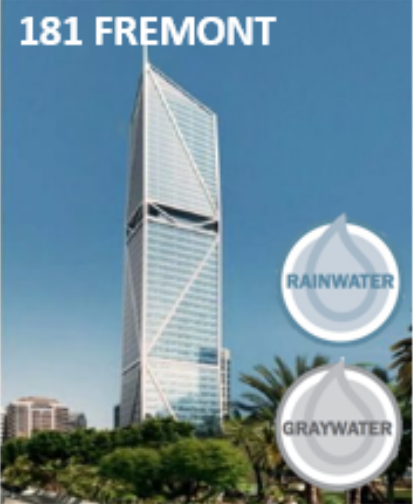


San Francisco's Approach to Recycled Water

- Centralized and Decentralized Scale
- Non-potable and Potable End Uses
- Commercial, Industrial and Residential Applications
- Private Sector, SFPUC, and Regional Partnerships Implementation



Onsite, Decentralized Systems Integrated with Centralized Infrastructure



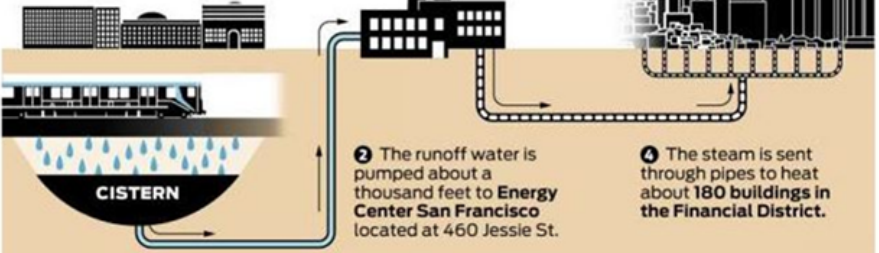
Turning waste water into steam

1 About 30 million gallons of runoff water is collected annually under the Powell Street BART Station.

3 The water is filtered, purified and boiled into steam.

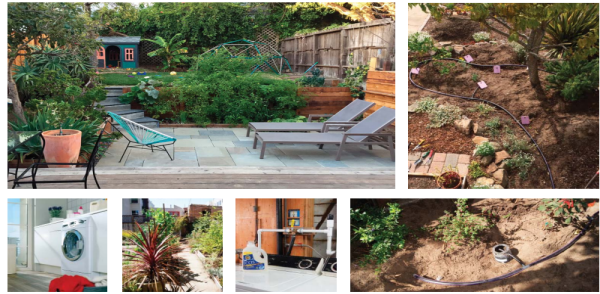
2 The runoff water is pumped about a thousand feet to Energy Center San Francisco located at 460 Jessie St.

4 The steam is sent through pipes to heat about 180 buildings in the Financial District.



Source: Chronicle reporting

John Blanchard / The Chronicle



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for OUTDOOR IRRIGATION

Why Various Recycled Strategies?

- OneWater- Fit for Purpose
- Water Use Efficiency
- Educate + Engage
- Public Acceptance
- Meet the Needs of the Community
- Need for Multiple Solutions



Integrated Recycled Water Strategy



- Westside: 2 mgd of non-potable water demand
 - Irrigation of parks and golf courses
 - Recycled water from municipal facilities
- Eastside: 2 mgd of non-potable water demand
 - Toilet flushing and irrigation
 - Onsite water treatment systems
- Outcomes:
 - 82% of recreation and parks department irrigated with recycled water
 - 5 of 6 SF golf courses irrigated with recycled water
 - Onsite treatment systems reduce residential per capita to approximately 27 gpcd