

Sea levels are rising now...

California has experienced several extreme sea level events in recent years. San Diego experienced its highest recorded sea level in November 2015.



Left: A flooded beach and access point in La Jolla resulted in loss of recreation.

Center: Marsh habitat in Mission Bay is almost entirely submerged during flooding.

Right: High water reaches Imperial Beach's Seacoast Avenue.

... and will rise even faster beyond 2050.

The graph below shows how extreme events like the one experienced in November 2015 will become increasingly more common as sea levels rise. The biggest coastal floods and hazards will happen when El Nino, high tides, severe storms and high waves occur at the same time.

Days per year above the highest recorded sea level (5.1 ft on Nov 2015)

Flooding days may not be consecutive, as events are likely to occur multiple times per year.

The next few decades will provide communities with critical time to be innovative and test adaptation strategies.

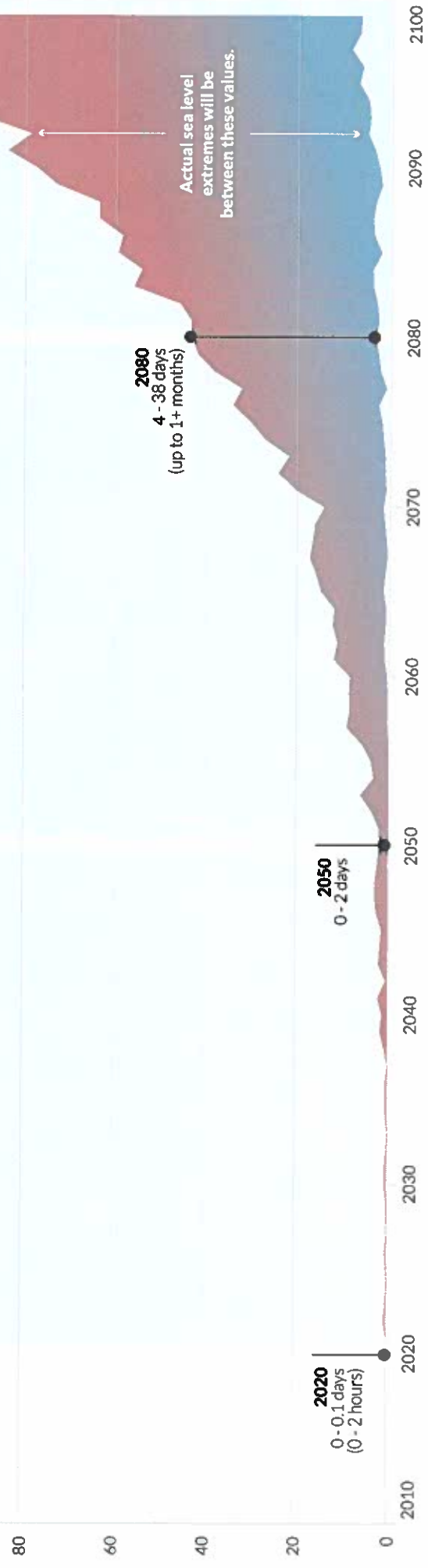
By 2050, total projected sea level rise ranges from 8-15 inches, which would surpass the amount of rise observed over the last century.

See other side for ideas on how communities can actively work to become more resilient.

Proactive choices today will ensure our region is resilient to storms, erosion and flooding before sea levels rapidly increase beyond 2050.

Communities that implement and test solutions before this rapid increase will be better able to withstand more frequent and intense impacts.

Our future depends on the decisions we make about greenhouse gas emissions and the melting of ice sheets in Greenland and Antarctica.



← The **most flooding** is projected under a high scenario, where there are no changes to how we emit greenhouse gases.
 ← The **least flooding** is projected under a moderate scenario, assuming the global community will act to reduce emissions.