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### Optimisation of Hybrid Energy System in Kumbakonam using Homer

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**Abstract :** As days passing the amount of energy required is increasing rapidly due which the fossile fuels are deploying highly in order to reduce the usage of that we can use hybrid system which provides an alternative way to that, due to high capital cost most of them are not preferred to use this but this will serve more benefits than the conventional one. This paper presents the optimal economic solution for hybrid system. Here we use HOMER to serve this problem.

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