



CONCEPT MODEL TO INCREASE PUBLIC PARTICIPATION FOR GREEN ENERGY GENERATION

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ABSTRACT

This paper describes a concept model that increases participation of the general public, enterprise and other entities for green energy generation. In this model any consumer of electrical energy, any individual, group or organization (Investor) interested in participating in this initiative could make an investment and purchase share(s) for generating energy. The utility company would honor this contribution through a company (Facilitator) who undertakes the responsibility to generate the said amount of energy and feed the national grid/utility grid. Once the power generation facility is commissioned, the investor could be considered as an active generator of electrical energy. The utility company could now honor the participation of the consumer / investor by providing net metering facility to the utility account of the investor or purchase energy based on agreed rates.

Using this method any consumer could get the benefit of net metering on a fixed generation capacity for an agreed period while a power generation company takes the responsibility to supply the grid with the said amount of energy. The power generation can happen on a clustered or unified manner, avoiding hosting of micro level generation facilities within the Investor's premises which could be non-optimal.

This business model enables residents of apartments, tenants (occupants on rent), and commercial entities, Non-Governmental Organization, places of worship or technically any individual or organization to be active contributors for green energy generation.

Keywords: Green energy generation, Increase public participation, Concept Model, Net Metering, Micro Power Generation