions</b>	
Area Energy.5&6.2.1 Support to the coordination of stakeholders' activities in the field of Zero Emission Energy Production (up to 1 project) Area Energy.7.3.1 Networking of national R&D and demonstration projects on smart metering infrastructure and data processing Area Energy.7.3.3 Support to the coordination of stakeholders activities in the field of Smart Grids (up to 1 project)	3M€

## FP7-ENERGY-2012-2 (DG ENER)

<b>Deadline</b>	8 <sup>th</sup> March 2012
<b>Budget</b>	81M€
<b>Evaluation procedure</b>	Single step procedure
<b>Call topics</b>	<b>Indicative budget</b>
<b>Collaborative projects with predominantly demonstration element</b>	
<b>Renewable electricity generation</b> <b>Area Energy.2.1 PV</b> Demonstration of smart multi-functional PV modules (up to 2 projects) <b>Area Energy.2.3 Wind</b> Demonstration of innovative designs to reduce fatigue loads and improve reliability of multi-MW turbines (up to 2 projects) <b>Area Energy.2.6 Ocean</b> Demonstration of first ocean energy farms (up to 2 projects)	24M€
<b>Renewable fuel production</b> <b>Area Energy.3.2 Second Generation Fuel from Biomass</b> Pre-commercial industrial scale demonstration plant on lignocellulosic ethanol (up to 2 projects)	35M€
<b>Carbon Capture and Storage</b> <b>Area Energy.5 &amp; 6.2. Power Generation Technologies For Integrated Zero Emission Solutions</b> Pilot plant-scale demonstration of advanced post-combustion CO <sub>2</sub> capture processes with a view to integration in fossil fuel power plants Pilot plant-scale demonstration and integration of emerging and new combustion technologies	22M€

## FP7-ENERGY-SMARTCITIES-2012

<b>Deadline</b>	1 <sup>st</sup> December 2011
<b>Budget</b>	40M€
<b>Evaluation procedure</b>	Single step procedure
<b>Call topics</b>	
<b>Smart Cities and Communities</b> Energy.2012.8.8.1 Strategic sustainable planning and screening of city plans (Coordination and Support Action – Coordinating) Energy.2012.8.8.2 Large scale systems for urban area heating and/or cooling supply (Collaborative projects with predominant demonstration component)	

## FP7-2012-ENV-ICT-ENERGY-NMP-EeB (Energy Efficient Buildings PPP)

<b>Deadline</b>	1st December 2011
<b>Budget</b>	35M€ for topic in Energy Work Programme*
<b>Evaluation procedure</b>	Single step procedure
<b>Call topics</b>	
<b>EEB.ENERGY.2012.8.8.3</b> Demonstration of nearly Zero Energy Building Renovation for cities and districts (Collaborative projects)	

\*There are other Call topics in the Energy Efficient Buildings PPP that may be of interest for example:

- Concepts and solutions for improving energy efficiency of historic buildings at district level
- Interaction & integration between buildings, grids, heating & cooling networks, & energy storage & energy generation systems
- Systemic Approach for retrofitting existing buildings, including envelope upgrading, high performance lighting systems, energy-efficient HVAC systems and renewable energy generation systems
- Development and validation of new 'processes and business models' for the next generation of performance based energy-efficient buildings integrating new services
- Nanotechnology based approaches to increase the performance of HVAC systems
- Novel materials for smart windows conceived as affordable multifunctional systems offering enhanced energy control

More information will be available in the Call text for Energy Efficient Buildings.

## FCH-JU-2011-1 (Fuel Cell and Hydrogen Joint Undertaking – 4<sup>th</sup> Call for Proposals)

<b>Deadline</b>	18 <sup>th</sup> August 2011
<b>Budget</b>	109M€
<b>Evaluation procedure</b>	Single step procedure
<b>Call topics</b>	
<b>SP1-JTI-FCH.1:</b> Transportation & Refuelling Infrastructure <b>SP1-JTI-FCH.2:</b> Hydrogen Production & Distribution <b>SP1-JTI-FCH.3:</b> Stationary Power Generation & CHP <b>SP1-JTI-FCH.4:</b> Early Markets <b>SP1-JTI-FCH.5:</b> Cross-cutting Issues	

## FP7-KBBE-2012-6 (Food, Agriculture and Fisheries, and Biotechnology)

<b>Deadline</b>	15 <sup>th</sup> November 2011
<b>Budget</b>	10M€
<b>Evaluation procedure</b>	Single stage
<b>Call topics</b>	
<b>KBBE.2012.1.2.01</b> Development of new or improved logistics for lignocellulosic biomass harvest, storage and transport	