



National Oceanic and Atmospheric Administration
U.S. Department of Commerce

U.S. coastline to see up to a foot of sea level rise by 2050

Report projects a century of sea level rise in 30 years

Focus areas: Ocean & Coasts **Topics:** sea level rise

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New U.S. regional sea level scenarios developed by NOAA and partners will help coastal

communities plan for and adapt to risks from rising sea levels. This photo shows flooding in Norfolk, Virginia, on May 16, 2014. (NOAA)

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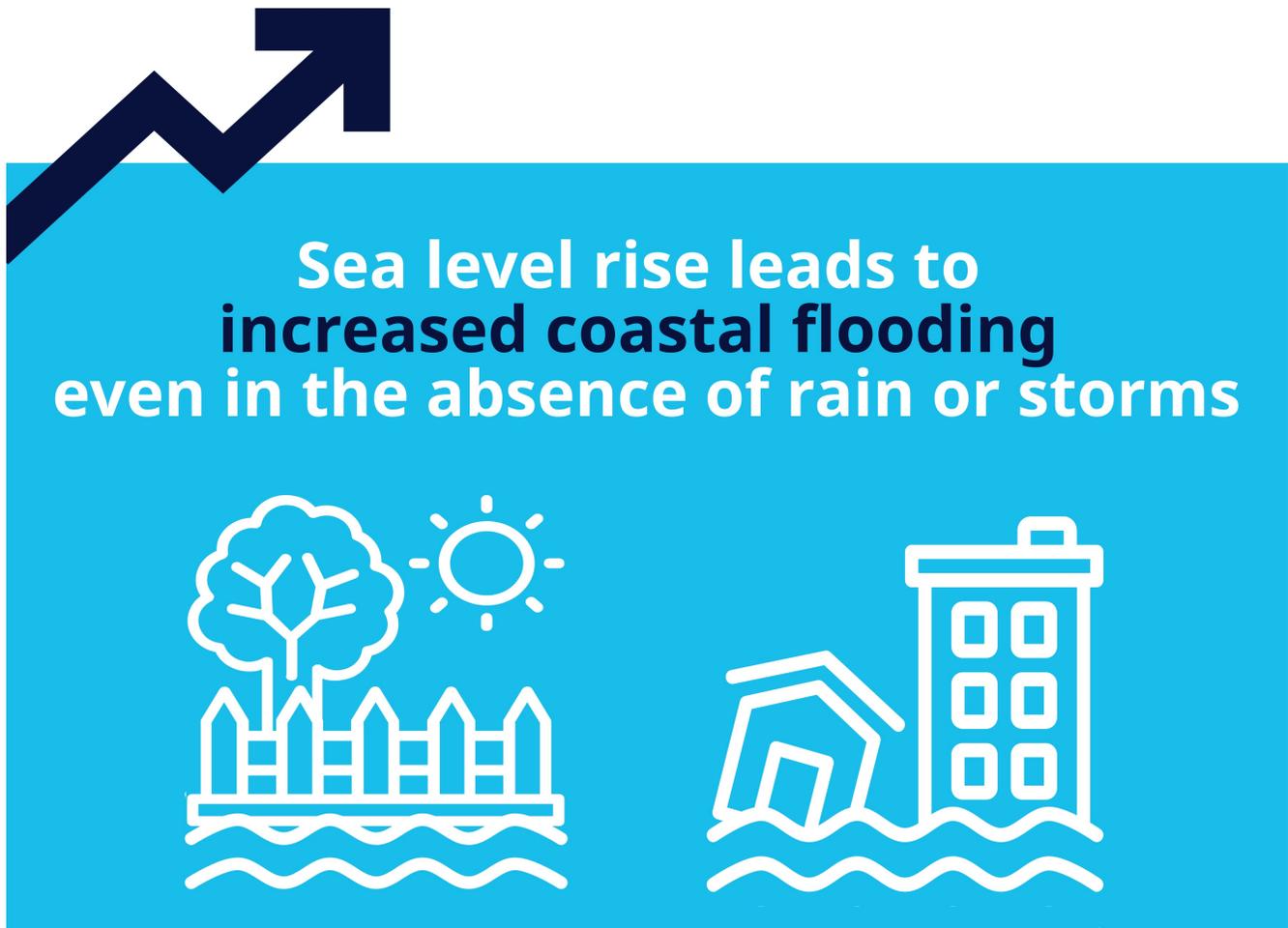
The United States is expected to experience as much sea level rise by the year 2050 as it witnessed in the previous hundred years. That's according to a NOAA-led report updating sea level rise decision-support information for the U.S. released today in partnership with half a dozen other federal agencies.

The [Sea Level Rise Technical Report](#) provides the most up-to-date sea level rise projections for all U.S. states and territories by decade for the next 100 years and beyond, based on a combination of tide gauge and satellite observations and all the model ensembles from the Sixth Assessment Report of the Intergovernmental Panel on Climate Change (IPCC). The report projects sea levels along the coastline will rise an additional 10-12 inches by 2050 with specific amounts varying regionally, mainly due to land height changes.

The report updates the [federal government's 2017 sea level rise projections](#), and provides additional information on tide, wind, and storm-driven extreme water levels affecting current and future coastal flood risk. A suite of federal tools are using this data, including the [NOAA Sea Level Rise Viewer](#), which are critical to the Administration's commitment to tackle the climate crisis by making actionable climate data accessible to those who need it.



On average, the U.S. will see as much **sea level rise by 2050** as seen in the last century



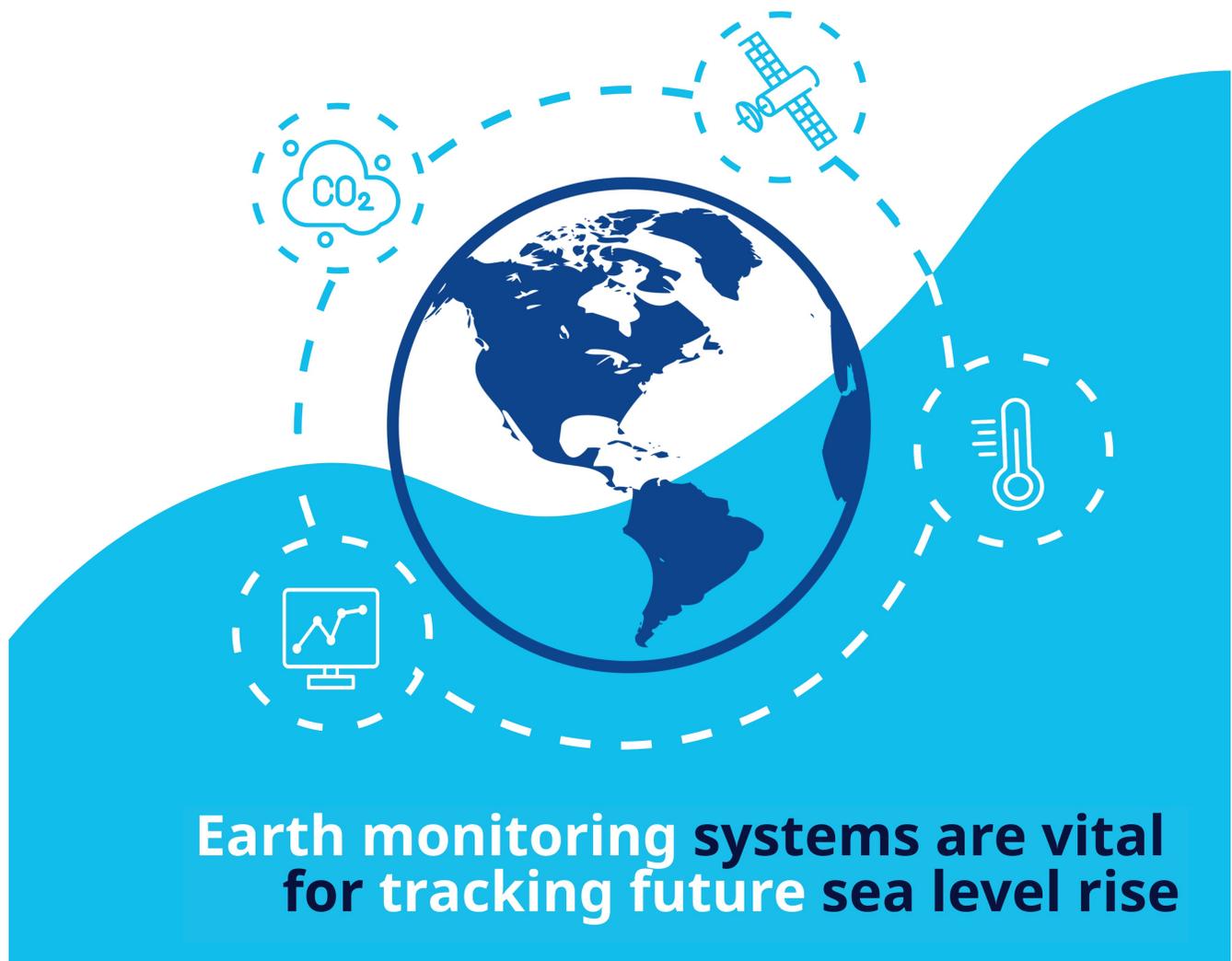
On average, the U.S. will see as much sea level rise by 2050 as seen in the last century. Sea level rise leads to increased coastal flooding, even in the absence of heavy rain or storms. Find an accessible version of this infographic under Resources in the sidebar to the right. (NOAA)

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“For businesses along the coast, knowing what to expect and how to plan for the future is critical,” said U.S. Secretary of Commerce Gina M. Raimondo. “These updated projections will help businesses, and the communities they support, understand risks and make smart investments in the years ahead.”

“This new data on sea rise is the latest reconfirmation that our climate crisis — as the President has said — is blinking ‘code red,’” said Gina McCarthy, National Climate Advisor. “We must redouble our efforts to cut the greenhouse gases that cause climate change while, at the same time, help our coastal communities become more resilient in the face of rising seas.”

At least two feet of sea level rise is likely by 2100 and reducing emissions now can lower future risk



At least two feet of sea level rise is likely by 2100 and reducing emissions now can lower future risk. Earth-monitoring systems are vital for tracking future sea level rise. Find an accessible version of this infographic under Resources in the sidebar to the right. (NOAA)

NOAA