

How much rain 🌧️
can you harvest in
Los Angeles?

Could it help prevent
🔥 wildfire damage?

Let's look at the last 30 years of data for Los Angeles to see what the driest and wettest years were. We might be surprised by what we find.

Most homes, even in arid environments, do not put their rainwater to productive use. They let it run off the property, straight out to the ocean.

Now that large tracks of Los Angeles need to be rebuilt, there is an opportunity to integrate **rainwater harvesting** into the design of these new homes.

The driest year in L.A. in
the last 30 years was:



114.55 mm

(4.5 inches) in 2013

The wettest year in L.A. in
the last 30 years was:



701.8 mm

(27.6 inches) in 2023

This translates to:

10,305 litres

(2,712 gallons) of harvest /
1000 sq. feet of roof in
the driest year

63,990 litres

(16,839 gallons) of
harvest / 1000 sq. feet of
roof in the wettest year

The average home size in L.A. is:



3,296 sq. feet

This translates to:

329,76 litres

(8,677 gallons) in the
driest year

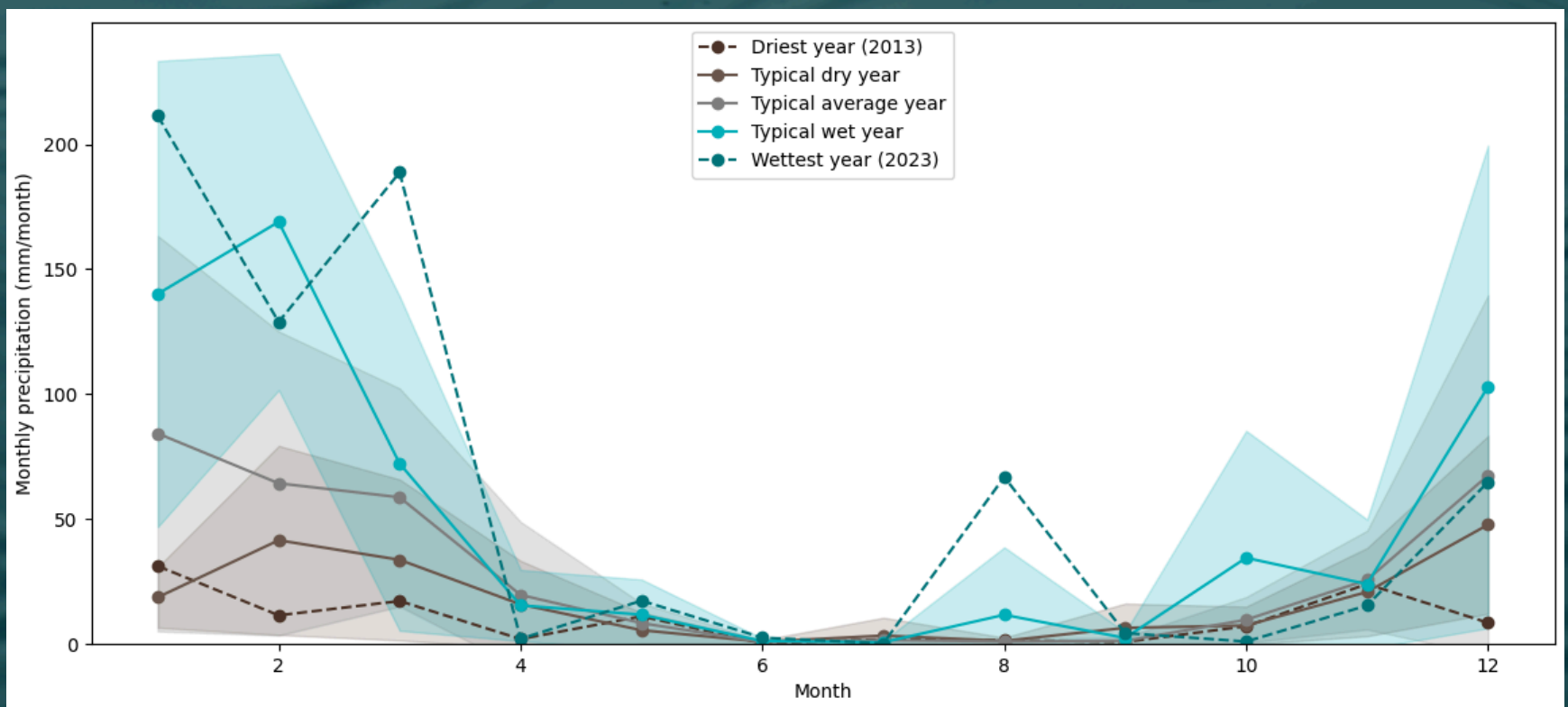
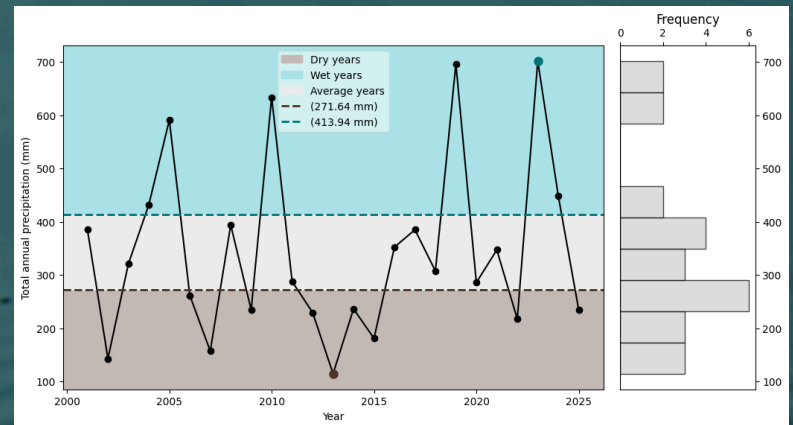
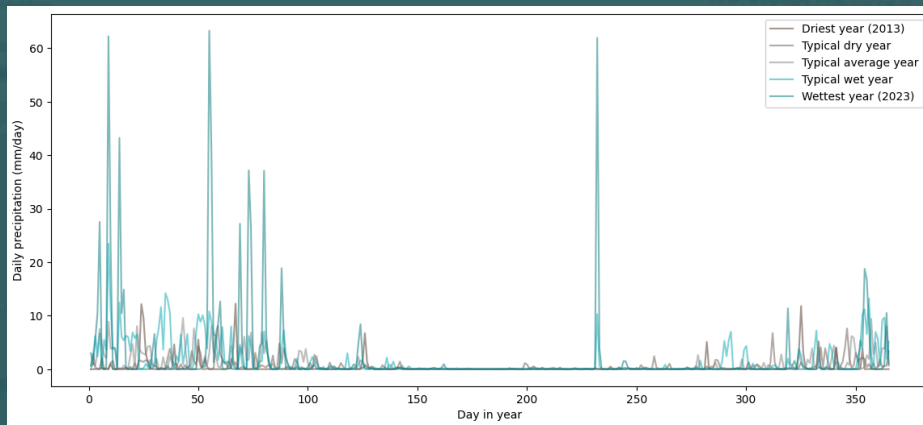
204,768 litres

(53,900 gallons) in the
wettest year

If we combined rainwater harvesting with a property-wide greywater reuse strategy, fire-resistant landscaping and fire-resistant building materials, we could bring the fire risk down substantially.

Greywater could be used to keep the fire-resistant landscape green and non-flammable year-round, and the rainwater could be stored for wildfire season as a backup measure.

Below are some charts the 5th World Data team put together to help understand the opportunity.



If you are in California and you are a building professional who wants to integrate these systems into your designs, please reach out at **www.5thworld.com/contact/**