

An excellent book on the interpretation of scientific and technological innovation and energy reform

-Liquid Biofuels:from fossil to biomassReview

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Abstract: YearTenMonthDay,ismainly in China Petroleum CorporationDevelopment of Jatropha AeroBiofuels,at Capital International Airport by Air China Boeing747Flight test complete Success,Fills the air of our country's aviation biofuelswhite,Themakes an important contribution to the development of new energy sources represented by biofuels.to forPetroChina the organizer of the project,Hu Xuteng is a model of scientificinnovation with the thethe paradigm of practicalinnovation.He led the""Liquid Biofuels:from fossilsto raw materialComprehensive popularization of liquid biofuel production technology,andThedescribes the relevant policy regulations and development environment;analyzes both theSignificant progress,Facing the problems and challenges in development;both describes liquidsBiofuel Production Patterns,and think about how to speed up the development of the from a whole industry chainshow.Thepublication of this book can awaken more peers.,co-push New Energy'sDevelopment,is an excellent book to explain science and technology innovation and energy reform,whichsome ideas and ideas,believed to be bound to cause positive repercussions in academia andthe,lead the development trend of China's liquid biofuel industry.

Keywords: excellent; interpretation ;technological innovation;energy reform

1. Liquid Biofuels are a milestone in the history of energy Evolution

as described in the book,The history of human energy use,from the most ancientbiomass,Moving towards the use of biomass as human beings through modern advanced technologiesSustainable development provide important energy supplement,is a spiraling development calendargo.Liquid Biofuels as a milestone in the history of energy Evolution,its developmentis of great strategic importance to our country.One can make up for insufficient oil resources,Reduce oil external dependency,Protect Our energy security;second is liquid biological combustionmaterial usage for the implementation of our carbon emission reduction,Promote our government in international carbonthe right to speak in negotiations has a prominent meaning;Third, can promote the development of agriculture,pushThe development of agricultural industrialization and rural urbanization.recognize this historical evolutionprocedure,toevoke more peers,open up view,Promote greater social valuethedevelopment of the liquid biofuel industry has positive effects.

2. A breakthrough in the downstream new product technology of the industry chain inject vigor into the industry developmentLiquid Biofuels because of the wide source of raw materials,renewableand products with multiple-sex,unique advantages compared to fossil fuels.through technological innovation continuouslyextensionindustry chain,Developmentof avariety of high-end downstream products,Raising industry added value,can beIndustry provides strong momentum for sustainable development.except fuel ethanol,bio-woodoutside of conventional new energy products such as oil,bio-butyl alcohol,Aviation Biofuels,BiologicalDevelopment of new product technologies such as base chemicals,making upstream raw material diversificationat the same time,Downstream also presents a variety of product

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forms,application channel Three-dimensional statePotential.A detailed description of these techniques in the book,is sure to be a related field.

Technician brings inspiration.

3. The liquid biofuel industry is to realize the common development of modern agriculture and energy industryImportant ways to

China is a major energy consumer,is also a big agricultural country,How implements the currentJoint development of agriculture and energy industry,Worthy energy worker deep thinking.on the twosessions just ended,General Secretary Xi Jinping has pointed out thatthe'three rural' 'To a good,Global active,Three agricultural issues for our country this rural population accounts for more than half of theCountry,The is visible for its importance.While liquid biofuels are a sunriseindustry,Its development is a major initiative for the benefit of the great.,fundamental meaning ismake agriculture better integrated into modern economy,push on deep level"San Nong"questionsresolution.in this book,author both domestic and foreign liquid biofuel industry issuedpolicy measures for the show,and try from government,industry,Agriculture and SocietyFour levels present their respective points of focus,Reference for decision by the relevant domain manager.

4. fourGreen daqingoil FieldThe submission of the has strengthened the confidence of the peers

Energy is the most basic driving force for development and economic growth throughout the world,is a personthe base on which the class lives is.in achieving the great rejuvenation of the Chinese nation the path of China's dream,Energy will undoubtedly play a crucial role in.Implementation of energy for our countrycont.,is the largest in the energy industry"China dream",Development of liquid bio-combustionmaterial,is the implementation of this"China dream"Important ways to.four"Green daqingoil field""Assumption and construction of modern energy agriculture circular economy industrial chain;,with both strong practicality and foresight,and the society to the liquid bio-burningDevelopment confidence,Is the author in the years of solid practice based on the theoretical level of the riseChina,is the author's in-depth thinking from the perspective of scientific and technological innovation to drive energy reform,Thefully reflects the unique insights and deep details of the author in this field.

otherwise,This book is for the cycle of liquid biofuels throughout its lifecycleBorder impact assessment,industry standard,bothdomestic and foreign industrial policies have also been carriedoutdeep analysis and discussion.the entirebook is organized from contentto page,,isnotan excellent book.The publication of this book,for future liquid biofuelsThedevelopment of the will be a positive boost.

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