

Site water stress assessment

We have developed a standard methodology to assess water risk at every site. Based on the WRI Aqueduct tool, it has enabled us to broaden our understanding of our water-related risks and identify priorities for investment. We prioritise implementing water-efficiency projects, identified through audits, in water-stressed areas.

Sites*

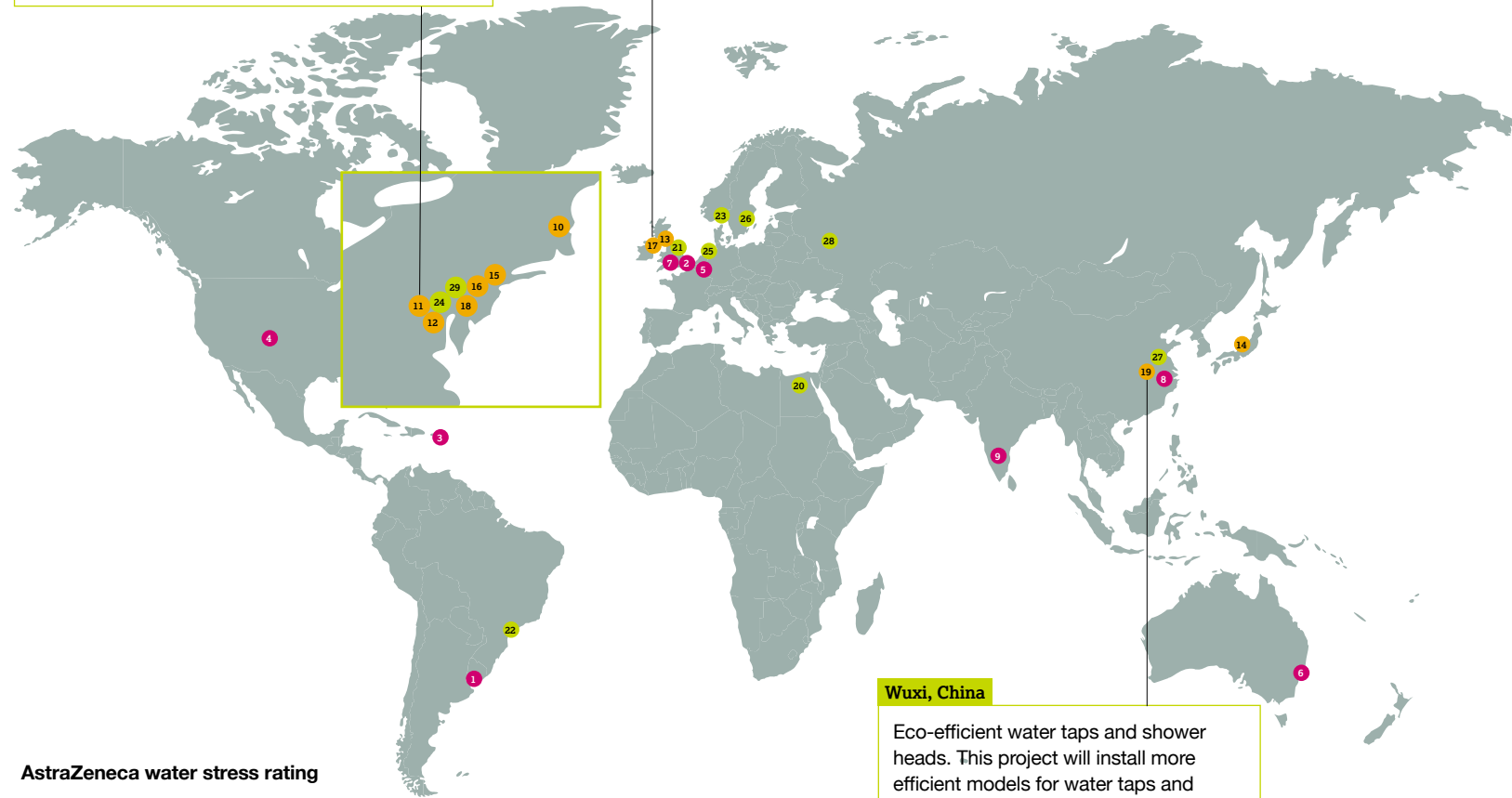
- 1 Buenos Aires, Argentina
- 2 Cambridge, United Kingdom
- 3 Canóvanas, Puerto Rico
- 4 Colorado, United States
- 5 Dunkirk, France
- 6 North Ryde, Australia
- 7 Luton, United Kingdom
- 8 Shanghai Zhangjiang, China
- 9 Yelahanka Bangalore, India
- 10 Boston, United States
- 11 Frederick, United States
- 12 Gaithersburg, United States
- 13 Macclesfield, United Kingdom
- 14 Maihara, Japan
- 15 Newark, United States
- 16 Philadelphia, United States
- 17 Speke, United Kingdom
- 18 Wilmington, United States
- 19 Wuxi, China
- 20 6th of October City, Egypt
- 21 Alderley Park, United Kingdom
- 22 Cotia-São Paulo, Brazil
- 23 Gothenburg, Sweden
- 24 Mount Vernon, United States
- 25 Nijmegen, Netherlands
- 26 Södertälje, Sweden
- 27 Taizhou, China
- 28 Vorsino, Russia
- 29 West Chester, United States

Frederick, Maryland, USA

Modifications to Clean-In-Place (CIP) equipment and process automation. CIP is a method of cleaning the inside of pipes, vessels, and filters without having to take the equipment apart. Improvements are focused on reducing rinse timers and recycling rinse water. As the water used in CIP is highly purified, the reduction in water consumption will also result in significant energy savings, equivalent to 1,600MWh – enough to power 130 homes in the US for a year.

Speke, UK

A clean steam generator uses purified water to generate steam for cleaning. The project involved installing a closed loop system to cool the clean steam generator, replacing the previous once-through cooling system. It will divert 6,400m³ of water a year from the drain and reduce the site's water consumption by 25%.



* Sites evaluated for water stress use over 10,000m³ of water per year

Wuxi, China

Eco-efficient water taps and shower heads. This project will install more efficient models for water taps and shower heads. These modifications will divert 8,600m³ from being used each year and reduce the site's water consumption by 6.5%.