

S2-1

Eemshaven Biomass co-combustion

Michael Schütz

**Manager, TOE-M / Mechanical Engineering,
RWE Technology International, Essen, Germany**

Paul Munster

**Manager, TOP-N, Project Manager NL
RWE Technology International, Geertruidenberg, Netherlands**

Keywords: *(Biomass, hard coal, conversion, Eemshaven)*

Abstract

End of 2016 the Dutch Ministry of economy provides RWE subsidy funding to convert the Eemshaven power plant partly into Biomass co-combustion. Up to 15 % of the hard coal will be replaced by sustained Biomass.

With this conversion, the Eemshaven power plant can significantly contribute to achieve the goals of the Dutch National Energy Agreement by co-firing biomass. The government agreed to increase the share of renewable energies in the Netherlands to 14 percent by 2020.

RWE will give a project overview with the current situation and the challenges of the project. Based on the original engineering of the boiler supplier RWE has optimized the concept including their own experience with the Amer biomass installation. All technical conversions and the detailed technical description of the selected solution will be given.

The timeline and some commercial aspects will be shown.

Strictest sustainability criteria

Incidentally, biomass in the form of wood pellets used by RWE in the Netherlands meets the strictest sustainability criteria in the world. These were agreed with several Dutch environmental organizations. Most of the pellets are from North America and the Baltics. In order to increase the stock of trees there, the Foundation Dutch Biomass Certification was founded with the help of a sustainability certification together with other energy companies and in coordination with the nature and environmental organization.