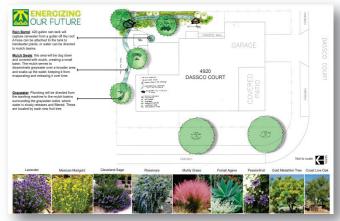






Conservation Home Makeovers Chollas Creek Watershed

Projection Completion: September 5, 2018



Promoting Environmental, Economic, and Social Well-Being through Community-Driven Action



Project Objectives

Design and build drought, pollution, food insecurity, and climate change response/resiliency in SE San Diego.

2



Outreach to Community



Installation
Rain Barrel/Gutters
Greywater Systems
Waterwise Landscape
Conservation Retrofit Devices

Education to Youth and Families





Outreach to Community

Encanto

(Disadvantaged/Underserved Community)

- Program Information sent to over 1,000 Neighbors and Influencers
 - Highlighted benefits to family on water conservation and "Home Makeover"
- 50 Families Enthusiastically Signed Up
 - ❖ Water Survey assessed present knowledge and educated on Topic
 - Conservation Ambassadors: Hosted walking tours, neighborhood coffee stop, and workshops to display results and benefits to others.





Installation

Rain Barrels

- ❖ 50 Systems
- ❖ 450 800 gallon sizes

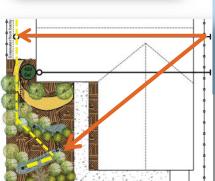












Installation

Greywater Systems

❖ 50 Systems

Greywater: Plumbing will be directed from the washing machine to the mulch basins surrounding the greywater outlet, where water is slowly released and filtered. These are located by each new fruit tree.





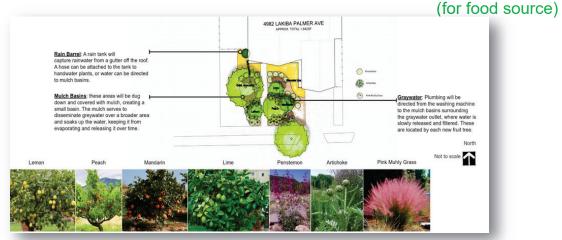




Installation

Waterwise Landscape

- Removed Impervious Surfaces
- ❖ Installed Drought-Tolerant Plants- Bushes, Trees, and Fruit Trees



Improved Groundwater, Erosion and GHG sequestration









Installation

Conservation Retrofit Devices

- **❖ Low Flush Toilets –** 40 units
- Low Flow Showerheads- 30 units
- **Faucet Aerators-** 33 units









Education to Youth and Families

- ❖ 882 Students- Trips to Earthlab and Homes
 ✓ Pre/Post Lesson Evaluations = Informed on Conservation
- Conservation Ambassador Activities
- Additional Outreach: NewsItrs, Social Media, Neighborhood Coffee Stops, Meetings and Presentations to Others





Value Added



Photovoltaics

- ▶6 Solar Installations Completed
 - No project funding used
 - ~\$550/year Est Savings per Home

Recognition

- > SD Regional Climate Collaborative (award nominee)
 - The Atlas Marketplace: Digital Showcase Best Practices in US

Forward Outreach

- > City of SD Sustainability Office & Public Utilities
 - Low Income Areas: Best Practices for Outreach and Incentives



Project By The Numbers

Program Item	Outcome	Notes
Grant Funds	\$542,000	94% Spent on Construction and Implementation
Water Captured Rain Barrels Downspout (Additional) Earthworks Capture	63,874 Gal 32,583 Gal 134,705 Gal	Amounts less than expected due to low rainfall in 2017/2018
Potable Water Savings Greywater Systems Low-Flow Plumbing	382,200 Gal 732,426 Gal	Based on average use of washing machine (greywater), toilets (127,986 gal), shower heads (513,920 gal), aerators (90,520 gal).
CO2 Sequestration	96,894 lbs	Based on 30 years by trees planted
Impervious Surfaces Removed	66,941 sq ft	Stormwater runoff captured, improving groundwater and erosion control



Thank You For Supporting Change

