

STATEMENT SUPPORTING THE MD ENVIRONMENTAL HUMAN RIGHTS AMENDMENT HB 0596

Submitted February 23, 2022

I am an attorney residing in Annapolis MD, and ask for a favorable report on HB 0596. I support the opinions submitted by Dr. Thomas Moore.

THESE FACTS ARE NOT IN DISPUTE.

The City of Annapolis, its harbor, the Naval Academy are threatened by rising sea level. This flooding will damage the growth and economy of this capital city. The Salient facts are published by the City of Annapolis and NSA Annapolis in a document titled **CLIMATE RESILIENCE CONTEXT**

Exhibit 1 is the title page of this report

Exhibit 2 holds two graphs. DSLR SELECTED PROJECTIONS from 2030 to 2100 show slr (sea level rise) from est 2030 to 2100 with a low of 1 foot slr at 2030 to a high of 8 feet by 2100. The median level rise at 2050 appear to estimate slr at 1.9 or two feet. **The design level graph suggests a seawall of 5.2 feet is required to protect the naval academy and Annapolis Harbor.**

Exhibit 3 is a summary two findings in the 2022 Sea Level Rise Technical report published by the NOAA on their website. The Northeast coastline may average a slr of 14 to t 18 inches. **The NOAA SEA LEVEL REPORT also finds Failure to curb future emissions between 2020 and 2100 could Cause an additional rise of 1.5 to 5 feet of slr for a total of 3.5 to 7 feet by 2100.**

WE CAN AGREE that the duty of legislators is to protect the common good. WE can agree that the Opinion Works finds 76% on MD voters support the EHRA.

The issue before the members of this committee to have the courage to act and publicly vote and not be coopted by fear. One of these fears may be party discipline (unlikely in this crisis) or the fear of the cost of such remedies. The cost of remediation will likely obtain some 50% of the burden from the NSA. The cost of doing nothing can be catastrophic as we slowly watch businesses, homes and the Naval Academy continue to deteriorate and be abandoned or sold at substantial losses. Growth in the economy in the city would substantially fall.

It is clear public opinion supports passage of HB 0596 as an amendment to the MD Consitution. It is also clear your support will further your years in public service to the people.

CITY OF ANNAPOLIS /
NSA ANNAPOLIS

CLIMATE RESILIENT CONTEXT

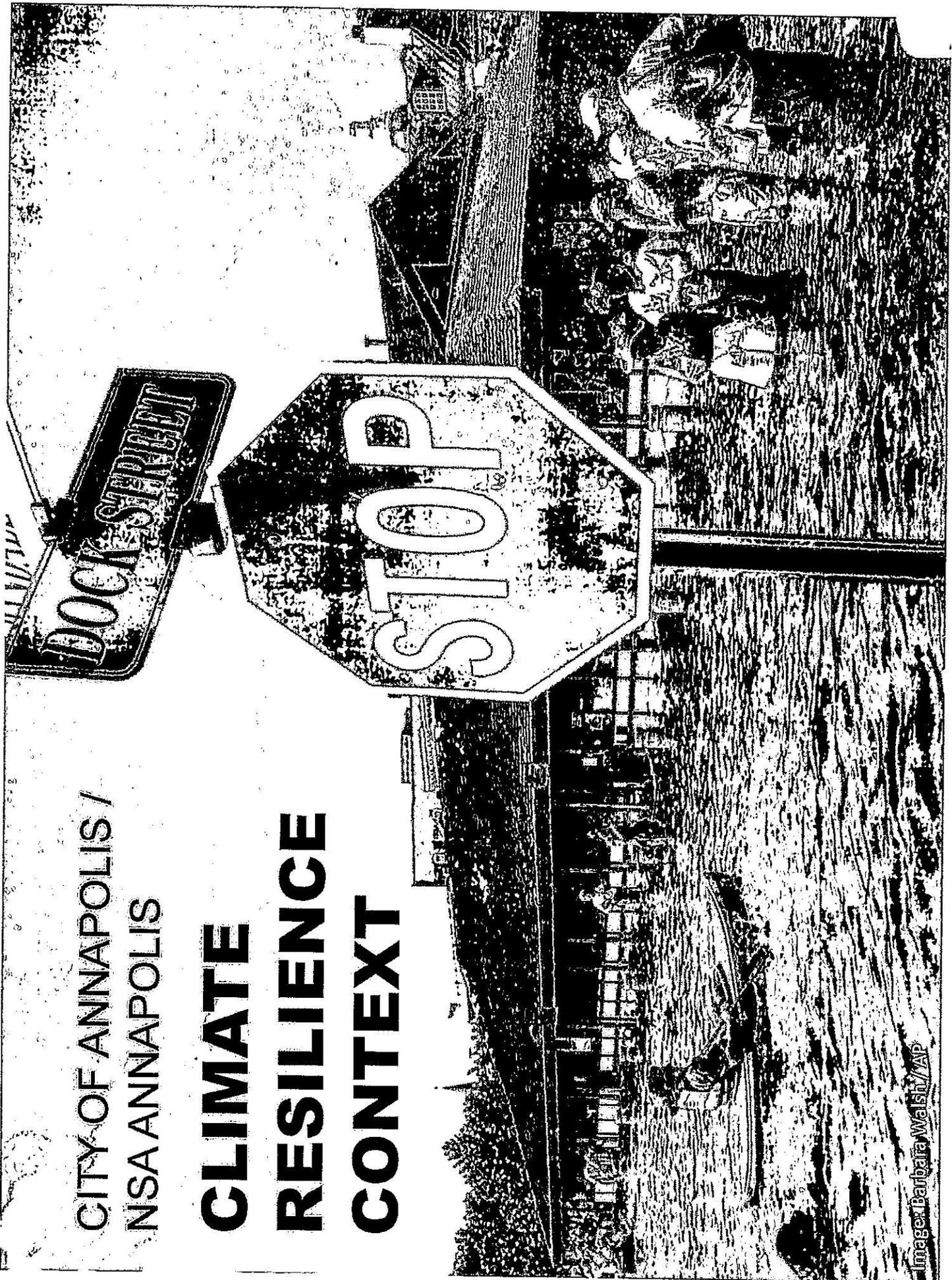


Exhibit 1. A Naval Academy Study of this century's projected sea level rise projects about 1.9 feet of Mean Seal Level (MSL) rise by 2050. The 2022 NOAA Sea Level Report moderated that to about 1.0 foot, only IF emissions are curbed. If not, it projects similar 5-7 feet rise by 2100.

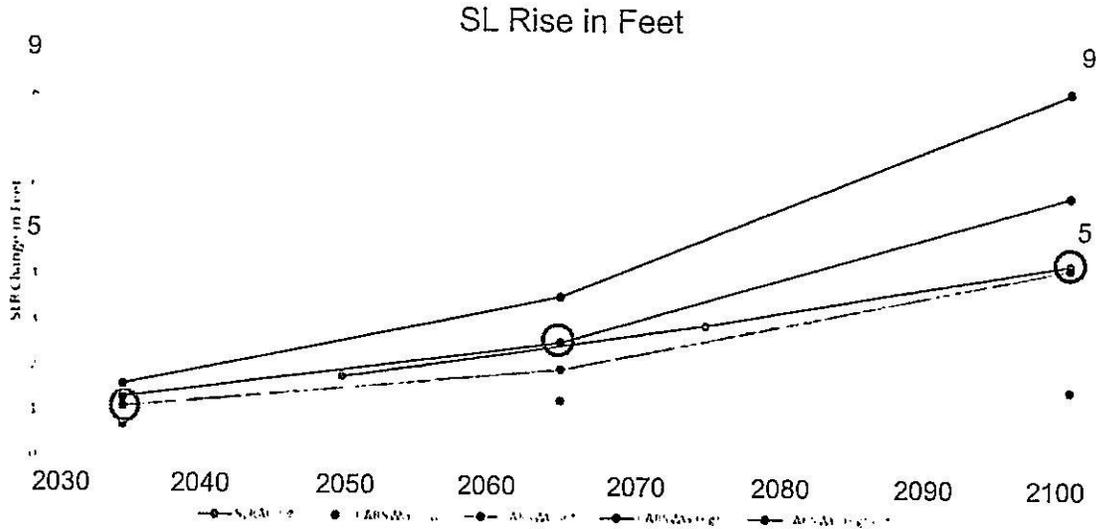
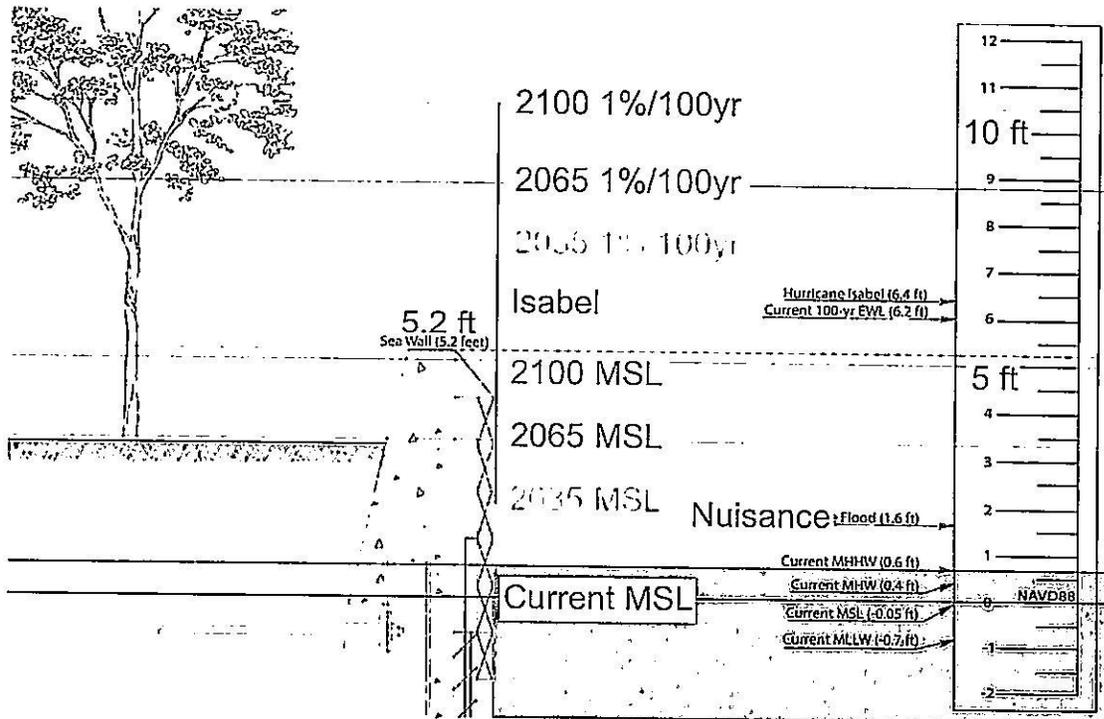


Exhibit 2. the recommended seawall is 5.2 feet above current MSL Future MSL and 100 year flood levels based on rising MSL are shown at three dates. Studies vary but the trend is clear.



2022 Sea Level Rise Technical Report

Ex 3

1

The Next 30 Years

Sea level along the U.S. coastline is projected to rise, on average, 10 - 12 inches (0.25 - 0.30 meters) in the next 30 years (2020 - 2050), which will be as much as the rise measured over the last 100 years (1920 - 2020). Sea level rise will vary regionally along U.S. coasts because of changes in both land and ocean height.

Rise in the next three decades is anticipated to be, on average: 10 - 14 inches (0.25 - 0.35 meters) for the East coast; 14 - 18 inches (0.35 - 0.45 meters) for the Gulf coast; 4 - 8 inches (0.1 - 0.2 meters) for the West coast; 8 - 10 inches (0.2 - 0.25 meters) for the Caribbean; 6 - 8 inches (0.15 - 0.2 meters) for the Hawaiian Islands; and 8 - 10 inches (0.2 - 0.25 meters) for northern Alaska.

3

Emissions Matter

Current and future emissions matter. About 2 feet (0.6 meters) of sea level rise along the U.S. coastline is increasingly likely between 2020 and 2100 because of emissions to date. Failing to curb future emissions could

cause an additional 1.5 - 5 feet (0.5 - 1.5 meters) of rise for a total of 3.5 - 7 feet (1.1 - 2.1 meters) by the end of this century.

Breaking it Down: