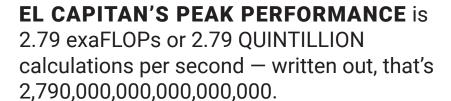


#### EL CAPITAN FUN FACTS



**IF YOU WENT BACK IN TIME** 2.7 quintillion seconds, you'd arrive over 70 billion years before the Big Bang.

IF EVERY ONE OF THE WORLD'S 8
BILLION PEOPLE WORKED ON A
CALCULATION, every second of every day, around the clock, it would take 8 years to do what El Capitan can do in one second.

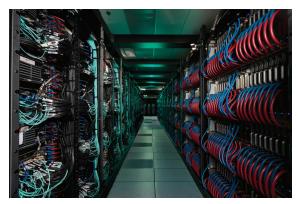
THE PROCESSING POWER of El Capitan is equal to one million of today's fastest smartphones working on a calculation simultaneously. If you stacked all those smartphones, it would create a tower more than 5 miles high.

### EL CAPITAN'S 87 COMPUTE RACKS, FILE SYSTEM AND INFRASTRUCTURE

weigh 1.3 million pounds, as much as 4 blue whales or about 100 African elephants.

















## EL CAPITAN REQUIRED THE INSTALLATION OF 32 MILES OF POWER/ELECTRICAL

**CABLES.** Laid end-to-end, they would stretch from the Livermore Computing Center to downtown Oakland (as the crow flies).

#### FULLY LIQUID-COOLED, El

Capitan requires circulating from 5 to 9 million gallons of water — between 8 and 14 Olympic-size swimming pools worth—every 24-hours of operation.

THE COOLING TOWERS needed to support El Capitan and future exascale computers can provide 28,000 tons of cooling, the equivalent to 9,300 home air-conditioning units.

# THE MACHINE'S ELECTRICAL AND COOLING INFRASTRUCTURE took 28,000 construction person-hours to build, roughly about the time it would take for a crew of 20 to build three average-size homes.

