Your Name

Instructor Name

Course Number

Date

Discussion

Today, governments in many countries are keen to explore and implement different forms of renewable energy to successfully deal with the issue of power shortage. The active application of renewable energy can be observed in many different forms. The broad idea of renewable sources, identified as the approach of energy that is attained from resources, which are naturally reloaded considering a human timescale. The city of Tallahassee is one prominent example that committed to developing 100 percent clean renewable energy (SIERRA Club). The central focus is to critically examine the potential advantages and disadvantages of the practice of 100% renewable energy and determine different phases of its specific plan.

The practical idea of 100% renewable energy comprises of different advantages and disadvantages that need to be considered before implementing this approach. One of the major advantages of 100% renewable energy is that there is no chance of limited availability of this form of energy. Renewable energy sources come from nature, so it always available. Another benefit is that it has the capacity to save the environment from any form of pollution (Mathiesen et al.). The higher upfront cost is a critical drawback that exists in the scenario of renewable energy sources. Stakeholders must invest a huge amount of money on new technologies to get benefits from renewable energy.

The entire plan of 100% renewable energy for Miami is comprised of different project phases under the spectrum of the lifecycle approach. Different stages of practical plan help to successfully execute both the domains of phase-in and phase-out spectrums of renewable energy. The stages of the entire plan are mainly characterized by the paradigms of feasibility, development, pre-construction, construction, operations, and the practice of re-powering. The entire procedure of developing renewable energy sources plan for Miami can be successfully completed within the time-frame of 12 to 15 years.

**Works Cited:**

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