

Imbalance of Energy Mix in Pakistan and Its Consequences

Outline

Thesis Statement : Being harmful to environment and human life, the imbalance of energy mix has several causes and far-reaching complicated consequences. Therefore, there shall be a balanced energy mix system which can be obtained through implementation of certain suggestions.

A- Introduction : (i) Emergence of Industrial Revolution

(ii) What is energy mix and its imbalance in Pakistan?

(iii) The causes and consequences of energy mix in Pakistan

B- An Overview on Pakistan's Energy Sector and its current Energy Mix regime

C- Causes of Energy Mix Imbalance in Pakistan ;

(a) The lack of long-term vision and proper planning

(b) Excessive use and dependency on

non-renewable resources of energy

(c) The financial constraints due to higher initial cost in transitioning towards green-technology

(d) The less use and backwardness in technological advancement

D. Harsh Consequences of Energy Mix on Pakistan ;

(a) The increasing global warming and its effects on Pakistan

(b) The surmounting pollution and environmental degradation

(c) The spread of diseases and negative impacts on human health

(d) Depletion of natural resources

(e) Gap in the demand and supply of energy leads to loadshedding

(f) Financial strain and pressure on government

(g) The harsh social and industrial ramifications

E. Way-Forward to Overcome the Imbalance of Energy Mix in Pakistan ;

(a) The prevalence of long-term vision and policies in regards to the efficient

- and balance energy mix in Pakistan
- (b) More focus be given on usage of renewable resources of energy in Pakistan
 - (c) Economic growth and environmental protection should go hand in hand
 - (d) A call for balanced and sustainable mix energy transition

F- Conclusion

The period of the world before 17th century is called as agrarian era. There were almost no demand for usage of energy. But, since the beginning of 17th century, with the inception of industrial revolution, the need and use for energy was felt immensely. Human-being, therefore, started exploration of different avenues for attaining energy. However, energy can be obtained mainly from two sources such as renewable and non-renewable resources of energy. The mix use of these two are ~~called~~ referred as energy mix. In case of Pakistan, sadly, there is an imbalance in regards of energy usage. In fact, only 30 percent (%) of energy in Pakistan is obtained from renewable resources of energy. Almost 70% of energy is acquired from non-renewable resources like fossil fuels and nuclear energy. Strong factors causing this imbalance include the lack of long-term planning, financial constraints in transitioning to green-technology, and backwardness in technological advancement. These factors and situations, however, themselves have led to harsh consequences like the increasing threat of global warming and climate change; the surrounding pollution and environmental degradation; spreading of chronic diseases;

Depleting natural resources ; increasing gap between demand and supply of energy ; and burgeoning social and industrial ramifications .

These dangerous consequences have made the situation very grim ; however , the conditions can improve by implementing certain measures which consist of prevalence of long-term vision for energy usage , more focus on use of renewable resources of energy , and a call for a balanced transition towards sustainable mix energy . Being harmful to environment and human life , the imbalance of energy mix has several causes and far-reaching complex consequences . Therefore , there shall be a balanced energy mix system which can be obtained through implementation of certain suggestions .