

Repurposing Fog and Rainwater



Description:

The Fog Catcher was created to help reduce potable (drinking) water usage by condensing fog and storing it for future use. On the Tiny Home, the Fog Catcher is paired with two gutters that help catch and store rainwater to be used in the garden. With San Francisco's 108 fog days and 68 rainy days, the Fog Catcher and gutters are a great way to help save water. Currently, the cheapest way to get your own Fog Catcher is to handmake it, as they cost upwards of \$500 on the market.

Budget:

Materials:

Labor:

Total:

Eco-Luxe

\$780

1-2 hours installation

\$780 + installation

DIY

\$200

4 hours building + installation

\$200 + 4 hours

Why This Matters

Currently, all the water used in San Francisco is clean, drinking water, even when it is not necessary. For things such as irrigation, using greywater, such as that in the water storage tank is just as effective and reduces water usage. The average person uses roughly 80-100 gallons of water a day, much of which goes to activities that do not necessitate clean water.

What Can I Do?

The ideal course of action would be installing your own, but realistically, not everyone is in the position to do this. If not, another viable option is researching what steps can be taken to obtain greywater, either from a roof or other source that would otherwise connect to the city's sewer lines.

The city can provide rebates to those that successfully prove they are harnessing greywater for their own use. An inspector can assess the disconnection of the drainpipe to the sewer and rebates can reach upwards of \$200.



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