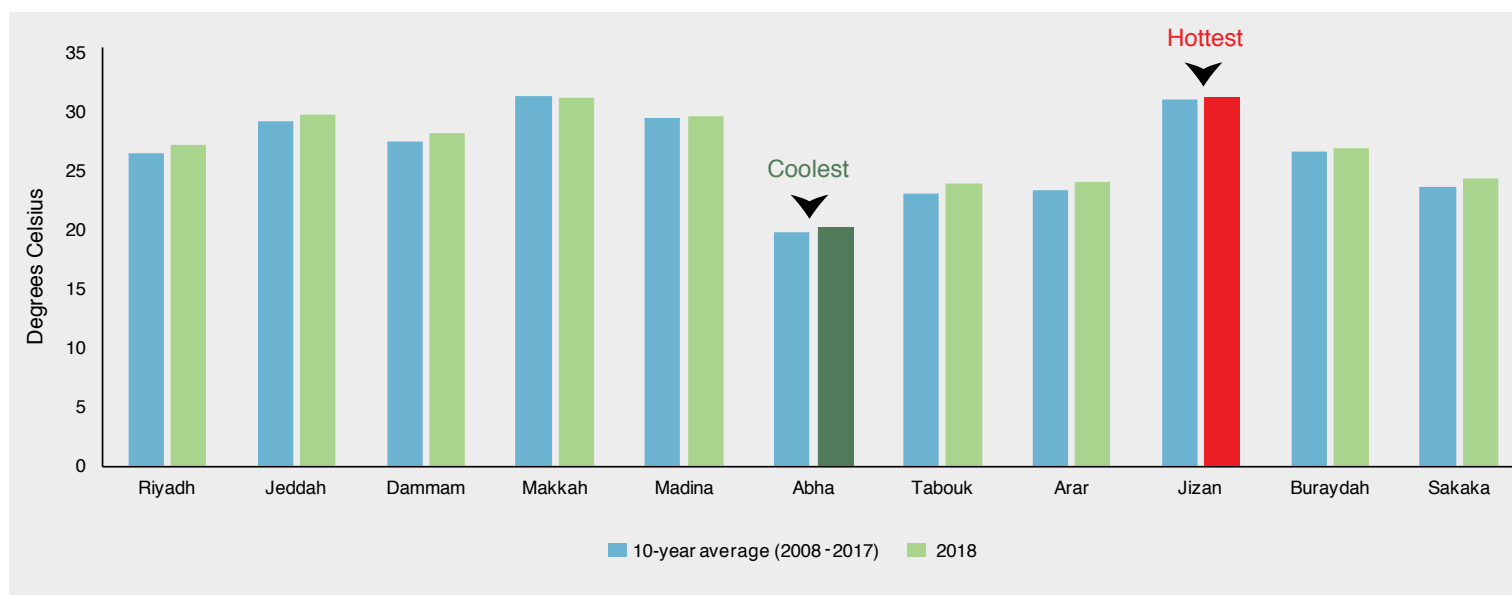


Data Insight

15/09/2019

Temperature Trends Across Cities in Saudi Arabia



Key insights:

KAPSARC examined temperature data for 11 cities spread across Saudi Arabia over 10 years. Except for Makkah, all cities in Saudi Arabia were warmer in 2018 compared with the national 10-year average.

- The average temperature across all cities in 2018 was 26.9 degrees Celsius (C), 0.4 C higher than the 10-year average of 26.5 C.
- The average summer temperature in the 11 cities in 2018 was 33.4 C, 0.16 C higher than their 10-year average.
- In the sample cities studied, the coolest city in Saudi Arabia in 2018 was the southern city of Abha (20.2 C) with its dense juniper forests.
- The warmest city was the port city of Jizan (31.2 C) in the southwestern part of the country.
- From 2008-2018, the temperature in Saudi Arabia varied from minus 7 C in winter (Arar) to 51 C in summer (Makkah and Jeddah).

- The average temperature of the 11 cities during the 2018 winter was 19.3 C, 0.41 C higher than their 10-year average for this period.
- There were more hours in 2018 when the hourly temperature was between 30 C and 40 C than in 2008.

The trend toward Saudi Arabia becoming warmer has important implications for future electricity demand. All other things being equal, the increases in temperature will bolster the demand for cooling, which will increase the country's demand for electricity.

Sources: AccuWeather.

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