June 14, 2022

Colma Creek Citizens Advisory Committee Meeting

AGENDA

I. Roll Call

II. Public Comment

III. Action to set the Agenda and approve the Consent Agenda
   A. Adopt Resolution 2021-06-14 to continue conducting meetings of the Board of Directors remotely due to public health concerns caused by the COVID-19 pandemic
   B. Approve minutes of the March 8, 2022, meeting

IV. Update on Colma Creek Flood Zone Projects and Maintenance Activities, including the proposed FY 2022-2023 Budget

V. City of South San Francisco Presentation on General Plan Update

VI. Orange Memorial Park Stormwater Capture Project Completion

VII. Adjournment
Agenda Item 4

Update on Colma Creek Flood Zone Projects and Maintenance Activities

Appendix A
Map of Colma Creek Flood Zone Projects and Maintenance Activities

Maintenance Activities 1a, 3a, and 3b include the following tasks, which are performed throughout the creek channel in collaboration with the City of S. San Francisco and Town of Colma under Maintenance Agreements with the District:

- Quarterly inspections, including monitoring of illegal dumping and homeless encampment activities
- Bank vegetation management
- Graffiti abatement
- Minor facility repairs
Agenda Item 4

Update on Colma Creek Flood Zone Projects and Maintenance Activities

Project 3. USACE Lower Colma Creek Project
- Lowest proposal: $612,510
- Contract executed 3/18
- Outreach to agencies sent 5/20
- Construction: Aug - Oct 2022

Completed!
- Presentation from SSF to follow

Appendix A
Map of Colma Creek Flood Zone Projects and Maintenance Activities

Maintenance Activities 1a, 3a, and 3b include the following tasks, which are performed throughout the creek channel in collaboration with the City of S. San Francisco and Town of Colma under Maintenance Agreements with the District:
- Quarterly inspections, including monitoring of illegal dumping and homeless encampment activities
- Bank vegetation management
- Graffiti abatement
- Minor facility repairs

Project 2. Utah Avenue to Navigable Slough Flood Protection Project
- Project Report will be released for public comment shortly, will distribute to the Committee

Project 1. Regional Stormwater Capture Project at Orange Memorial Park
- Project Report will be released for public comment shortly, will distribute to the Committee

Project 2. PUC Site Development
- Presentation from SSF to follow
## Agenda Item 4: Fiscal Year 2022 – 2023 Proposed Budget

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<th>Estimated FY21-22 Year-End</th>
<th>Proposed FY22-23</th>
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## Agenda Item 4: Fiscal Year 2022 – 2023 Proposed Budget

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<td><strong>REVENUE</strong></td>
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<td>Taxes (Secured Property)</td>
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<td><strong>Total Revenue</strong></td>
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<td><strong>EXPENSES</strong></td>
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<tr>
<td>General administration of Flood Zones</td>
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<td>Maintenance planning, design &amp; construction</td>
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<td>Capital Projects planning &amp; design &amp; construction</td>
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<td>Debt service on a bond</td>
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<td>General Liability Insurance</td>
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<td><strong>Total Expenses</strong></td>
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<td>Total Revenue minus Total Expenses</td>
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<td>Reserves from prior fiscal year</td>
<td>30,354,543</td>
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<tr>
<td><strong>Estimated Reserves at end of FY2022-23</strong></td>
<td>31,138,216</td>
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Agenda Item 5

City of South San Francisco Presentation on General Plan Update
## PLAN UPDATES

### General Plan Update
- Sets the 20-year vision for the city
- Address current and future challenges, building on community assets
- Provides policy direction for future decision-making across 12 chapters
- Establishes pattern of future development in the city (where, what kind, and how much)
- Review period closed on 5/31

### Climate Action Plan Update
- Acts as the City’s greenhouse gas reduction program
- Inventories current emissions
- Estimates future emissions
- Establishes greenhouse gas reduction measures
- Assesses the effectiveness of greenhouse gas reduction measures at meeting State targets
- Review period closed on 5/31

### Zoning Code Update
- Establishes development standards and process
- **Out for public review**

### Environmental Impact Report
- Evaluates and discloses the potential impact of plan buildout
- Release date anticipated in June
UPCOMING MEETING SCHEDULE / PROCESS

June 2022
- Public Release of Zoning Code and EIR
- Community engagement of Zoning Code and EIR

July 2022
- Close comment periods on Zoning Code and EIR
- Prepare final General Plan, Climate Action Plan, Zoning Code, and EIR

Fall 2022
- Public Release of Adoption Draft General Plan, Climate Action Plan, Zoning Code, and EIR
- Adoption Hearings Begin
GENERAL PLAN PROCESS

Existing Conditions (Summer, 2019):
In this initial phase of the planning process, the General Plan Update team assessed the current conditions and policies of South San Francisco to gain a greater understanding of the city’s key issues, community assets, and future opportunities and trends.

Policy Development (Fall 2020–Fall 2021):
Goals, policies, and implementation actions for all chapters of the General Plan were developed by the planning team and presented as Policy Frameworks. These Policy Frameworks were introduced through an array of virtual meetings and short videos and were then posted on the project website to gather public feedback that shaped the development of the final version of these policies, goals, and actions.

Alternatives (Summer–Fall 2020):
In this stage, different land use and transportation development alternatives were created for the community to assess the trade-offs between different future growth patterns in South San Francisco and to identify which alternative best meets the community’s vision. Through a series of community meetings evaluating three alternatives, the planning team finalized a preferred alternative in November 2020. This process also informed the development of the Final Preferred Land Use Plan.

Review + Adopt (Winter 2021–Summer 2022):
The last stage of the planning process includes the publishing of the Public Review draft of the General Plan for City Council, Planning Commission, and community review. Additionally, an Environmental Impact Report (EIR) is prepared and published to evaluate the potential impact of the General Plan. This phase also includes preparing and publishing updates to the City’s Zoning Code and revising the City’s Climate Action Plan. Once all these documents are reviewed and adopted, the final South San Francisco General Plan is released.

Listening and Visioning (Spring 2019–Spring 2020):
Community input through workshops, stakeholder interviews, and focus groups lead the development of a long-term vision, Core Values, and Guiding Principles for the General Plan. All the policies and programs within the General Plan are guided by these three features.
Vision

South San Francisco is a place where everyone can thrive. Its high quality of life, diverse and inclusive community, livable neighborhoods and excellent services, culture of innovation, and environmental leadership ensure all people have the opportunity to reach their full potential.
VALUES

Livability
We cherish our high quality of life. Residents of all ages, income levels, and abilities are able to comfortably live in a variety of housing options and can easily access quality parks, recreational facilities, libraries, and community services. We can travel via safe and reliable transportation options, including walking, biking, and public transit.

Diversity + Inclusion
We celebrate our diversity. We proactively promote diversity and inclusion for all races, ethnicities, genders, sexual orientations, abilities, ages, religions, and cultural and socioeconomic backgrounds. We strive to ensure equitable access to services and resources for all, build collaborative partnerships, and promote civic engagement.

Sustainability
We strive to build and maintain a healthy and safe city. Our actions reduce climate pollution, adapt to climate disruptions, preserve natural resources, foster a prosperous and just economy, and meet the needs of current and future generations to ensure all people have the opportunity to reach their full potential.

Innovation
We encourage innovation, creative thinking, and state-of-the-art solutions. We pilot new tools and technologies and forge public-private partnerships that improve the well-being of residents and the efficiency of City operations and businesses.
GUIDING PRINCIPLES

1. Affordable, Safe, Attractive, Amenity-Rich Neighborhoods

2. High-Quality and Accessible Services, Facilities, and Amenities for Residents at All stages of their lives

3. A Safe, Convenient, and Accessible Transportation Network Well-connected to the region

4. A Resilient Community

5. A Prosperous Downtown and Local Economy
GENERAL PLAN ORGANIZATION

Our Plan describes the community vision future for the future, planning process, and plan structure.

Our Place contains elements that focus on the built environment of South San Francisco.

Our People contains elements that focus on the safety and well-being of the people of South San Francisco.

Our Environment contains elements that focus on the natural environment and environmental aspects that affect South San Francisco's natural environment.

Our Plan to Get There summarizes the implementation actions to achieve the Vision and critical goals of the General Plan.
CHAPTER 10

Abundant and Accessible Parks and Recreation
WHERE WE WANT TO BE IN THE FUTURE

South San Francisco has a system of well-connected parks, open spaces, trails, and recreational facilities that serves all residents, employees and visitors and promotes use of active transportation, exercise, and health.

Residents of all neighborhoods of the city have convenient access to well-maintained parks, open spaces, trails, and recreational facilities.

There are opportunities for people of all ages, abilities, ethnicities, and backgrounds to engage, participate, and enjoy San Francisco’s parks and open spaces, recreational facilities and amenities, and recreational services.

The open space network contributes to a healthy community by maintaining a thriving urban forest, supporting urban biodiversity, and sequestering carbon.

Expanded recreational programming capacity effectively serves all segments of San Francisco’s diverse community.

All San Francisco children have access to affordable childcare and high-quality early childhood programs.

The City increases enrichment and youth development opportunities and increases participation for children of color in San Francisco.

How Our Plan Gets Us There

Parks, recreational facilities, and services provide critical benefits to the residents of South San Francisco.

They provide space for exercise, socialization, relaxation, and enhance the visual appearance of the city, and make the city an inviting place to live and work.

A well-connected trail and park system can help bridge geographic divides and create opportunities for more interaction among South San Francisco residents. As the city grows and the recreational needs of its residents evolve, the City will maintain existing parks and serve the community's needs while expanding the breadth of services of the City's parks, trails, urban forests, and recreation services. The City will ensure parks and recreation services are provided equally throughout the community and that the City's community engagement and outreach related to parks and recreation services is transparent and equitable.

Performance Metrics

1. PERFORMANCE METRIC
   - PARK SATISFACTION RATING
     - Target: NPS survey rating
     - Track: NPS survey response rate
     - Result: NPS survey rating

2. PERFORMANCE METRIC
   - IMPROVED PARKLAND
     - Target: 1.0 Acres
     - Track: Acres of improved parkland
     - Result: 1.0 Acres

3. PERFORMANCE METRIC
   - OPEN SPACE
     - Target: 1.0 Acres
     - Track: Acres of open space
     - Result: 1.0 Acres

4. PERFORMANCE METRIC
   - PARK ACCESS
     - Target: 1.0 Acres
     - Track: Acres of park access
     - Result: 1.0 Acres

5. PERFORMANCE METRIC
   - MILES OF TRAILS
     - Target: 20.0 Miles
     - Track: Miles of trails
     - Result: 20.0 Miles

Percent of residents meeting the target: 97.37%
KEY ISSUES AND OPPORTUNITIES

South San Francisco maintains a variety of parks and open spaces for residents, employees, and visitors to enjoy. The City also maintains a network of recreational facilities across the city, offering a wide range of high-quality, highly utilized programs for residents of all ages. This provides an exciting opportunity to expand recreational programming and create new innovative park and open space types to serve the needs of existing and future residents. To meet this vision, accessibility, land availability, and funding issues create challenges for the City.

Park Classifications

As of 2021, SSSF acres of developed parklands, open space, and joint use facilities are within the City limits. This includes improved parkland and 14 acres of open space (20 acres), and joint use facilities (7 acres). The City maintains joint use agreements with other public agencies, the South San Francisco Unified School District, PG&E, San Francisco Public Utilities Commission, and BART to allow residents access to additional improved parkland and open space.

The City also maintains an additional 30 to 40 acres of right of way or other open space.

The park and open space network in South San Francisco include a range of spaces that have different uses and functions in the community. Each park type provides a range of opportunities for active and passive recreation, and they are categorized into three broad types: improved Parks, Open Spaces, and Joint Use Facilities.
POLICY FRAMEWORK

GOAL PR-1: South San Francisco equitably provides improved parkland, recreational facilities, and services for all residents.

INTENT:
To advance distribution equity in the City’s improved parkland, recreational facilities, and services so that all residents can engage in recreational, arts, and educational opportunities.

Policy PR-1.1: Prioritize disadvantaged community park and recreation. Prioritize the delivery of improved parkland, recreational facilities, and services in disadvantaged communities as defined in the Community Health and Environmental Justice Element.

Policy PR-1.2: Strive to have all residents within a 15-minute walk access to parks. Strive to have all residents within a 10-minute walk of an improved park.

Policy PR-1.3: Design parks and facilities to meet universal access standards. Design parks and recreation facilities for universal access and multi-generational use, encouraging play by residents of all abilities and ages. Continue to improve existing parks and open spaces to accommodate the needs of users of all ages and abilities.

Policy PR-1.4: Ensure equitable distribution of park and recreation opportunities. Ensure accessible public facilities and services are equitable distributed throughout the city and are provided in a timely manner to keep pace with new development.

Policy PR-1.5: Use underutilized spaces for recreational services. Seek opportunities to use vacant and underutilized commercial and industrial buildings for recreational services, especially in disadvantaged communities.

Policy PR-1.6: Translate information for park and recreational programs. Where appropriate, send targeted promotions and notifications related to parks, recreation, and City services in English, Spanish, Mandarin, Cantonese, and Tagalog.

Policy PR-1.7: Identify needs of undererved groups. In partnership with community members, identify the needs of youth, seniors, the disabled, children with special needs, people who do not speak English as a first language, disadvantaged populations, and people in neighborhoods underserved by parks, recreation, trails, and public facilities, and ensure facilities and programming serve the needs of these groups.

Policy PR-1.8: Match resident needs with services. Monitor demographics and needs of residents in neighborhoods throughout the city and match programming with neighborhood demographics and needs (e.g., more senior programming in neighborhoods with a substantial senior population) as part of the Parks and Recreation Master Plan process.

Policy PR-1.9: Support community events. Continue to support and permit special events in parks organized by community organizations helping to ensure these are all sufficient over time.
## IMPLEMENTATION ACTIONS

<table>
<thead>
<tr>
<th>Policy</th>
<th>Implementation Action</th>
<th>Priority</th>
<th>Primary Responsibility</th>
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</table>
| **GOAL PR-1:** South San Francisco equitably provides improved parkland, recreational facilities, and services for all residents.  
Policy PR-1.4  
Action PR-1.4.1: Provide targeted recreational services. Explore opportunities to provide and subsidize more recreational services to targeted populations (e.g., youth, older adults, persons with disabilities, and low-income populations). | High | Recreation Division (P&R) |
| **GOAL PR-2:** The city has an expanded network of improved parkland to accommodate the physical and social needs of users of all ages and abilities.  
Policy PR-2.1  
Action PR-2.1.1: Adopt and implement Parks and Recreation Master Plan. Adopt and implement the Parks and Recreation Master Plan, updating the Plan every 5-to-10 years. Develop the proposed parks identified in the Parks and Recreation Master Plan. Include new categories in parks classification system: San Mateo County-owned park trails, SSSPUSD properties the public can access per joint use agreements, and privately-owned public open spaces, among others. | High | Parks Division (P&R) |
| Action PR-2.1.2: Complete update of the Orange Memorial Park Master Plan. Complete update and implement the Orange Memorial Park Master Plan. | Medium | Parks Division (P&R) |
| **GOAL PR-4:** The City collaborates with a strong network of partners to improve and expand park and recreational opportunities across South San Francisco.  
Policy PR-4.2  
Action PR-4.2.1: Establish Sunshine Gardens Shared use agreement. Establish a partnership with the South San Francisco Unified School District to provide access to Sunshine Gardens Elementary School open space areas. | High | City Manager |
| Action PR-4.2.2: Provide recreational programing in joint use facilities. Coordinate with the South San Francisco Unified School District and San Mateo County Health Department, as well as local health providers and other community organizations, to provide recreational programming not offered in nearby public parks or recreation centers, such as after-school fitness and education programs. | High | Recreation Division (P&R) |
CHAPTER 5

Land Use and Community Design
WHERE WE WANT TO BE IN THE FUTURE

A strong local economy that offers employment opportunities

An attractive public realm

A diverse supply of housing types affordable to different income levels

Amenities that enhance quality of life

Convenient and equitable access to services and jobs

A sustainable and resilient built environment
COMPLETE NEIGHBORHOODS

Key Policies and Actions

• Vibrant, mixed use activity centers anchor
• Pedestrian / bike improvements
• Placemaking features, including public facilities, services, and events
• Healthy food, childcare and other amenities
TRANSIT-ORIENTED COMMUNITIES

Key Policies and Actions

- Prioritized development areas
- Incentive programs for affordable housing
- Mobility hubs
- Pedestrian / bike improvements
- Placemaking features, including public facilities, services, and events
- Shared and district parking
- Wayfinding
DIVERSE, HIGH-QUALITY HOUSING

Key Policies and Actions

• An expanded supply of housing at varying levels of affordability via infill housing development, preservation of existing affordable housing, and community benefits agreements to expand affordable housing
• A diversity of housing types
• Inclusionary Housing Ordinance and State Density Bonus implementation
• Housing support on school and institutional sites
• Encourage small-scale infill
QUALITY PLACES

Key Policies and Actions

• Improvement of streets and the public realm by:
  • Incorporating arts
  • Using sustainable design features;
  • Requiring street trees, lighting, and street furniture
• Colma Creek transformation
• Buildings compatible in height, scale, and design to their surroundings and design standards to regulate building design
DISADVANTAGED COMMUNITIES

Key Land Use & Mobility Policy

• Expansion of open space network and tree canopy
• Improved air quality by buffering residential uses from freeways and polluting industries
• Improvements to walking and biking networks
• Complete neighborhoods with access to healthcare and healthy foods
• Affordable housing preservation and expansion
• Enforcement of building safety codes
LAND USE DESIGNATIONS
ALL / MANY DISTRICTS

• Update landscaping water requirements (CP-3.2.2)
• Expand tree canopy cover (CP-7.2)
• Plant for biodiversity (ES-1.4)
• Enhance Colma Creek ecological corridor (CP-7.3)
• Require redevelopment in sea level rise inundation zones to adhere to sea level rise policies (CR-2.6)
• Require bird safe design East of 101 (ES-2.2.1)
• Ensure healthy food access (CHEJ-2.1)
• Encourage shared parking in neighborhoods (LU-2.5)
• Implement objective design standards (LU-4.1)
• Create publicly accessibly open spaces (SA-28.1.1)
MIXED-USE AREAS

- Support **mixed use activity centers** (LU-1.1)
- Create new **Lindenville and East of 101 mixed use neighborhoods** (LU-1.7)
- **Architectural transitions** near transit centers (LU-2.2)
- Promote **complete neighborhoods** by allowing some commercial uses in residential neighborhoods (LU-4.3)
- Determine incentives to create **community facilities** (LU-7.3)
- Create **mixed use neighborhood centered along Colma Creek** (SA-3.2)
- **Housing diversity** on El Camino Real (SA-8.1)
- Encourage **walkable connections** in multifamily development (LU-4.10)
EMPLOYMENT AREAS

• Maintain a critical mass of land zoned for R&D (LU-5.1)
• Require campus open space (LU-5.3)
• Community benefits framework (LU-5.6)
• Preserve industrial uses in areas designated Mixed Industrial High (LU-6.1)
• Encourage redevelopment of older or marginal industrial areas (LU-6.3)
• Preserve production, distribution, service, and repair (PDR) businesses (LU-6.5)
• Encourage a mix of uses on Airport Boulevard (SA-7.1)
• Goods movement in Lindenville and East of 101 (LU-6.9)
CHANGES TO LAND USE DESIGNATIONS
CHAPTER 6
Sub-Areas

SUB-AREAS

PART II: OUR PLACE

Distinct Community Sub-Areas

Connectivity
EAST OF 101

Land Use & Economic Development

- Allows for the growth and continued success of the life sciences through intensification
- Encourages targeted reinvestment in industrial areas, with flexible adaption of industrial properties
- Facilitates hotel construction / reinvestment
- Creates new mixed use neighborhoods along South Airport Boulevard and near the Caltrain Station, with the integration of concentrated and functional ground floor retail spaces
EAST OF 101

Key Mobility Improvements

- **Oyster Point Boulevard Bus Lanes**: Transit improvements
- **East Grand Avenue Bus Lanes and Caltrain Station Access**: Transit and pedestrian/bike improvements
- **Haskins Way and Oyster Point Boulevard**: New bridges
- **Railroad Avenue and Sylvester Road**: New street
- **South Airport Boulevard Modernization**: Transit and pedestrian/bike improvements
- **Utah Avenue**: New street and Highway 101 overpass

Proposed Open Space Improvements

- **East of 101 Area Trail Network and Bay Trail-Centennial Way Trail Connection**: Pedestrian/bike improvements
- **Colma Creek**: Improved parkland and open space adjacent to Colma Creek, including active transportation improvements
- **New parkland**: New parks support new residential neighborhoods.
EAST OF 101

Additional Policy Direction

- Colma Creek as a public amenity
- Sea level rise and flooding resilience strategy
- Development standards to support the health of the Bay
- New parks, public spaces, and public services, including connections
- Housing development near the Caltrain Station, South Airport
- Vehicle trip reduction through TDM, a vehicle trip cap, and/or a Transportation Management Authority
- New funding mechanisms to finance district improvements
- Enhances access to the Bay Trail
- Incorporates first/last-mile connections to Caltrain and Ferry
**LINDENVILLE**

**Land Use & Economic Development**

- Retains a large portion of its land area for service, transportation, and industrial uses
- Creates new complete mixed use residential neighborhood along Colma Creek
- Provides buffer of lower intensity industrial uses between higher intensity industrial uses and adjacent residential neighborhoods
- Facilitates creation of mixed use corridor on South Spruce Avenue
Key Mobility Improvements

• Utah Avenue: New street and Highway 101 overpass
• Centennial Way Trail and Bay Trail Connection: Pedestrian / bike improvements
• South Linden Avenue: Grade separation, transit and pedestrian / bike improvements
• Sneath Extension: Street extension
• Maple Avenue: Improved street connecting to Downtown
• Myrtle Avenue Extension: Street extension

Proposed Open Space Improvements

• Lindenville Area Trail Network and Colma Creek Trail Connection: Pedestrian / bike improvements
• Colma Creek: Improved parkland and open space adjacent to Colma Creek, including active transportation improvements
• New parkland: New parks support new residential neighborhoods.
LINDENVILLE

Additional Policy Direction

- Colma Creek as a public amenity
- Sea level rise and flooding resilience strategy
- Development standards to support the health of the Colma Creek
- Lot assembly to facilitate housing and mixed use development
- Context-sensitive building design
- Walkable district with attractive streetscapes
- Growth of arts and creative uses
- New public services, parkland, and recreation opportunities
- Bicycle and pedestrian connections through the district and to other parts of the city
- First/last-mile connections to BART and Caltrain
4. Zoning Ordinance Update
Division IV: Overlays and Plan Districts

- **Deleted**, relevant content worked into base zones as appropriate: Loft Overlay, Hillside Overlay, Bay West Cove Specific Plan, Gateway Specific Plan, Terrabay Specific Plan, Transit Village Plan, El Camino Real/Chestnut Avenue Area Plan

- **New**: Floodplain/Sea Level Rise Overlay

- **Retained**: Downtown Station Area Specific Plan, Genentech Maser Plan
**FLOOD PLAIN / SEA LEVEL RISE OVERLAY**

- **100-year Flood Zones**
- **52 inches (100-year flood + 2040 sea level rise)**
- **77 inches (100-year flood + 3 ft sea level rise)**
FLOOD PLAIN / SEA LEVEL RISE OVERLAY

Purposes
• Require resilient design and upgrades in areas impacted by sea level rise
• Require adaptation strategies and best practices for long-term resilience
• Introduce flood-proof construction techniques and shoreline protection measures

Applicability
• Area within FEMA flood zone map
• Area identified as the 100-year flood plus the mid-level scenario of 36 inches sea level rise
• BCDC jurisdictional area within a 100-foot shoreline band
COMMUNITY BENEFITS PROGRAM

- Grants additional development capacity for non-residential in exchange for community benefits

- For FARs above 1.0, an increase up to 2.5 is permitted by-right, provided:
  - Applicant pays Community Benefit fee, or
  - Applicant provide a community benefit consistent with City’s priorities

- Increase of FAR in excess of 2.5 can be granted by City through a Community Benefits Agreement
COMMUNITY BENEFITS PRIORITIES

• Public Spaces
• Enhanced Connectivity
• Public and Social Services
• Support for Local Businesses
• District TDM Measures
• District Sea Level Rise Mitigation Measures
Colma Creek Corridor Specific Items

- Land Use Alternatives, including the Colma Creek corridor
- Sea Level Rise and Adaptation Study
- Evaluation of Community Assets and Analysis of Colma Creek
- Additional Colma Creek Hydraulic Modeling

Anticipated Completion Summer 2023
RE-LAUNCHED HOME PAGE IN MARCH

South San Francisco is a place where everyone can thrive. Its high-quality of life, diverse and inclusive community, livable neighborhoods and excellent services, culture of innovation, and environmental leadership ensure all people have an equitable opportunity to reach their full potential.
CHAPTERS DESIGNED FOR DIGITAL

PERFORMANCE METRICS

- **Performance Metric:** Park hours
  - **Target:** 10 hours per day

- **Performance Metric:** Park accessibility
  - **Target:** 10 minutes walk or shorter

- **Performance Metric:** Park facilities
  - **Target:** 0.5 acres per 2,000 residents

- **Performance Metric:** Park maintenance
  - **Target:** 0.5 acres per 2,000 residents

POLICY FRAMEWORK

- **Goal PR-1:**
  South San Francisco equitably provides improved parkland, recreational facilities, and services for all residents.

  **INTENT:**
  To achieve distributed equity in the City’s improved parkland, recreational facilities, and services so that all residents can engage in recreational, arts, and educational opportunities.

  - **Policy PR-1.1:** Prioritize disadvantaged community park and recreation.
    - Provide the delivery of improved parkland, recreational facilities, and services in disadvantaged communities as defined in the Community Health and Environment Justice Element.

  - **Policy PR-1.2:** Sites to have all residents within a 10-minute walk access to parks.
    - Due to having all residents within a 10-minute walk of an improved park.

  - **Policy PR-1.3:** Design parks and facilities to meet universal access standards.
    - Design parks and recreation facilities for universal access and multi-generational use, encouraging play for residents of all abilities and ages. Continue to improve existing parks and open spaces to accommodate the needs of users of all ages and abilities.
FUTURE METRIC TRACKING

MEASURING PROGRESS


PERFORMANCE METRICS
Thank you.

June 14, 2022
Agenda Item 6

Orange Memorial Park Stormwater Capture Project Completion
Orange Memorial Park
Storm Water Capture Project

Colma Creek Advisory Committee Meeting

June 14, 2022
**GOALS**

- **DIVERT** flows from Colma Creek for treatment, beneficial reuse, and local flood reduction

- **CLEAN** contaminants from creek per MRP requirements using green infrastructure (settling, infiltration, reuse)
  - Mercury
  - PCB's
  - Trash

- **REUSE** treated water for irrigation, water trucks, and groundwater recharge
Project Configuration
ESTIMATED BENEFITS

- Water quality treatment provided to tributary watershed area
- 640 acre-feet of water diverted and cleaned annually
- 15 MG of potable water offset per year
- 240 acre-feet of groundwater recharge annually
- 10 grams of PCBs removed annually
- 30 grams of mercury removed annually
Groundbreaking ceremony

Pretreatment structure

Ultrafiltration system

Underground storage excavation

Underground storage module assembly
Underground storage module assembly
Concrete at Grit Chamber
Instream Water Diversion at Grit Chamber
Concrete Forms at Flow Splitter
Sawcut at Sluice Gate
Regulatory Environment
Municipal Regional Permit (MRP) 3.0

GSI Retrofit Requirements

- Each Permittee “shall implement, or cause to be implemented” green stormwater infrastructure (GSI) based on population.
- Table H-1 in the MRP shows the “greened acres” requirement by city and countywide.

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<tr>
<th>Permittee</th>
<th>2019 US Census Bureau Population Estimate</th>
<th>MRP 3 GSI Retrofit Assignment (acres)</th>
<th>% of Total</th>
<th>County Total (acres)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Atherton</td>
<td>7,137</td>
<td>0.43</td>
<td>1.0%</td>
<td></td>
</tr>
<tr>
<td>Belmont</td>
<td>26,941</td>
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<td>3.7%</td>
<td></td>
</tr>
<tr>
<td>Brisbane</td>
<td>4,671</td>
<td>0.28</td>
<td>0.6%</td>
<td></td>
</tr>
<tr>
<td>Burlingame</td>
<td>30,889</td>
<td>1.85</td>
<td>4.3%</td>
<td></td>
</tr>
<tr>
<td>Colma</td>
<td>1,489</td>
<td>0.20</td>
<td>0.5%</td>
<td></td>
</tr>
<tr>
<td>Daly City</td>
<td>106,280</td>
<td>5.00</td>
<td>11.5%</td>
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</tr>
<tr>
<td>East Palo Alto</td>
<td>29,314</td>
<td>1.76</td>
<td>4.1%</td>
<td></td>
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<tr>
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<td>33,901</td>
<td>2.03</td>
<td>4.7%</td>
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<td>Half Moon Bay</td>
<td>12,932</td>
<td>0.78</td>
<td>1.8%</td>
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</tr>
<tr>
<td>Hillsborough</td>
<td>11,387</td>
<td>0.68</td>
<td>1.6%</td>
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<td>34,698</td>
<td>2.08</td>
<td>4.8%</td>
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<tr>
<td>Millbrae</td>
<td>22,394</td>
<td>1.34</td>
<td>3.1%</td>
<td></td>
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<tr>
<td>Pacifica</td>
<td>38,546</td>
<td>2.31</td>
<td>5.3%</td>
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<tr>
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<td>42,807</td>
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<tr>
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<td>30,185</td>
<td>1.81</td>
<td>4.2%</td>
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<td>San Mateo</td>
<td>104,430</td>
<td>5.00</td>
<td>11.5%</td>
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<td>San Mateo County</td>
<td>64,832</td>
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<td>9.0%</td>
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<tr>
<td>South San Francisco</td>
<td>67,789</td>
<td>4.07</td>
<td>9.4%</td>
<td></td>
</tr>
<tr>
<td>Woodside</td>
<td>5,458</td>
<td>0.33</td>
<td>0.8%</td>
<td></td>
</tr>
</tbody>
</table>

Table H-1 from the Tentative Order

43.30
“The Permittees may meet the numeric retrofit requirements listed in Table H-1 of Attachment H on a countywide basis... a Permittee may contribute substantially to such a green infrastructure project(s) outside of its jurisdiction and within its County.”
**Individual**

Each Permittee is responsible for individually achieving the target load reduction.

**Collaborative**

Optimization approach reduces total implementation cost by targeting specific source areas across jurisdictional boundaries.

Total Cost (Proportional)

\[ \sum_{k=0}^{n} \text{Cost}_k \gg \text{Total Cost}_{\text{Targeted}} \]
“Average cost savings of approximately 60% to 75% per acre greened.”
“When there is significant need for water quality improvements, a demanding compliance timeline, and substantial costs associated with traditional compliance, ... legal instruments like MOUs can be used to allow exchanges that are recognized by regulatory agencies as acceptable for compliance.”
Post-Construction O&M and Monitoring
Operations & Maintenance

Project Elements

- Instream Diversion
- Grit/Trash Chamber
- Flow Splitter
- Cistern & Infiltration Gallery
- Water Quality Treatment Shed
Operations & Maintenance

Project Elements

- Instream Diversion
- Grit/Trash Chamber
- Flow Splitter
- Cistern & Infiltration Gallery
- Water Quality Treatment Shed
Operations & Maintenance

Project Elements

- Instream Diversion
- Grit/Trash Chamber
- Diversion Pipe
- Cistern & Infiltration Gallery
- Water Quality Treatment Shed
Operations & Maintenance

Project Elements

- Instream Diversion
- Grit/Trash Chamber
- Flow Splitter
- Cistern & Infiltration Gallery
- Water Quality Treatment Shed
Operations & Maintenance

Project Elements

- Instream Diversion
- Grit/Trash Chamber
- Flow Splitter
- Cistern & Infiltration Gallery
- Water Quality Treatment Shed
Operations & Maintenance

Project Elements

- Instream Diversion
- Grit/Trash Chamber
- Flow Splitter
- Cistern & Infiltration Gallery
- Water Quality Treatment Building
## Operations & Maintenance Estimates

<table>
<thead>
<tr>
<th>Element</th>
<th>Frequency</th>
<th>Intensity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instream Diversion</td>
<td>Monthly</td>
<td>Low</td>
</tr>
<tr>
<td>Grit/Trash Chamber</td>
<td>2 per year</td>
<td>High</td>
</tr>
<tr>
<td>Flow Splitter</td>
<td>After large storms</td>
<td>Low</td>
</tr>
<tr>
<td>Cistern</td>
<td>1 per 3-5 years</td>
<td>High</td>
</tr>
<tr>
<td>Infiltration Gallery</td>
<td>1 per 10+ years</td>
<td>High</td>
</tr>
<tr>
<td>Water Reuse System</td>
<td>Daily</td>
<td>Low</td>
</tr>
</tbody>
</table>
Permit Requirements for Monitoring

- Established primarily by the 401 Permit and Waste Discharge Requirements administered by the Bay Area Regional Water Board
  - **Water Quality Compliance Monitoring** (many constituents)
  - **Performance Monitoring** (PCB and Hg removal)
  - **Flow Monitoring** (water balance with fate of treated waters)
- The water reuse system is regulated by the City itself
  - **Water Reuse System Commissioning**
Annual post-construction costs are expected to be in the range of $300,000 to $500,000.
Collaborative Compliance
Individual compliance would result in smaller-scale green street and LID retrofit projects, which typically cost $400-$800K per impervious acre managed, roughly 10X more than regional projects.

<table>
<thead>
<tr>
<th>Permittee</th>
<th>MRP 3 GSI Retrofit Assignment (acres)</th>
<th>5-year Cost of Individual Compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Atherton</td>
<td>0.43</td>
<td>$258,000</td>
</tr>
<tr>
<td>Belmont</td>
<td>1.62</td>
<td>$972,000</td>
</tr>
<tr>
<td>Brisbane</td>
<td>0.28</td>
<td>$168,000</td>
</tr>
<tr>
<td>Burlingame</td>
<td>1.85</td>
<td>$1,110,000</td>
</tr>
<tr>
<td>Colma</td>
<td>0.20</td>
<td>$120,000</td>
</tr>
<tr>
<td>Daly City</td>
<td>5.00</td>
<td>$3,000,000</td>
</tr>
<tr>
<td>East Palo Alto</td>
<td>1.76</td>
<td>$1,056,000</td>
</tr>
<tr>
<td>Foster City</td>
<td>2.03</td>
<td>$1,218,000</td>
</tr>
<tr>
<td>Half Moon Bay</td>
<td>0.78</td>
<td>$468,000</td>
</tr>
<tr>
<td>Hillsborough</td>
<td>0.68</td>
<td>$408,000</td>
</tr>
<tr>
<td>Menlo Park</td>
<td>2.08</td>
<td>$1,248,000</td>
</tr>
<tr>
<td>Millbrae</td>
<td>1.34</td>
<td>$804,000</td>
</tr>
<tr>
<td>Pacifica</td>
<td>2.31</td>
<td>$1,386,000</td>
</tr>
<tr>
<td>Portola Valley</td>
<td>0.27</td>
<td>$162,000</td>
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<tr>
<td>Redwood City</td>
<td>5.00</td>
<td>$3,000,000</td>
</tr>
<tr>
<td>San Bruno</td>
<td>2.57</td>
<td>$1,542,000</td>
</tr>
<tr>
<td>San Carlos</td>
<td>1.81</td>
<td>$1,086,000</td>
</tr>
<tr>
<td>San Mateo</td>
<td>5.00</td>
<td>$3,000,000</td>
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<tr>
<td>San Mateo County</td>
<td>3.89</td>
<td>$2,334,000</td>
</tr>
<tr>
<td>South San Francisco</td>
<td>4.07</td>
<td>$2,442,000</td>
</tr>
<tr>
<td>Woodside</td>
<td>0.33</td>
<td>$198,000</td>
</tr>
</tbody>
</table>

* Assumes $600K per greened acre
Collaborative Compliance

Collaborative compliance would result in much less expensive contributions for O&M of the Orange Memorial Park project.

<table>
<thead>
<tr>
<th>Permittee</th>
<th>MRP 3 GSI Retrofit Assignment (acres)</th>
<th>5-year Cost of Collaborative Compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Atherton</td>
<td>0.43</td>
<td>$20,000</td>
</tr>
<tr>
<td>Belmont</td>
<td>1.62</td>
<td>$75,000</td>
</tr>
<tr>
<td>Brisbane</td>
<td>0.28</td>
<td>$13,000</td>
</tr>
<tr>
<td>Burlingame</td>
<td>1.85</td>
<td>$85,000</td>
</tr>
<tr>
<td>Colma</td>
<td>0.20</td>
<td>$9,000</td>
</tr>
<tr>
<td>Daly City</td>
<td>5.00</td>
<td>$231,000</td>
</tr>
<tr>
<td>East Palo Alto</td>
<td>1.76</td>
<td>$81,000</td>
</tr>
<tr>
<td>Foster City</td>
<td>2.03</td>
<td>$94,000</td>
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<tr>
<td>Half Moon Bay</td>
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<td>Hillsborough</td>
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<td>$31,000</td>
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<td>Menlo Park</td>
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<td>$96,000</td>
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<td>Millbrae</td>
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<td>Pacifica</td>
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<td>Portola Valley</td>
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<td>$12,000</td>
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<td>Redwood City</td>
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<td>$231,000</td>
</tr>
<tr>
<td>San Bruno</td>
<td>2.57</td>
<td>$119,000</td>
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<tr>
<td>San Carlos</td>
<td>1.81</td>
<td>$84,000</td>
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<tr>
<td>San Mateo</td>
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<tr>
<td>Woodside</td>
<td>0.33</td>
<td>$15,000</td>
</tr>
</tbody>
</table>

* Assumes $400K in annual post-construction costs
The City of South San Francisco, OneShoreline, and C/CAG are discussing an agreement between all Permittees to provide O&M funding for the Orange Memorial Park project in exchange for credits toward meeting the countywide GSI retrofit requirements in MRP 3.0.
Thank you!
NEXT MEETING:
Tuesday, September 13, 2022
3:00 p.m.