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Turning homes into power stations could cut household fuel bills by more than 60 percent: report

In today's world, there are many different ways that electricity can be produced, but having homes and businesses generate their own power through solar panels could be beneficial to both people and the environment. This concept of putting solar panels on roofs and storing extra electricity in batteries is not new. However, a new housing development created by the British housing association, Pobl Group, combines the electricity production with hot water production by using solar heat to heat the water. Any waste heat from the production will also be reused inside the building. Combining these concepts could reduce electricity bills by over sixty percent, and if one million homes adopt these developments, less stress could be placed on the power grid, and carbon dioxide emissions could reduce by eighty million tons in forty years. The UK government have showed their support for this project by investing in these housing developments in addition to promising to make storing electricity in batteries to be easier. If all goes well, the UK could have a future filled with cleaner and cheaper energy than today.

Source: <https://phys.org/news/2017-08-homes-power-stations-household-fuel.html>