

## **Social Acceptance of Large-scale Renewable Energy: Socio-Economic Review**

People generally support the development of renewable energy. The community knows the importance of transitioning from fossil energy to green and clean energy to reduce air pollution and world climate change. However, green energy projects sometimes face challenges from the community, and some projects cannot even begin operations. Social phenomena or social acceptability must be understood by all parties (stakeholders), such as policymakers, developers, and community leaders. By understanding the social acceptability factors, the acceleration to renewable energy transition can be carried out more quickly and sustainably.

### **Abstract**

Renewable energy is critical for the energy transition from fossil fuels to clean energy in response to global concerns about climate change. However, largescale renewable energy projects promoting green and clean energy sometimes face objections from the public and residents. Movements such as Not in My Backyard (NIMB) and other public objections have attracted research related to the development of renewable energy projects. Social Acceptance or public support is one of the key factors in implementing any energy project development for the project to run sustainably. Public support is a significant factor, especially if the energy project is proposed in a location that impacts residents, the environment, and aesthetics. This literature review explored trends and factors that trigger social acceptance of renewable energy projects in countries with different socioeconomic factors, such as what social accessibility factors influence in emerging or developing countries. The method of this review is referred to the conceptual framework called the triangle of social acceptance of renewable energy innovation formulated by Wüstenhagen, et al. (2007). The findings will contribute towards a better understanding of social acceptability indicators for policymakers, developers, and consultants resulting in the acceleration of implementation and running of renewable energy projects.