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THE BRIEF REVIEW ON THE USE OF NUCLEAR METHODS

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ABSTRACT

Humanity must accept the reality that it cannot depend on coal, gas, and oil for most of its energy requirements indefinitely. Many energy breakthroughs may be considered in the ultimate process of removing fossil fuels, and the majority of them can be utilized in specific applications. In the long run, however, we believe that nuclear fission technology is the only developed energy source capable of supplying the vast amounts of energy needed to run modern industrial economies efficiently, effectively, reliably, and sustainably, both in terms of the atmosphere and the available resource base. In many cases, the alternative—dedicated energy storage for grid-connected intermittent energy sources (as opposed to backup)—is not yet economically viable. However, in geographically isolated locations without access to a large electrical grid, unstable sources combined with storage may be cost-effective for local energy delivery. Nonetheless, for the bulk of fossil fuel displacements this century, nuclear fission energy will be needed.

KEYWORDS: *Carbon Dioxide, Fission, Fossil Fuels, Nuclear, Renewable.*

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