

New York City Building momentum

City data report 2021

OVERVIEW

New York City has significant challenges ahead as it strives for its 2050 net-zero target, but strong leadership and enacted legislation are influencing action.

DIGITALIZATION READINESS

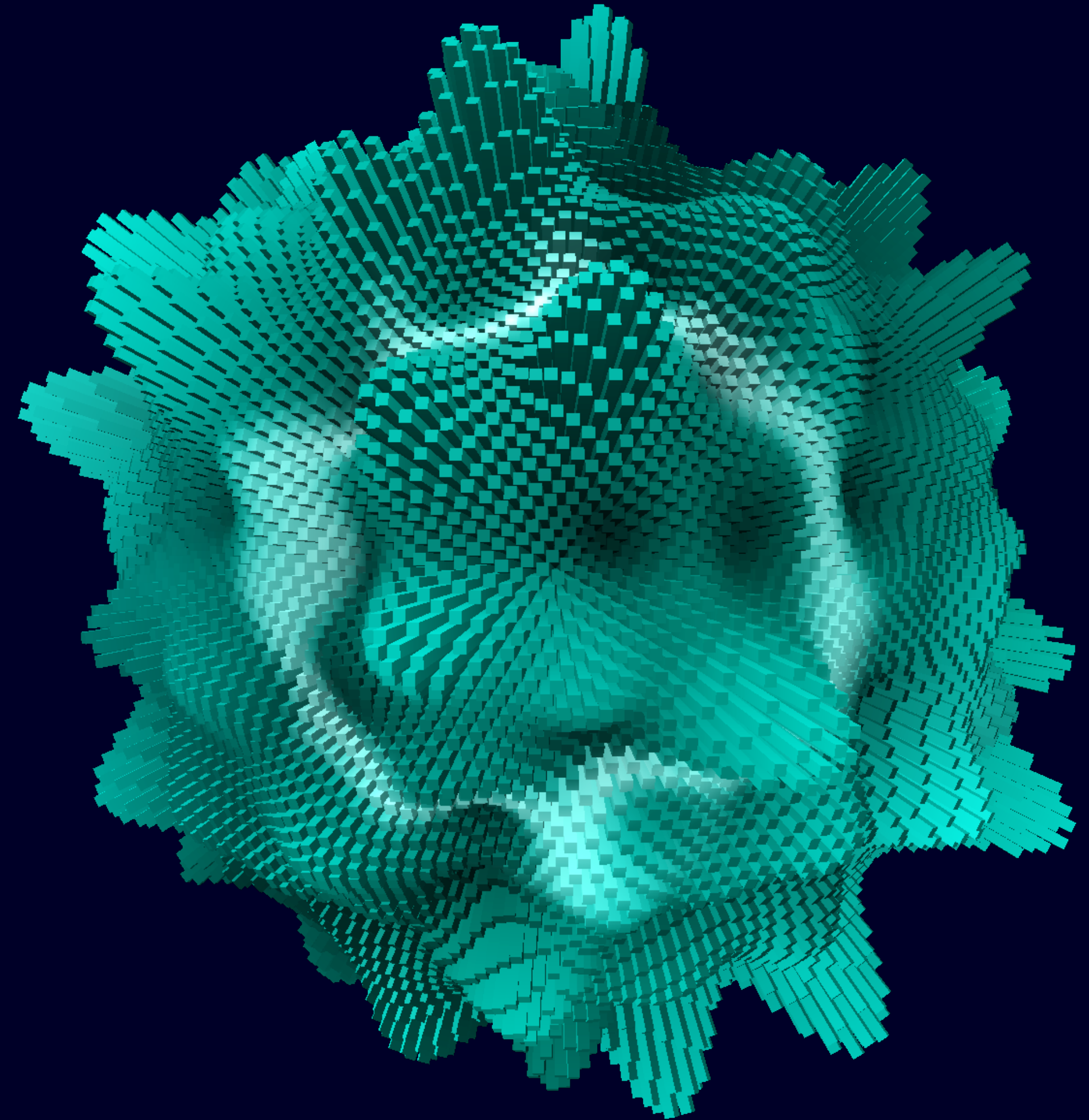
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Smart technology is being rolled out across the city to improve services, including essential upgrades to the aging subway system.

DIGITALIZATION POTENTIAL

3/10

Digitalization is an essential pillar of a greener and healthier future, yet New York is also paying close attention to protecting the digital rights of citizens.

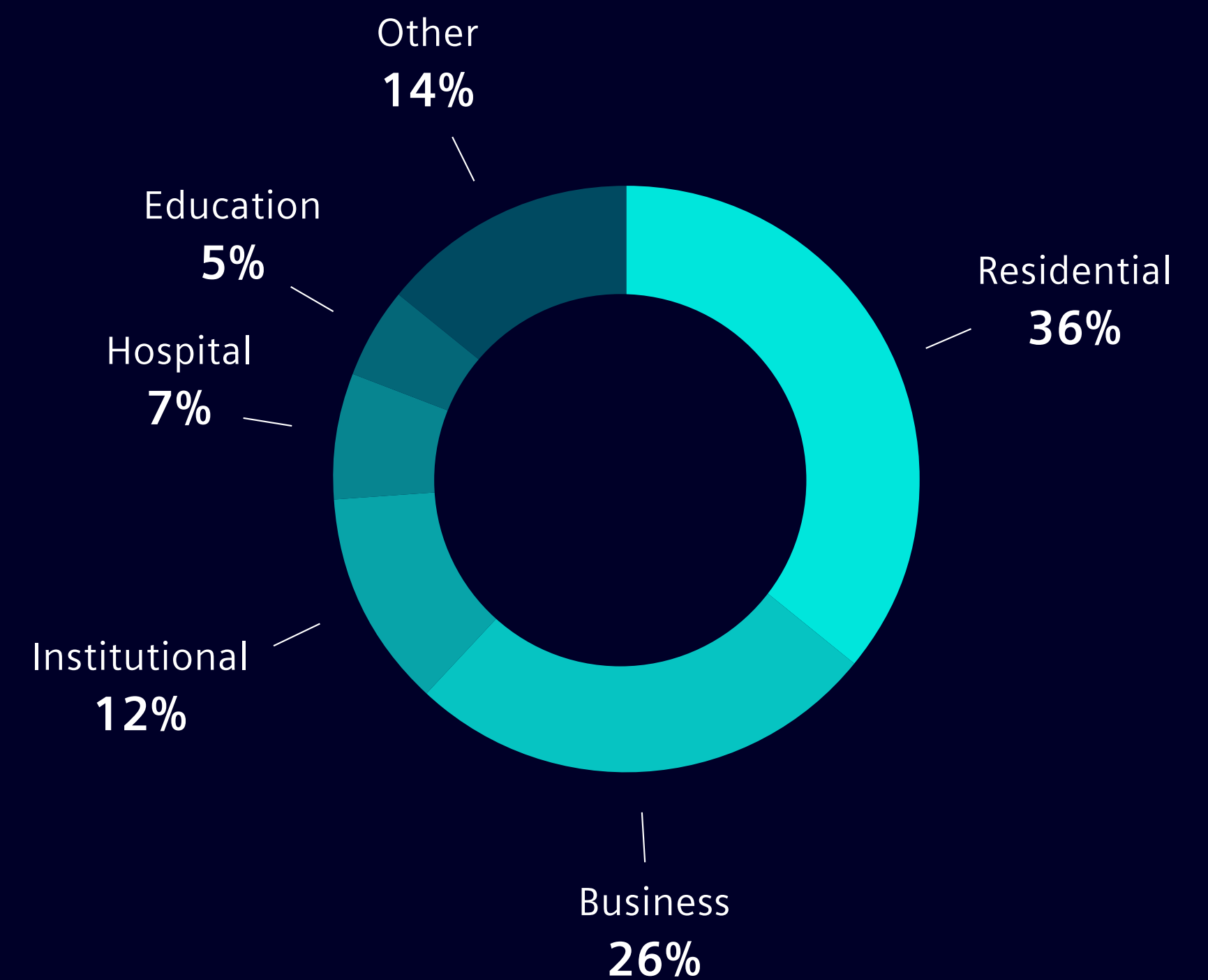


SUSTAINABILITY

Carbon-neutral buildings

New York City's signature asset is its many buildings, which account for 71% of emissions. This makes them the highest value target in the battle for net zero. A wide range of decarbonization initiatives have already begun, including 'deep energy retrofits' of key buildings such as Brooklyn Museum and the NYPD Building Maintenance Facility. These retrofits include a range of features to reduce energy use and carbon emissions, including capitalizing on the latest **smart building solutions**.

Share of greenhouse gas emissions by use



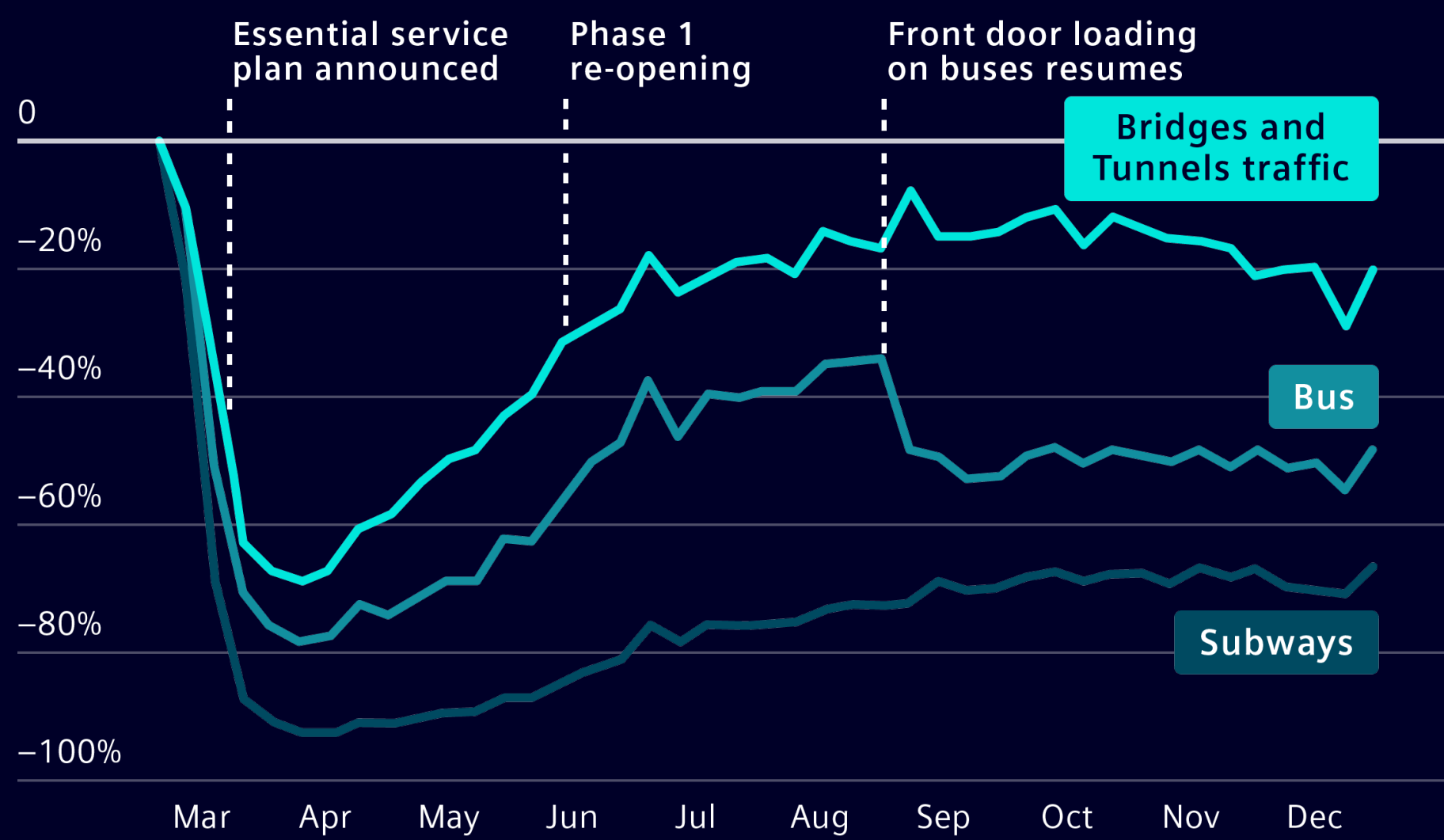
Source: **New York City Council**

MOBILITY

Saving the subway

Two years after the infamous ‘summer of hell’ in 2017, when sweltering subway passengers suffered train breakdowns, derailments, and only 65% of weekday services running on time, New York State has invested more than \$40 billion into the subway system. This is part of the Metropolitan Transportation Authority’s \$54.8 billion **investment plan** for 2020 to 2024, which also covers buses and other forms of public transport.

Impact of pandemic on daily ridership and traffic, 7-day average



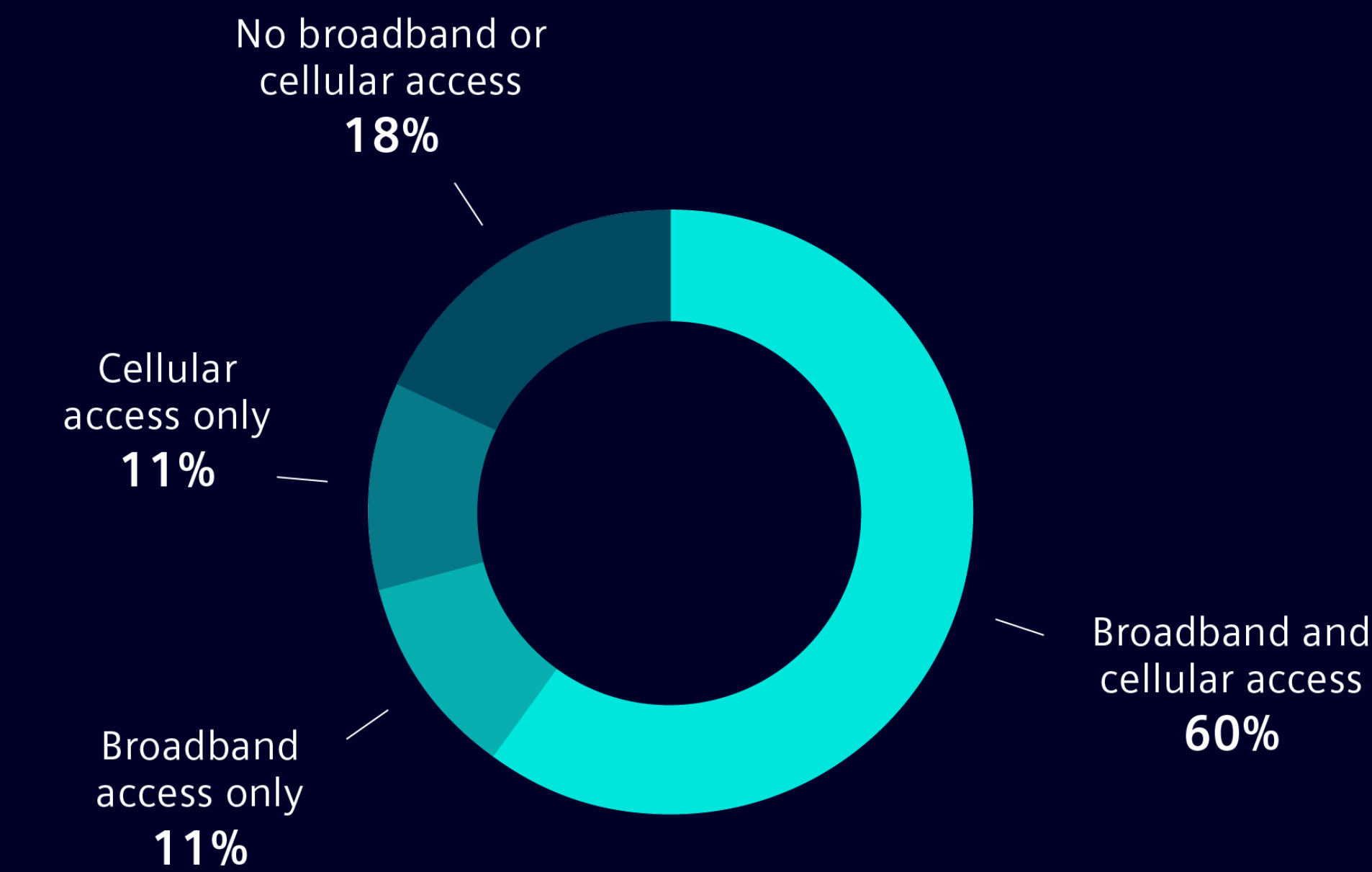
Source: Gothamist

OPPORTUNITY

Equality indicators

Citizen equality is tracked in the annual Social Indicators and Equity Report from **EquityNYC**. The report explores economic, social, environmental, and physical health across race/ethnicity, gender, location, and income. Broadband access is considered a key indicator, and there are many initiatives to make broadband more accessible and affordable for every New Yorker through the **Internet Master Plan**.

Households in NYC with broadband and cellular access



Source: **Mayor's Office of the Chief Technology Officer**

THE ATLAS OF DIGITALIZATION



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