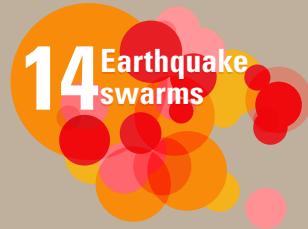
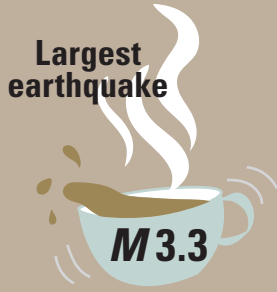


Yellowstone Volcano Observatory

2024 By the Numbers

Located Earthquakes



Ground Deformation

1 to 2 inches

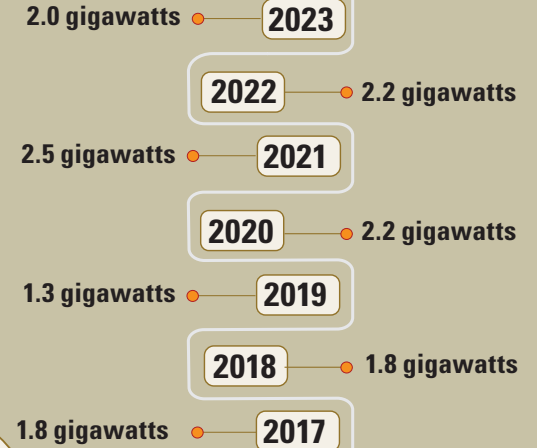
Trend from the past 9 years continues

Thermal Emissions

(measured via satellite thermal infrared data)



2.1 Gigawatts



Hydrothermal Activity



6 Major water eruptions of Steamboat Geyser

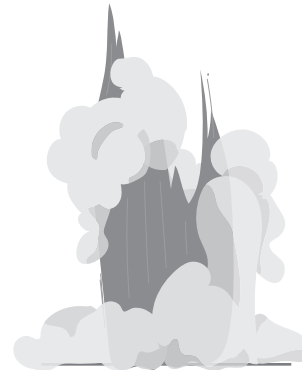
lowest since 2018

3 Notable events

Economic Geyser erupts for first time since 1999

Abyss Pool temperature increases

New steam vent observed near Nymph Lake



2 Hydrothermal explosions

Black Diamond Pool July 23, 2024
Rock, mud, water explosion reaches 400 to 600 feet (120 to 180 meters)
Lasts ~1 minute

Porcelain Basin April 15, 2024
Leaves crater 10 feet (3 meters) across
"Heard" by infrasound sensor



<https://doi.org/10.3133/cir1566>

