

## TO ENERGY DEFICIENCY DURING UNCONVENTIONAL ENERGY SOURCES

### SYSTEM CREATE NECESSITY AND FROM HIM REASONABLE USE

#### CONDITIONS

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#### Abstract

This article focuses on information on the large-scale practical tasks in the field of energy, the effectiveness of using alternative energy, and the use of renewable resources, which are becoming the priority tasks of state policy today.

**Keywords :** Alternative energy , heat electricity stations , ecological environment, traditional energy.

Experts-scientists are seriously worried about the increasing environmental problems on earth during the next forty years. The main reason for this is the excessive use of energy for the

purposes of economic development. The environment is suffering serious damage due to the harmful gases emitted from power and thermal plants using organic types of fuel, and from the increasing number of internal combustion engines. After all, the processes of temperature rise are related to gas emissions from thermal power plants that use organic types of fuel into the atmosphere. At this point, it is necessary to pay attention to another evidence. In the next forty years, more fossil fuels were extracted than in the entire history of mankind. Today, the amount of natural fuel used worldwide is 12 billion tons of oil equivalent (tne)<sup>1</sup> per year. Every year, due to production and use, the reserves of natural resources such as oil, natural gas, coal, and uranium are rapidly decreasing, causing serious concern to humanity.

It is known that the consequences of environmental disasters have a negative impact on the lifestyle of millions of people living in the Aral Sea basin. The tragedy of the island intensified the continentality of the climate, as a result of which the summer days became more dry, and the cold winter days, on the contrary, became longer. The number of days when the summer temperature exceeds 40 degrees on the island has increased.

According to experts' predictions, the air temperature in the region may increase by 1.5-3 degrees by 2035-2050. The same to the day Come , Island of the sea dry the rest 5.0 million hectares in part on the field new " Orolkum " desert appear was \_ From time to time with this on the ground storms rising , millions tons salt , dust and sand hundreds in kilometers to regions arrived is going

Economical development acceleration , development and to the environment harm does not bring democratic process to be for the world ecological clean and cheap energy to the source

need \_ This to the problem entrepreneurship with approaching technologies \_ by changing and local initiatives supporting solution reach to the goal according to

Abundant , cheap , ecological clean and strong energy from the source use present the world in front standing the most important from problems one \_ State , small business and private entrepreneurs and non-state non-profit organizations , environmental clean energy in the field traditional to research relying on oil wealth to spend decrease whole to the world benefit brings This the problem solution to do enter - country energy safety strengthens the air pollution reduces and climate to change against stands \_ In this field conducted events effect itself manage there is has been in places democratic of culture strengthening and democratic society to build such as strategic purposes own on the contrary finds \_

Well , naturally fuel reserves the world scale year after year intense respectively decreased going one at the time what to do need and how the way catch necessary ? To this question scientists and specialists « re recoverable energy from sources fruitful use time already " Enough ," the answer are giving of the world developed in countries this from the source fruitful is used . For example , Germany , England and another series countries this observation can \_ Again recoverable energy sources centralized energy from supply away those who live ( fields , steppes, shepherds , seasonal working expedition , energy delivered to give difficult has been village and neighborhoods and etc. ) for very hand will come From this except this \_ source in cities , that is population of tight in addresses hydrocarbon resources in savings , the country energy safety in providing big important have \_

Market conditions again recoverable energy from sources wide to use forced which three main reasons have :

The first is national energy safety including oil , gas , coal \_ such as useful of fossils decreased to go because of again recoverable energy sources country inside energy source is , above get up of fuels consumption reduces \_

The second is the climate change due to come output possible was danger \_ Again recoverable energy source energy the need to satisfy help to give with one at , to the atmosphere greenhouse gases release shortens . Scientists the press from the data It is known that it is a greenhouse gases that is , carbonate anhydride (SO<sub>2</sub>) gas and methane of the earth lower atmosphere layer is increasing more and more . Greenhouse of gases in the atmosphere quantity increased to go Earth in the sphere of temperature to rise take will come From the above come out , scientists of temperature rise unexpected negative consequences reason to be possible , that's it with together with this problems solve in order to belongs to measures to see need they emphasize .

The third is the market conditions to him forced doer again one reason some alternative energy of sources cost last ten year during decreased is going Alternative energy sources expenses decreased to go his work release of technology becoming perfect going with explain can \_

This is the field development with expenses more decreased goes \_  
new of the century second ten in the year ecological pure energy technologies our homes , businesses and vehicles \_ energy supply is changing . The future ten , twenty in annuals even more fundamentally changes to be because it is possible ecological pure from energy use pace and the world market is accelerating .

this regard again recoverable energy big of the market from spreading again one is a target .  
In short , evidence and prove enough and they are energy in " green " color , high level reliable

. Ecological clean energy system probability different , that's it with together , new technologies from him wide use enable is creating . Including cellulose \_ ethanol ; hydrogen fuel elements ; of atomic energy upcoming generation , photoelectric the sun battery and almost coal waste which does not emit stations the world countries economy more ecological clean alternative energy source supply again is directing .

Again recoverable energy sources from devices to use initially one until weighty Although the funds are spent , they economic in terms of himself justifies \_ Traditional fuel with working energy because of into the air coming out sulfur , nitrogen , carbon oxides long to the distance spreads . From this except , they the rain waters with added acid \_ compounds becomes and rain in the composition to the ground fall on plants , soil negative effect shows . In the environment such of acids increase as a result , heavy metals to foods and in the end that's it products through a person to the organism effect shows . In this one harm second one the damage itself with together take will come

Ecological clean has been again recoverable energy sources to the environment loss does not deliver . Saying it should be sources usually enough big has been population addresses and big industry enterprises full provide opportunity have not \_ They are edge village , neighborhood , small constructions energy with provides . In our country again recoverable ecological clean energy sources apply big to the prospect have and ecological , socio-economic is also effective .

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