



DATE: January 13, 2020

TO: Council Sustainability Committee

FROM: Director of Development Services
Director of Public Works

SUBJECT: Discuss the Adaptation Strategies Identified in the Shoreline Master Plan

RECOMMENDATION

That the Committee provides feedback on the adaptation strategies identified the Shoreline Master Plan.

SUMMARY

The Hayward Area Shoreline Planning Agency (HASPA) is preparing a Shoreline Master Plan to make the shoreline more resilient to the effects of sea level rise. Staff seeks the Committee's comments and direction on the adaptation strategies identified for the Plan.

BACKGROUND

HASPA is a joint powers agency whose mission is to coordinate agency planning activities and plan for sea level rise to ensure the Hayward Regional Shoreline's natural, recreational, and man-made resources are protected for future generations. Established in 1970, HASPA's member agencies are the City of Hayward, the Hayward Area Recreation and Park District (HARD), and the East Bay Regional Park District (EBRPD). Council member Mendall serves as Hayward's representative on the HASPA Board of Trustees. In addition, HARD and EBRPD each have one Board member serving on the Board of Trustees. HASPA's Technical Advisory Committee (TAC) is made up of staff from the three agencies.

HASPA has completed two vulnerability assessments for the shoreline, which identified vulnerable assets and potential adaptation strategies. The *Preliminary Study of the Effect of Sea Level Rise on the Resources of the Hayward Shoreline*, which outlines four long-term adaptation strategies to protect critical assets, was completed in 2010. The *Hayward Resilience Study*, which was an extension of the Adapting to Rising Tides Project led by the San Francisco Bay Conservation and Development Commission (BCDC), was completed in 2014. Both studies are available on the project webpage¹.

¹ <https://www.hayward-ca.gov/shoreline-master-plan>

The Hayward Shoreline Master Plan will build off these past studies to identify specific adaptation strategies, policies, and projects to protect identified vulnerable assets.

On July 16, 2018², the Council Sustainability Committee considered a report about the Caltrans grant and the Shoreline Master Plan. The Committee recommended that the City Council adopt a resolution to accept the Caltrans grant and execute a Memorandum of Understanding with HARD and EBRPD to complete the Shoreline Master Plan.

On July 24, 2018³, on behalf of HASPA, Council authorized the receipt of grant funds from Caltrans to prepare the Hayward Regional Shoreline Master Plan. On December 18, 2018⁴, Council authorized, on behalf of HASPA, a contract with SCAPE. SCAPE is a landscape architecture firm with extensive experience preparing adaptation plans to address sea level rise. In 2019, SCAPE prepared a background report, facilitated two stakeholder workshops and one public open house. The report and meeting materials are available on the project webpage.

During the second half of 2019, staff from the three HASPA agencies worked with SCAPE to prepare a report including Project Goals, Policy Recommendations, and Adaptation Strategies. The report, also available on the project webpage, was presented to the HASPA Board of Trustees at their meeting on January 9, 2020. At the January 13 Committee meeting, staff's presentation will include a summary of the comments made by the HASPA Trustees.

DISCUSSION

Staff seeks the Committee's input on the adaptation strategies identified by the HASPA TAC, stakeholders, and SCAPE. The report, available on the project website⁵, outlines potential adaptation strategies including nature-based, engineered, and non-structural strategies. A variety of adaptation strategies and options are provided for beach and levee protection, marsh restoration, stormwater management, the approach to the Hayward-San Mateo Bridge, the Bay Trail, relocation of the Hayward Shoreline Interpretive Center, inundation of developed properties in the western industrial district, and the discharge of treated wastewater. The various options and adaptation strategies will be presented during the Committee meeting.

ECONOMIC IMPACT

The shoreline and the San Francisco Bay Trail provide an estimated \$490,000 in annual revenue to the local and regional economy. The Hayward Shoreline Interpretive Center

² <https://hayward.legistar.com/LegislationDetail.aspx?ID=3551021&GUID=0C320A33-CD6A-43FC-9F58-7D4A385473CF&Options=&Search=>

³ <https://hayward.legistar.com/LegislationDetail.aspx?ID=3582257&GUID=A2889995-AD55-4F83-81BD-A08B5B8C3CE5&Options=&Search=>

⁴ <https://hayward.legistar.com/LegislationDetail.aspx?ID=3784499&GUID=3BAB6DE9-C3AF-407D-A69A-0DD563977C96&Options=&Search=>

⁵ Direct link to report: https://www.hayward-ca.gov/sites/default/files/191223_Task4_Report-spreads-opt%20%281%29.pdf

generates more than \$60,000 in annual revenue for HARD. The Plan will identify strategies to protect these assets and the related economic activity. Furthermore, a more resilient shoreline will protect the City's Industrial Technology and Innovation Corridor and make this critical part of Hayward's economy more resilient to climate change.

FISCAL IMPACT

Preparation of the Shoreline Master Plan is funded by a Caltrans Adaptation Planning Grant of \$509,000. The grant requires a local match of \$175,000, which will be provided through in-kind-services and will be shared by the three agencies. In addition, the three HASPA agencies have committed to contribute \$80,000 each to fund the preparation of an Environmental Impact Report (EIR) pursuant to the California Environmental Quality Act (CEQA). Having an EIR adopted along with the Plan will put HASPA in a more competitive position to pursue grant funding to implement projects identified in the Plan.

STRATEGIC INITIATIVES

The Hayward Regional Shoreline Master Plan would support the City's Complete Communities Strategic Initiative. The purpose of the Complete Communities Strategic Initiative is to create and support services and amenities that provide inclusive and equitable access with the goal of becoming a thriving and promising place to live, work and play for all. This item supports the following goals and objectives:

Goal 1: Improve quality of life for residents, business owners, and community members in all Hayward neighborhoods.

Objective 4: Create resilient and sustainable neighborhoods.

Goal 2: Develop a regulatory toolkit for policy makers.

Objective 1: Update, streamline, and modernize zoning and codes.

Objective 3: Develop and refine other regulatory tools.

The Hayward Shoreline Master Plan endeavors to improve the economic and environmental resilience of industrial properties and residential neighborhoods near the Hayward Regional Shoreline and protect important natural and recreational resources into the future for public enjoyment. Furthermore, the project will include recommended land use policies and updates to zoning regulations as one of the implementation tools to better protect the shoreline area and businesses from the adverse impacts of sea level rise.

In addition, completion of the Shoreline Master Plan and EIR has been identified as a priority project in the draft Citywide Strategic Roadmap, which is scheduled to be considered for adoption by Council in January 2020 and will guide the City's budgeting and work programs through fiscal year 2023.

SUSTAINABILITY FEATURES

The Hayward Regional Shoreline Master Plan will provide a framework for resilience to prepare for sea level rise. The primary goals of the project are to:

- Create a Resilient Shoreline Environment for People and Ecology
- Enhance the Shoreline Environment to Reduce Risk to Critical Infrastructure and Built Assets
- Build Social Resilience in the Community
- Build Capacity for Future Generations to Adapt to climate change

PUBLIC CONTACT

In the spring of 2019, a survey was conducted to assess the public's general understanding of the Hayward shoreline, sea level rise, potential flooding, and participants' feelings, concerns, and predictions regarding these issues. The survey was completed by approximately 900 people and the results are summarized in the background report. Also, the public was invited to attend a Shore Tour, which took place on Sunday, October 27, 2019; and two stakeholder meetings were held in May and October 2019.

NEXT STEPS

Staff will work with HARD, EBRPD, and SCAPE to incorporate the Committee's comments into the Shoreline Master Plan. In early 2020, an Adaptation Report will be prepared, followed by Design Strategies, and then a Preferred Alternative. A draft Plan will be available in late 2020 and is scheduled to be finalized by February 2021.

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Alex Ameri, Director of Public Works

Approved by:



Kelly McAdoo, City Manager