

Coimbatore

India



A low-carbon leader in renewable energy



Urban-LEDS Satellite City of Coimbatore

Coimbatore is moving towards a low-carbon economy by integrating innovative technological solutions into municipal level activities. Some of the projects that the local government has already implemented include:

- **Scaling up renewable energy (RE)** through the installation of solar photovoltaic (PV) panels and LED lighting in municipal buildings and offices. This includes the installation of a 3.5kWp capacity wind-solar hybrid RE system at the new Coimbatore bus terminal, and solar powered street lighting with automatic dimming during off-peak hours.
- **Community-centered RE deployment** is being realized via solar water heater (SWH) systems requirements across the residential, commercial and institutional sectors, solar-powered cook stoves in schools, along with the development of a local renewable energy model network project for communities during off-peak hours.
- **Resource-efficient dining** via the installation of 6 KW solar energy systems and bio-gas plants in the municipality's AMMA restaurants, along with the adoption of the SUNYA – Towards Zero Waste Management policy, are sure to take the city a step further in the realization of low-carbon goals during off-peak hours.

Lessons learned and replication

The interventions outlined by Coimbatore City Council have contributed to the achievement of energy reductions, while learning the following lessons:

- **Awareness programs inspire local residents to replicate these energy efficient measures in their own homes.** As such, the City now hopes that the heightened awareness about energy efficiency and renewable energy will allow it to set even higher emissions reduction targets.
- **The vertical integration of urban climate guidelines and clean technologies at the state and city level has benefitted both parties, along with the planet.**

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