

## EPPSA INPUT PAPER

### SET-Plan – Issues Paper

#### "Strategic Targets for bioenergy and renewable fuels needed for sustainable transport solutions in the context of an Initiative for Global Leadership in Bioenergy"

EPPSA welcomes the opportunity to participate in the stakeholder consultation on the above mentioned European Commission's document and is pleased to submit the below European Power Plant Suppliers' views for your consideration.

#### 1. General comment on the document

The title of the document refers to 'sustainable transport', while its content also focuses among others on aspects related to e.g. power generation and heat and cooling. Since bioenergy and renewable fuels may have numerous applications (beyond only transport), we suggest to make the document title neutral with regard to bioenergy uses.

#### 2. Better reflect the importance of thermal power plants as enabler in the energy system

Most advanced thermal power generation technologies play a key role in integrating renewable energy sources in our energy system. As rightly mentioned in the document, thermal power generation (heat and electricity) from dispatchable bioenergy sources (mainly biomass today) has developed into a strategic asset to support the further integration of wind and solar power while compensating their intermittent nature. Thermal power plants based on Concentrated Solar Power (CSP) technologies are another example of this active integration role taken by our sector. EPPSA therefore believes that the importance of this enabling role to meet EU renewable energy and climate targets should be reinforced throughout the entire document.

#### 3. Foster flexible and efficient power generation

The growing share of intermittent renewable energy sources (wind and solar) in the energy system is calling for further development in flexible power generation. As bioenergy markets grow and additional streams become available, it is key that thermal power generation technologies using bioenergy sources (fully or partly) evolve to meet the greater flexibility and efficiency requirements of a fully integrated system. EPPSA proposes that the following target is integrated:

*Increase the flexibility and efficiency of power generation using bioenergy (e.g. biomass) as a way to ensure the stability of the energy system, supplying dispatchable and affordable energy to boost the competitiveness of the European industry, and contributing to EU's energy supply security. This can be done by:*

- *Further improving start-up/shut-down ability (the ability of thermal power plant to move within a specified time from a defined idle state to synchronous operation with a defined power output).*
- *Further reducing the minimum load at which a power generating facility can reliably/efficiently operate.*

- *Further increasing the load following capability (the rate at which a power plant can increase or decrease its output).*
- *Increasing the fuel flexibility (multi-fuel) of thermal power plants, to be able to use different energy sources and be capable of switching among them.*

In order to maximise potentials for efficiency, developing these properties in multi-fuel combined heat and power (CHP) and combined cooling, heat and power plants (CCHP) should receive a specific attention.

Europe is leading in most bioenergy-related technologies and it is of utmost importance that our technological leadership is maintained. Supporting additional research & development in advanced thermal power plant technologies will help meet the Energy Union objectives in terms of growth, job creation, competitiveness, sustainability and security of energy supply.

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**EPPSA – The European Power Plant Suppliers Association** – is the voice in Europe of companies supplying the most advanced state-of-the-art thermal power plants, their components and related services.

EPPSA members, located throughout Europe, represent a leading sector with more than 100 000 highly-skilled employees. Virtually all thermal power plants in the EU are built or equipped by EPPSA members, and provide more than 50% of Europe’s electricity.

EPPSA members provide the most advanced and innovative thermal power generation technologies in the world. For more details about our activities, visit our website: [www.eppsa.eu](http://www.eppsa.eu).

