



BUCHANAN STREET MALL

Green Infrastructure

Outreach and Training Session | July 2021



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TODAY'S AGENDA

- Introduction to SFPUC
- San Francisco Watersheds & Green Infrastructure
- Q&A
- Buchanan Street Mall Rain Gardens
- Q&A



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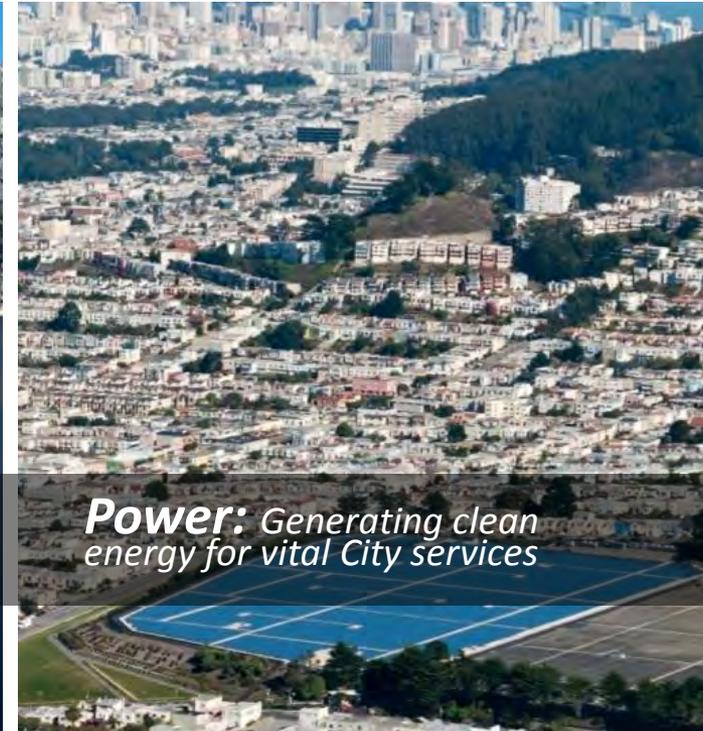
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SAN FRANCISCO PUBLIC UTILITIES COMMISSION



Water: Delivering high quality water every day



Power: Generating clean energy for vital City services



Sewer: Protecting public health and the environment



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ENVIRONMENTAL JUSTICE & COMMUNITY BENEFITS POLICIES

- Throughout its history, the San Francisco Public Utilities Commission (SFPUC) has strived to be a good neighbor and environmental steward in the communities where it provides high-quality water, power, and sewer services.
- The SFPUC is the first public utility in the nation to adopt Environmental Justice¹ and Community Benefits Policies², and it is committed to working closely with communities in the neighborhoods most impacted by its operations.
- The SFPUC's Community Benefits Policy manages community investments with programs that span workforce development, education, art, environmental justice/land use, neighborhood partnerships, and small business opportunities³.

1 (San Francisco Public Utilities Commission, 2009)

2 (San Francisco Public Utilities Commission, 2011)

3 (San Francisco Public Utilities Commission, n.d.)



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SAN FRANCISCO'S URBAN WATERSHEDS



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EVERY YEAR, OVER 10 BILLION
GALLONS OF RAIN FALLS ON OUR CITY



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SAN FRANCISCO'S NATURAL LANDSCAPE



Historic Water Features:

Creeks

Tidal Marsh

Lakes

Wetlands

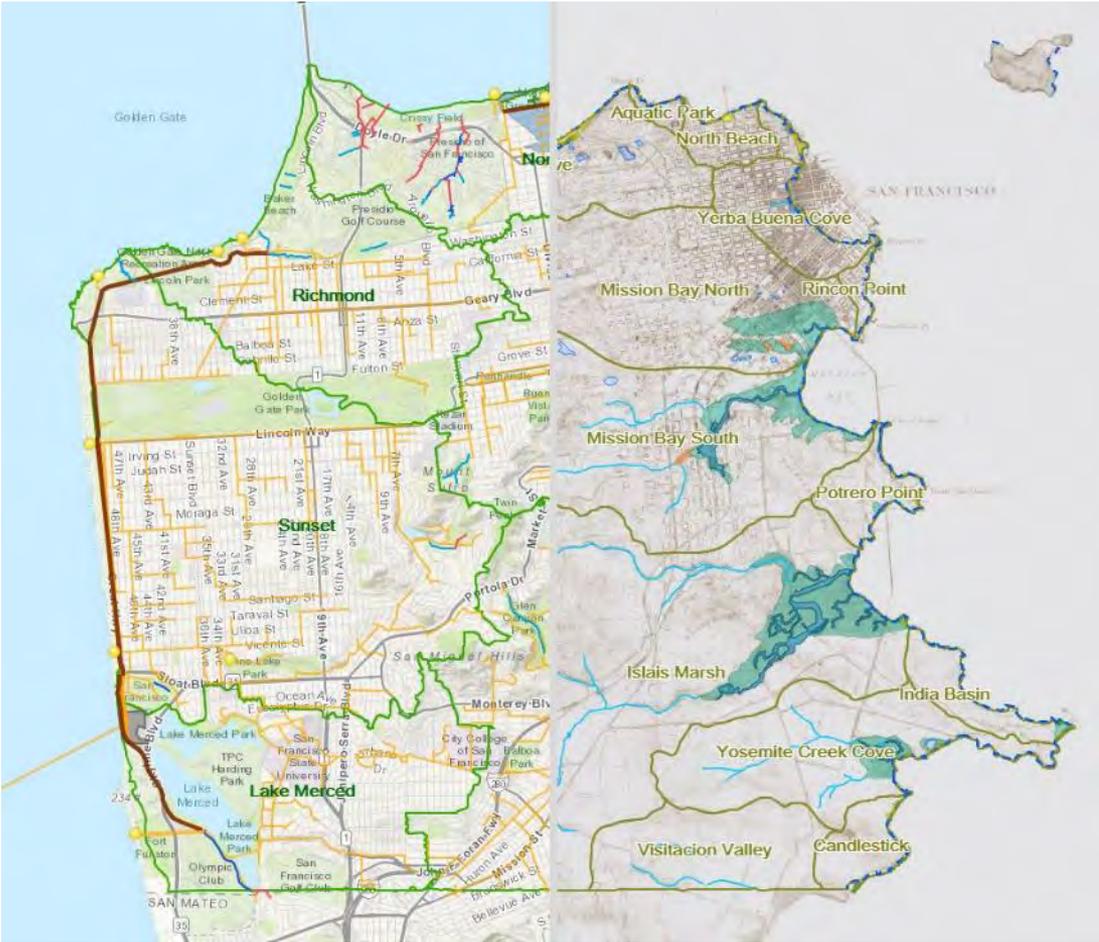


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DISCOVER YOUR WATERSHED TODAY!



www.sfwater.org/sfwatersheds



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WHAT IS A WATERSHED?

A watershed is an area of land where rainfall collects and drains off to a shared body of water.



Buchanan Street Mall

Channel Watershed



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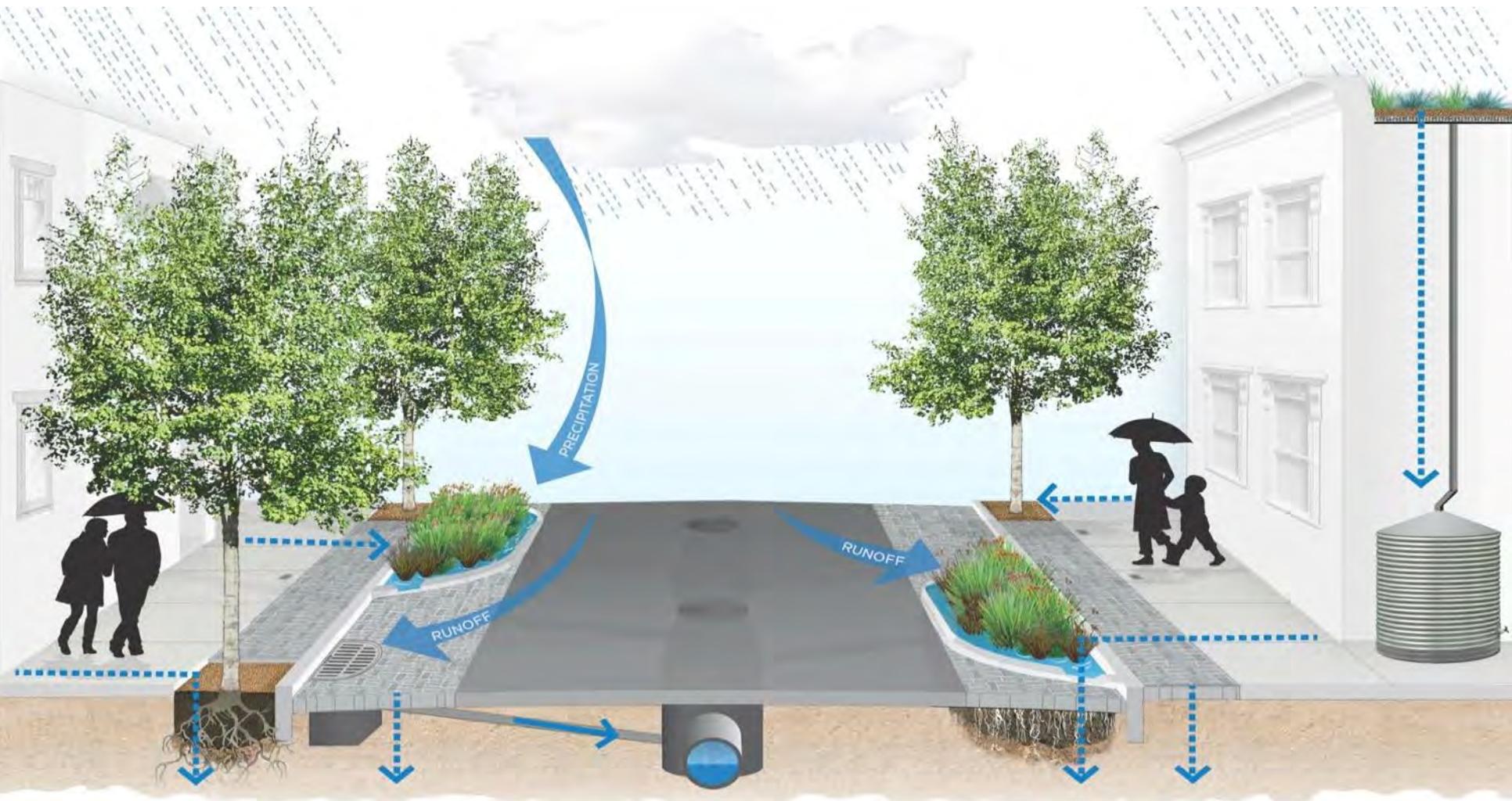


GREEN STORMWATER INFRASTRUCTURE



WHAT IS GREEN INFRASTRUCTURE?

Green Infrastructure is a set of engineered, sustainable stormwater management tools that slow down, clean, and route stormwater to keep it from overwhelming the City's sewer system.



RESTORING NATURAL SYSTEMS

How do we make this...



...work like this?



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GREEN INFRASTRUCTURE IN SAN FRANCISCO



Vis Valley Green Nodes, SF



Holloway Avenue, SF



Mission-Valencia Streets, SF



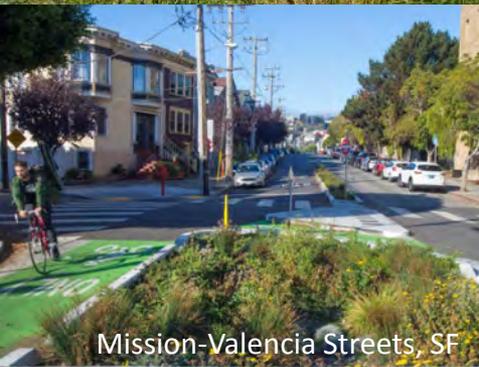
Mission-Valencia Streets, SF



Fell and Broderick Streets, SF



Sunset Blvd, SF



Mission-Valencia Streets, SF



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Questions?

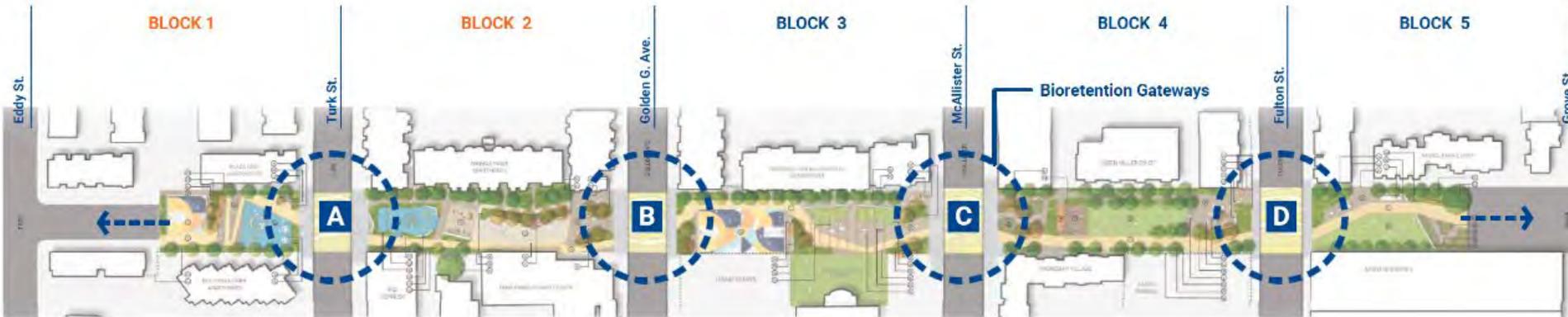


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BUCHANAN STREET MALL OPPORTUNITIES



Source: Buchanan St Mall Concept Plan by OCB 2019/2020

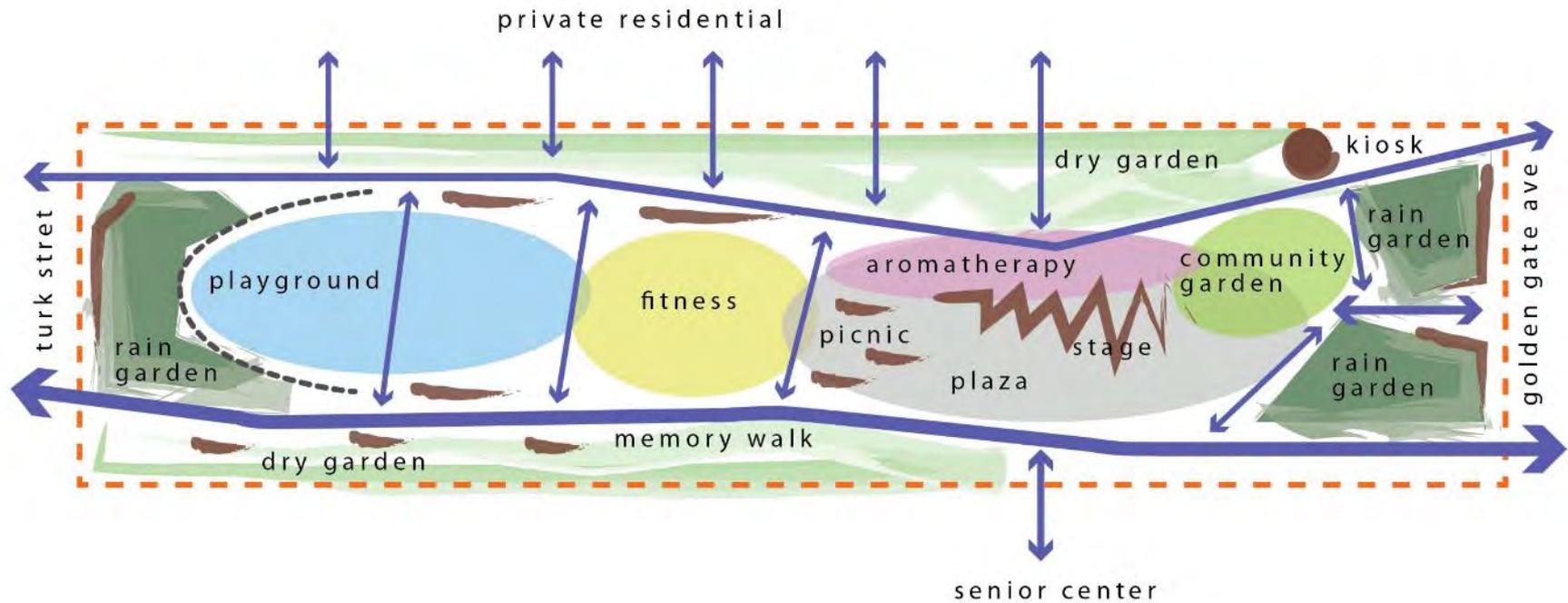


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BUCHANAN STREET MALL OPPORTUNITIES



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EXAMPLE PHOTOS



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RAIN GARDEN CONCEPT AND WATER CONVEYANCE

Stormwater flows downhill into garden from surrounding area.

Stormwater is piped from the street to the garden.



Plants filter water and enhance streetscape. Water filters through soil.

Example trench drain



Sunset Blvd, SF



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EXAMPLE PHOTOS

Tåsinge Plads, Copenhagen, Denmark



Image courtesy of [Landscape Interface Studio](#)



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EXAMPLE PHOTOS

Tanner Springs Park,
Portland, OR



Image courtesy of [Dreisettl](#)

Bridget Joyce Square
London, UK



Chester Arthur School.
Philadelphia, PA



Image courtesy of [Robert Bray Associates](#)

Questions?

DISCUSSION

- Who should be involved in design process moving forward?
- What are the co-benefits that are most important to this community (work force development, etc.)?
- Are there additional resources or materials that SFPUC can provide that would be helpful for community engagement?



Thank You!



San Francisco
**Water
Power
Sewer**

Services of the San Francisco
Public Utilities Commission

Back up slides



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Rain Guardians

- Community of volunteers who help keep rain gardens free of trash and debris
- Explore the interactive map on the website and adopt a garden in your neighborhood
- SFPUC provides tools to clean your garden



www.rainguardians.org

