

## Energy Conservation Day - Energy Efficient Homes

### What is the issue?

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- The World Energy Conservation Day is being celebrated every year on December 14 since 1991.

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- In this context, it is imperative to look at some simple citizen-oriented measures towards energy conservation.

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### How is the consumption scenario?

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- The global population stands at 7.2 billion and is growing, posing threat to world's depleting natural resources.

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- Global Footprint Network's 2018 report notes that people are consuming resources 1.7 times faster than what Earth's ecosystems can regenerate.

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- One of the key reasons for this is over-consumption and wastage of energy.

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- All these demand some simple yet effective steps to correct course for ensuring a greener, safer planet for future generations.

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### What could the possible steps be?

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- Conscious use of electrical and electronic appliances, lights and fans would go a long way in saving energy.

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- **Energy-efficient** technologies consuming less energy and having a net zero

impact on environment should increasingly be adopted.

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- As citizens, a key step would be to adopt more energy efficient sources of lighting such as LED lights which save up to 70% energy.

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- Energy efficient lighting products in India are projected to grow at a CAGR (compound annual growth rate) of 24.66%, in value terms between 2016 and 2022.

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- It is also expected to reach \$3,759 million by 2022.

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- **Smart technology** - Investing in Internet of Things (IoT) and connected devices can also work at this end.

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- Some of these include voice-controlled smart home products that are Wi-Fi enabled - smart switches, door bells, sensors, cameras, lights, etc.

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- Smart appliances that interact with each other and share information using IoT can significantly reduce energy wastage and reduce costs.

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- The Indian smart home market is expected to grow at an annual CAGR of 51.8% between 2018 and 2023.

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- The Government of India (GOI) too has introduced a slew of schemes in the recent past to inculcate energy saving habits.

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- These include promotion of energy efficient lighting products on urban and rural streets, government buildings, parks and other public places.

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**Source: Financial Express**

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