



STREET TREE MANAGEMENT & CANOPY GROWTH

San Francisco Board of
Supervisors
November 14, 2019





**The program to care for
San Francisco's 125,000+
street trees and to repair
sidewalks damaged by tree roots.**

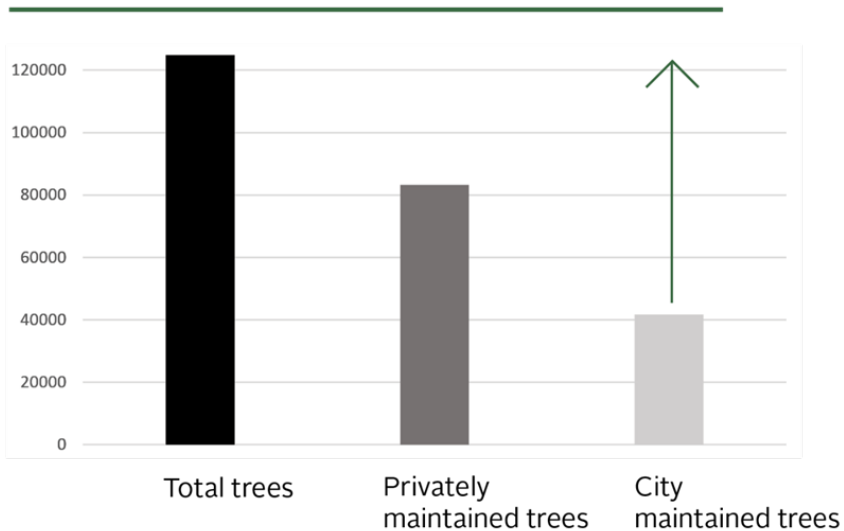
An aerial photograph of a city, likely San Francisco, with a green tint. The image shows a mix of urban buildings, trees, and a street with a truck. The text "A Brief History of Urban Forest Policy" is overlaid in the center.

A Brief History of Urban Forest Policy

Prior to **StreetTreeSF** property owners were responsible for maintaining the majority of street trees.

124,847

San Francisco Street Trees







Unintended
Consequences
of Success



Polk and Vallejo



STREET TREE REMOVALS

- **3,500+ trees removed**
(unhealthy/structurally unsound)
- **Neighborhood impacts**
- **Need for replacement plantings**



San Francisco already has one of the smallest tree canopies of any major U.S. City.



13.7%
San Francisco



17%
Chicago



21%
Los Angeles



23%
Seattle



24%
New York City



30%
Portland



Planting +
Canopy Growth
Strategy

URBAN FOREST PLAN (2015)



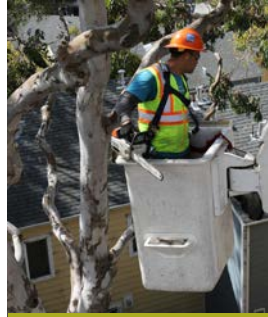
GROW

to maximize the social, economic and environmental benefits of trees and urban greening



PROTECT

from threats and loss by preserving the City's existing trees



MANAGE

through coordinated planning, design and maintenance to ensure health and sustainability



FUND

by establishing a long-term funding strategy for the City's trees



ENGAGE

community in caring for the urban forest and deepening their connection to nature

ENVIRONMENTAL SERVICES + BENEFITS



174,392,130 *lbs*

CO2 stored in the City's street trees



106,568,660 *gallons*

Gallons of stormwater diverted from sewer system annually



36,270 *lbs*

Pounds of atmospheric pollutants removed annually



8,530 *mw hrs*

Megawatt hours reduced annually

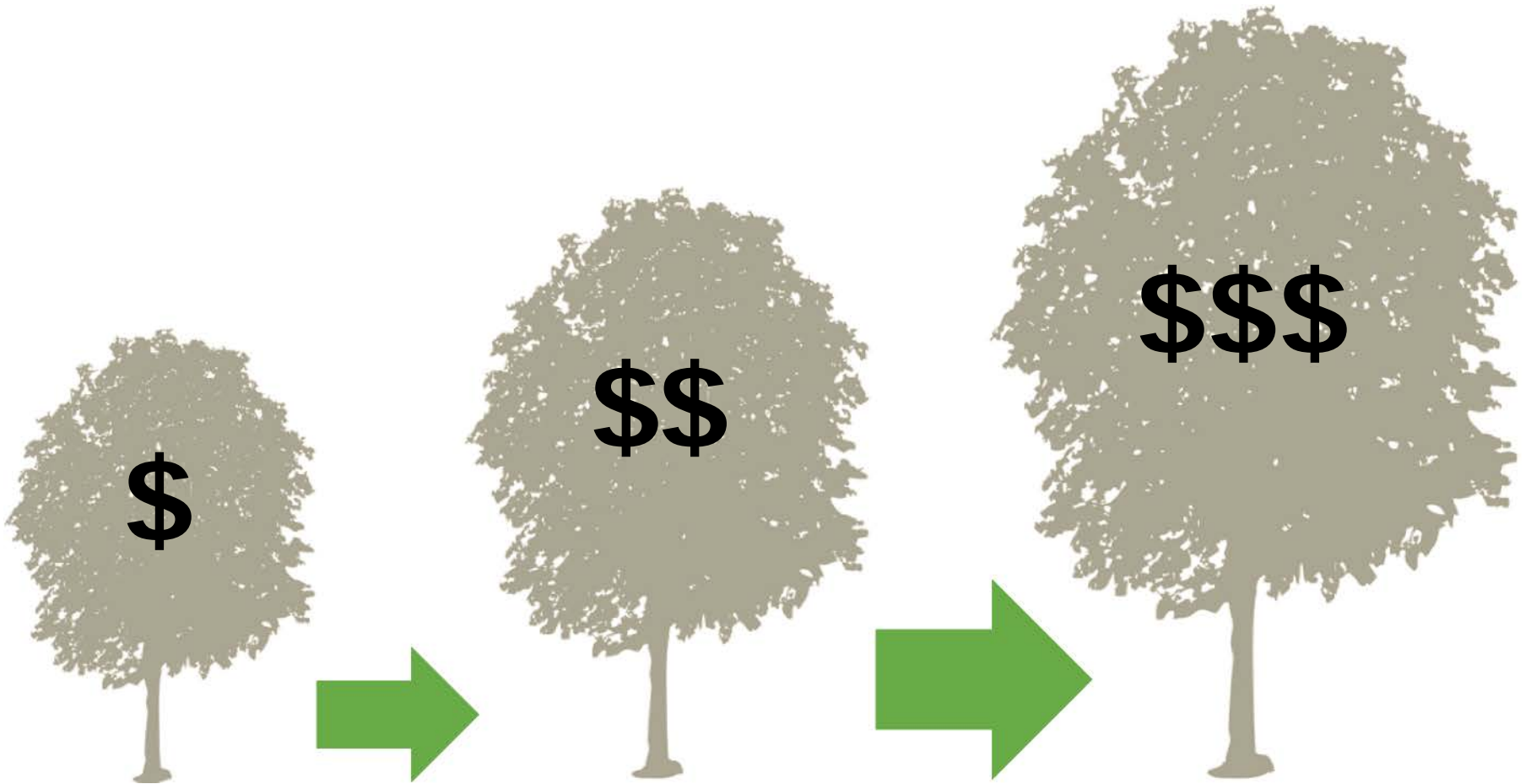
173,250 *therms*

Therms reduced annually

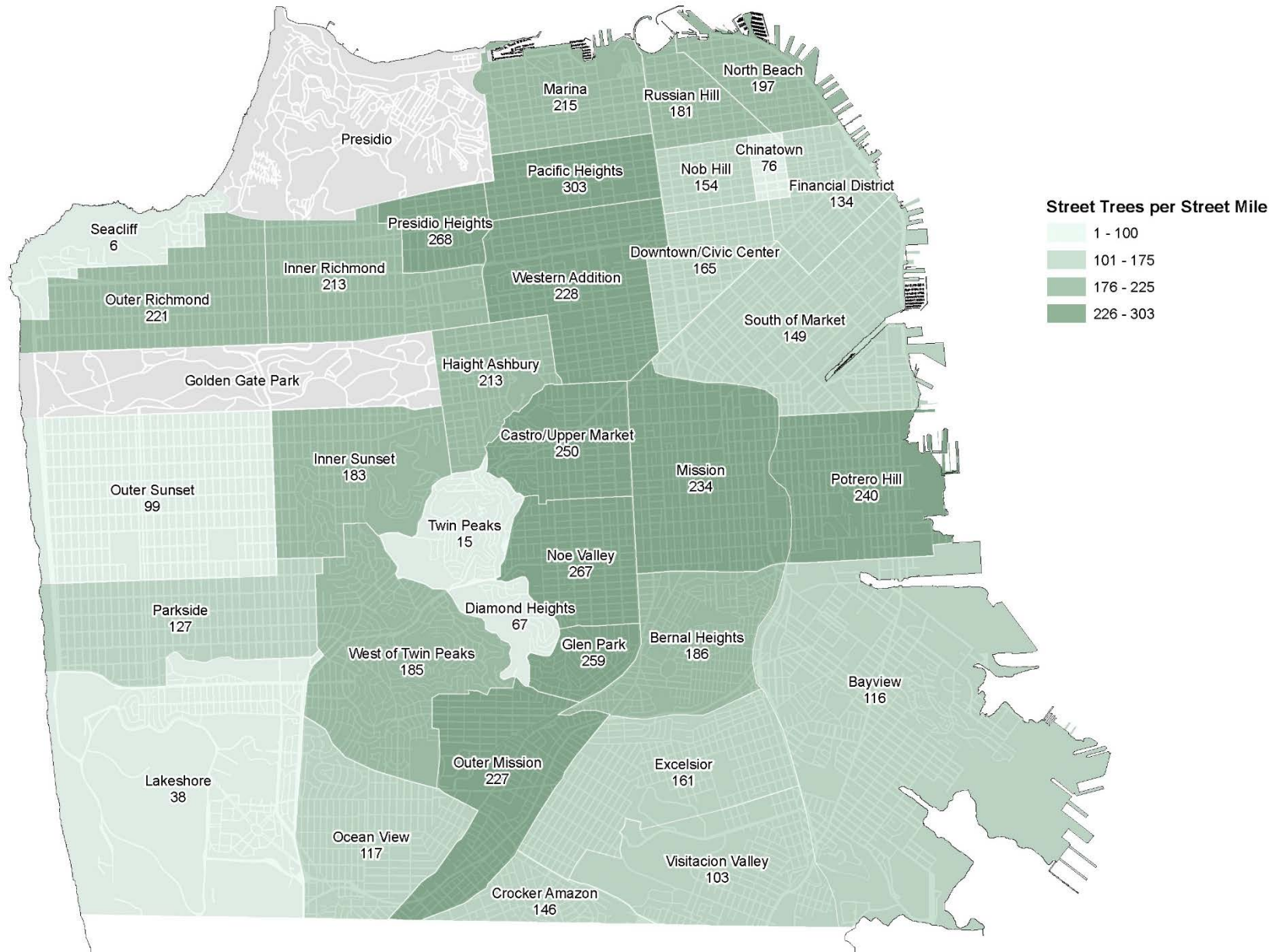
Source: Street Tree Census I-Tree Streets Analysis (SF Environment 2017)

A CAPITAL ASSET

Only piece of infrastructure that **INCREASES** in value over time
= **MORE BENEFITS**

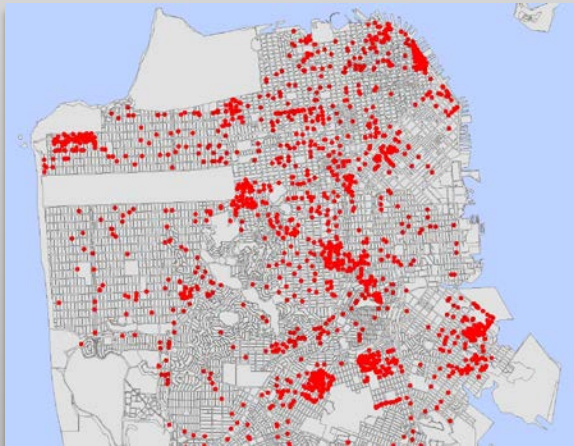


UNEQUAL DISTRIBUTION OF STREET TREES

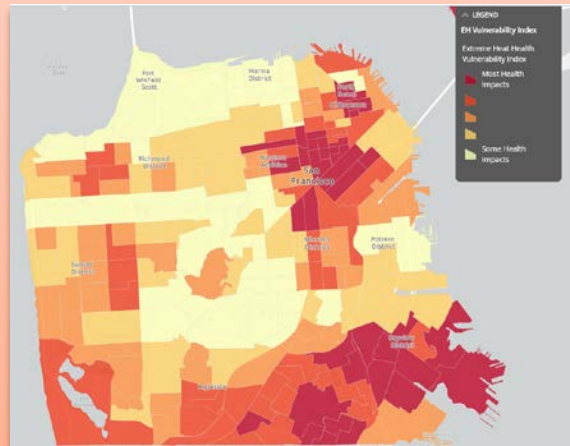


PLANTING PRIORITIES

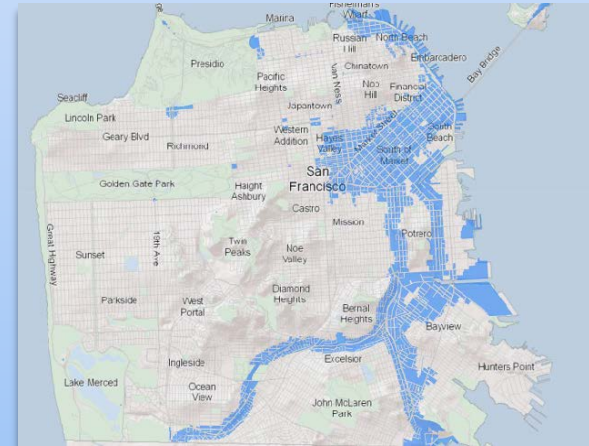
**Tree
Removal
locations**



**In areas with
extreme heat
vulnerability**



**In areas with
air pollution
exposure**



A group of people, including children and adults, are participating in a tree-planting activity on a sidewalk. They are wearing high-visibility safety vests and using tools like shovels and hand saws. One person is holding a large tree sapling. The scene is overlaid with a green tint. In the background, a white van with the number 45000078 is visible.

Funding + Community Partners

PLANTING + WATERING NEEDS



COST TO PLANT ONE TREE

\$500



COST TO WATER ONE TREE

\$1,500

For 3 years until established



PLANT 50,000 NEW TREES

\$100,000,000

For new trees over 20 years

TREE WATERING



1,182 trees
per week

61,464 visits
per year

Contractors

1,782 trees
per week

92,664 visits
per year

***154,128 Total watering
visits per year***

FY 2018/19 FUNDING

- **NEW TREES: \$1M**
- **REPLACEMENT TREES: \$5.7M**



NONPROFIT PARTNERS

- Friends of the Urban Forest
- Climate Action Now!



NEW SOURCES + TOOLS

- New funding strategies
- RFQ for improved data management



San Francisco Public Works

Maintains, removes AND
plants and **establishes** street trees

Thank you!

Questions?

