

Sea Levels Rising in Clearwater, Florida

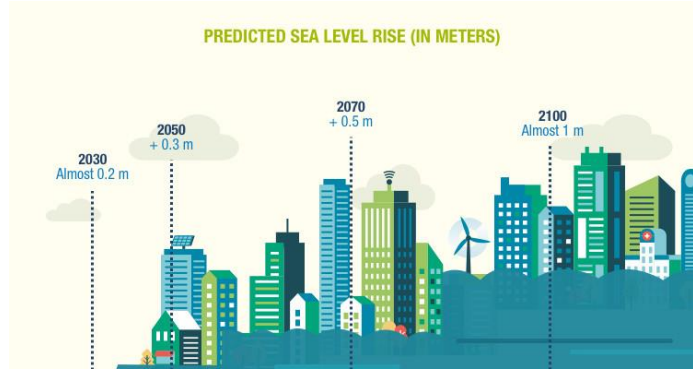
What does Sea Levels Rising Mean?

Sea levels rising means that oceans around us are all getting taller. Look at picture one, what do you think this tells us? It tells us that by 2100 the sea levels are going to be almost 5 times as much as it was in 2030! That is really tall!

Quick Conversions:

0.2 meters is about .6 feet

1 meter is about 3 feet



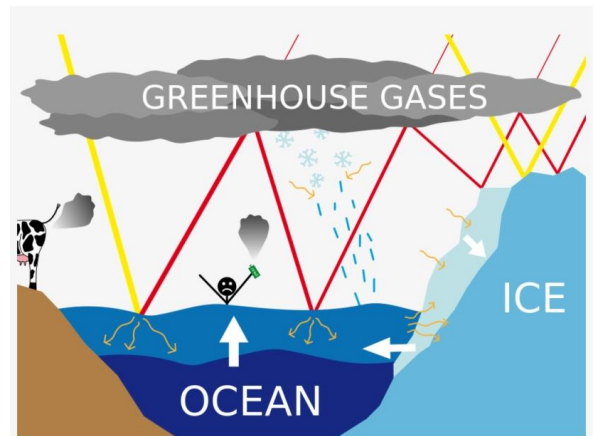
Picture 1: Sea levels are getting taller by the years! (Iberdrola, 2018)

What is Causing the Sea Levels to Rise?

Greenhouse gas produced by cows and humans let sunlight in while trapping the heat the sun produces. This heat causes the icebergs in the North and South pole to melt spreading all the water it contained into the ocean. This increasing the height of the ocean. Red lines are heat while yellow are the sun rays.

Key Vocab:

Iceberg: a huge chunk of ice in the ocean
Greenhouse gas: man made gas that traps heat



Picture 2: The cycle of sea levels rising! (Science for Kids)

Why is this Bad?

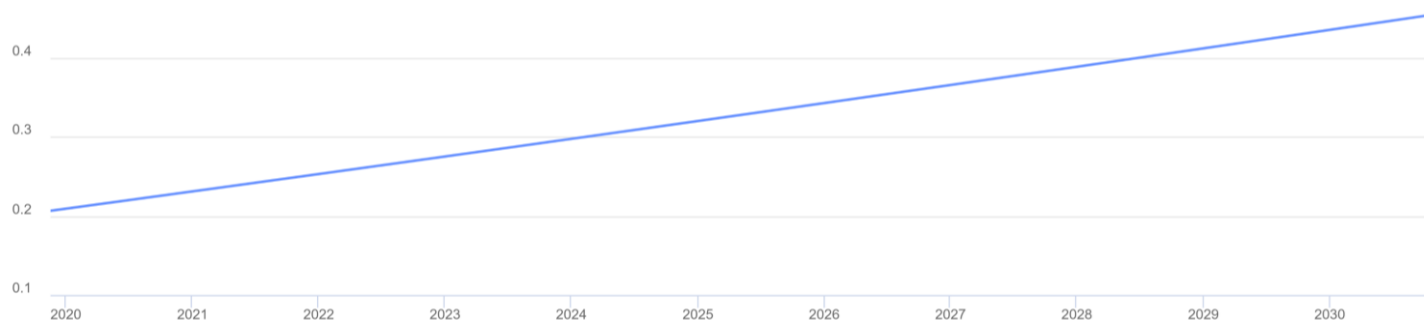
Sea levels rising is bad for us because the water will become too tall for our beaches and flood clearwater. The water will also become warm from all the heat and kill all of the fish and sponges living in the water. Look at how rising sea levels have already destroyed some of our city in picture three!



Picture 3: Rising sea levels destroy the foundation of our city! (Gonzalez, 2022)

What will the Sea Levels be in Clearwater in the Future?

The graph below shows how the sea level will change from 2020 to 2030. The left shows how taller the sea level becomes in feet!



Graph 1: Shows how taller the ocean gets from 2020-2030 (Sea Level Analysis Tool)