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Essay.

IMBALANCE OF ENERGY
MIX IN PAKISTAN AND ITS
CONSEQUENCES.

OUTLINE

1. Introduction.

Thesis statement:

The imbalance in Pakistan's energy mix, marked by a disproportionate dependence on specific sources as, overreliance on fossil fuels, improper infrastructure, imported products, engendered in far-reaching consequences, economic instability, environmental degradation, and social inequalities. These enforce Pakistan towards the transition towards a balanced and sustainable energy mix which necessitates ~~and~~ an integrated approach, encompassing policy reforms, international collaboration, shift to renewable energy, and government support.

2- Decoding the concept of energy mix.

3- Imbalance of energy mix in Pakistan.

3.1 Overreliance on fossil fuels

3.2 Insufficient renewable energy integration.

3.3 Inadequate energy infrastructure

3.4 Environmental consequences

3.5 Challenges in hydropower development

4- Consequences of imbalance in energy mix.

4.1 Economic impacts.

4.1.1 Energy price volatility

4.1.2 Trade imbalance.

4.1.3 Industrial Production.

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4.2 Environmental degradation.

4.2.1 Air pollution and climate change

4.2.2 Ecological disturbance.

4.3 Energy Security risks.

4.3.1 Dependency on imports

4.3.2 Strategic risks

4.4 Limited Sustainable development.

4.4.1 Resource depletion

4.4.2 Missed opportunities.

4.5 Health impacts.

4.5.1 Air quality and public health.

4.5.2 Environmental justice.

5- Policy recommendations

5.1 Diversification and investment in renewable energy.

5.2 Enhancement of Infrastructure and its development.

5.3 Energy efficiency measures

5.4 Government Support for Research and Development.

5.5 International Collaboration.

6- Case Study: Successful Energy mix Transformation in Costa Rica.

7- Conclusion