



Date: February 1, 2024
To: Mayor & City Council
From: Interim City Manager Holstine
Subject: Seal Level Rise Study at Sierra Point

Background

During the discussion of Park and Open Space Master Planning the City Council discussed understanding the effects of sea level rise at Sierra Point. The discussion was about impacts on our Marina as well as the shoreline. Staff indicated that we would draft a scope of work as well as identify funding source(s).

Summary

To develop a clear understanding of the effects of anticipated SLR on the city's Marina and adjoining facilities so the city can better prepare grant applications for adaption to these known rising levels, city staff has engaged two consultants to review the issue. Both consultants have previously entered into Agreements for Professional Services with the City a successfully and performed work for city departments.

Anchor QEA is a well respected near shore environmental and engineering firm. They previously designed and oversaw the latest marina dredging project and assisted the city with the development of grant application for a hand launch facility for non-motorized vessels on Sierra Point's south shoreline. Anchor's scope of work for this SLR study includes assessing the short and long-term impacts to the marina docks and piles, concrete panel seawall, as well as assessing flooding and top of slope impacts. The study time will extend to the year 2100 and will include engineering remedies with a range of magnitude costs estimate for each. The price for this work is \$36,500.

A second contract was awarded to EKI Consultants who are a well respected and established civil and environmental engineering firm that has worked on many utility projects for the city and has also provided environmental engineering assistance to our Community Development Department for review of planning applications. EKI's scope of work for this SLR study will focus on short- and long-term impacts to the city's utility infrastructure adjoining the marina. This includes review of piping, manholes, valves, pump station, and outfalls associated with potable water, wastewater, and stormwater systems contiguous with the marina. The study period will extend to the year 2100 and will include engineering remedies with a range of magnitude costs estimates. This work is budgeted for \$36,700.

These two studies will provide the data and information we will need to compete for grants as they become available.

Financial Implications

Both of these studies will be funded by the one-time fee we received as a condition of approval for the permit to allow to allow for a bridge between two buildings at the Healthpeak project at Sierra Point, that increased office space.