

Analyzing the Biofuel Industry in Australia

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Abstracts

Although biofuels are mainly used to replace or supplement the traditional petroleum-based transportation fuels, they can also be deployed to generate heat and electricity. Being an alternative to fossils, biofuels can be applied to existing vehicles with little or no engine modification. Although they release CO₂ when burned in internal combustion engines, they differ from fossil fuels partly because their use reduces the net emission of carbon dioxide and other gases associated with global climate change and partly because they are biodegradable.

The recent sustained increase in international oil prices has once again highlighted the potential for biofuels to contribute to transport fuel demand, particularly in countries that import the bulk of fossil fuel supplies. Global concerns about the effects of fossil fuel use on the environment, as well as recognition of the benefits of energy supply diversification also support increasing biofuels production and use.

There are currently three commercial producers of fuel ethanol in Australia, all on the East Coast. CSR's Sarina distillery and the Rocky Point distillery are located in Queensland and produce ethanol from molasses feedstock. The Manildra Group also produces fuel ethanol from waste starch and grain at a facility near Nowra, New South Wales. The combined capacity of these three producers has been estimated at less than 150 million liters per annum. A number of other prospective producers have projects at various stages of development.

Australian biofuels companies are benefiting from the increasing demand for alternative fuels as a source of energy for transportation and electrical generation. No doubt you already know that demand is being driven by a combination of factors such as climate change, high oil prices, market and government incentives or subsidies and increasing oil imports.

Federal Government support for fuel ethanol includes a voluntary industry biofuels target (encompassing ethanol, biodiesel, and other biofuels) of 350 million liters per annum by 2010, capital grants to current and prospective producers, fuel excise relief, and an effective tariff on imported ethanol until July 1, 2011.

There is a lot happening in the field of biofuels in Australia, and to capture these, Aruvian's R'search brings you the complete guide to the Australian Biofuels Industry – Analyzing the Biofuel Industry in Australia.

The report begins with an analysis of the basic know-hows one needs to be familiar with before starting on the fascinating journey of discovering the biofuels industry in Australia. The economics of biofuels, issues facing the industry, regulatory barriers as well as incentives, technologies involved, major types of biofuels, and many other topics are discussed in depth at the starting of the report.

Divided into four sections, Aruvian's report then moves on to Section 2, which analyzes the Australian Energy Industry. From looking at the energy challenges facing the country to the rising demand for energy in the country, and the renewable energy certificates act in the country, the section also takes a look at the various sectors of the energy industry such as oil, natural gas, electricity, coal, amongst others.

Section 3 is focused on the Australian Biofuels Industry. History of the industry's development through the years, the biofuel policy in Australia, position of the biofuel policy in the Australian renewable energy plan, the strategic implementation of the biofuel policy, and much more is discussed in the report.

Section 3 is also a complete analysis of the biodiesel and ethanol industry in Australia. Market overview, statistics, R&D profile, production, and end-use technologies are just some of the points focused on in the section. A comprehensive analysis is carried out on the availability of biomass for biodiesel and ethanol production and the potential use of these biomass sources in agriculture and forestry. Markets and cost analysis of the by-products of biodiesel and ethanol are something to watch out for in the report.

The economics, prices and competitiveness of biodiesel and ethanol in Australia is also touched upon, along with the benefits of biodiesel and ethanol and the barriers facing the development of biofuels in Australia.

The future of biodiesel and ethanol in terms of demand and production potential is also included.

Section 3 also profiles the leading industry players, thus concluding the report.

Grab a copy of this report and get up-to-date on A to Z of the Australian Biofuels Industry.

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