Air-conditioners in Delhi homes drive up power demand: CSE

OUR BUREAU





Homes in Capital consume three times more power than rest of the country

NEW DELHI, JUNE 12

The need for cooling Delhi homes has driven up the night-time peak demand to record levels. The starkest evidence of the powerful impact of residential use of ACs on electricity demand is the higher night-time peak demand compared to the afternoons, according to the Centre for Science and Environment.

A CSE statement said, "This summer, on several days, demand has peaked during the night – recording higher levels than the day-time demand. This has happened even when all commercial uses, including offices, retail and education institutions are closed at night."

The impact of residential demand for electricity is so substantial that the average electricity demand on weekends is just 4 per cent lower than the demand on weekdays. This slight difference is caused mostly by an about 8 per cent drop in demand during the day time, while the night demand remains the same. In the early 2010s, day peaks during the weekend used to be higher than the night peaks; but last year, almost 95 per cent of the weekend night peak was higher, the CSE said.

According to the CSE, electricity consumption in Delhi has grown by almost 42 per cent between 2006-2007 and 2017-2018. Peak demand has grown by staggering 64 per cent between 2006-2007 and 2017-2018. On average, an electrified household in Delhi consumed about 260 kiloWatt-hour (kWh) of electricity monthly in 2016-2017, which is almost three times the national figure of 90 kWh. This is similar to the electricity consumption of an average German household.

Pointing out the faults on the policy front, CSE said, "Energy efficiency standards for ACs lag behind global best practices: Between 2013 and 2018, India produced over 26.5 million AC units, of which about 60 per cent were 3-star. A recently released report, 'The Future of Cooling' by the International Energy Agency, notes that when it comes to energy efficiency of ACs, India has the worst market average of measure of energy efficiency compared to major economies such as the US, Europe, Canada, China, Japan, Korea, and Singapore."

During May, for as many as 21 days, late night peak demand has been higher -- up from 14 days in 2016. A typical summer day in Delhi has two peaks, one during the day (driven by commercial activities) and the other around midnight (driven by residential sector). On average, these two peaks have become almost identical now. The average day peak during May 1-May 31, 2018, was 5,280 MW daily during the afternoon (between 3.00-4.00 pm); the average daily night peak was 5,256 MW (11.00 pm-midnight) – a small difference of merely 0.5 per cent.

Published on June 12, 2018

TOPICS energy and resource **RELATED** >

> AC makers expect high double digit jump in sales this year

Air conditioner makers, including Voltas, Daikin and Panasonic, are ...

Previous Story

Polavaram project will be completed by December 2019: AP CM

Next Story

Gujarat to be nation's first state to become fully CGDnetworked

Get more of your favourite news delivered to your inbox

Email

Subscribe

Air France

Promoted Content



Do This Before Bed To Regrow Your Hair All Night Long fitandhealth.life



Recommended by

Royal Wedding: Surprising Facts About Meghan Markle Work+Money



Fancy a trip? Enjoy South

America's most beautiful cities!

Best Ayurvedic Product for Hair Loss . Check the Proven Results ! healthyayurveda.org



The World's Most Beautiful Waterfalls to Visit [PHOTOS] Far and Wide



All New Honda Amaze with DigiPad 2.0 & Intelligent Dashboard hondacarindia.com

More From The Hindu Business Line



Centre may add some real estate to sweeten Al sale



'Clean, green' coal mines attract lakhs of tourists in Maharashtra



Top bankers welcome move



Vedanta tanks to 11-month low



Atal Pension Yojana: Govt mulls hiking pension limit to up to Rs 10,000/month



To combat online crimes, govt to launch more cyber-security labs

MORE FROM BUSINESSLINE

Craftsman Automation files IPO papers with SEBI



Auto component maker Craftsman Automation has filed draft papers with the Securities and Exchange Board of India for its initial public offering (IPO). As per the draft red herring prospectus filed wit

New evaluation system introduced for college teachers



HRD Ministry scraps API appraisal system

Centre clears ₹24,000-cr FDI plan for HDFC Bank



Lender's composite foreign shareholding can go up to 74%

0 comments	♥ Recommend 0
Write a comment	
	1000
	Name
or	Email
	☐ I agree with Vuukle's Privacy Policy

PUSI

TALK OF THE TOWN 🖒

4 comments

Tyres of Indian economy are punctured: Chidambaram
13 comments

Deschooling India
6 comments

Cabinet clears ₹7,000-cr bailout package for sugar industry
6 comments

Syndicate Bank case: CBI chargesheets AC Muthiah, Farouk

Show more articles

Irani,...

3 comments





- 1. Comments will be moderated by The Hindu Business Line editorial team.
- 2. Comments that are abusive, personal, incendiary or irrelevant cannot be published.
- 3. Please write complete sentences. Do not type comments in all capital letters, or in all lower case letters, or using abbreviated text. (example: u cannot substitute for you, d is not 'the', n is not 'and').
- 4. We may remove hyperlinks within comments.
- 5. Please use a genuine email ID and provide your name, to avoid rejection.