

# Cool Fixes for Hot Cities

## Part 1: San Antonio

August 1, 2018

Hosted by:

U.S. EPA Heat Island Reduction Program



# San Antonio's Under 1 Roof Program

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# San Antonio Under 1 Roof

Residential Roof Repair Program

**EPA's Heat Island Webcast Series  
Cool Fixes for Hot Cities  
Part 1: San Antonio**

August 1, 2018



**District 1  
Councilman Roberto Treviño**



**Barbara Ankamah Burford  
Neighborhood Engagement  
Administrator**

# Program Objectives



Maintain home integrity by addressing roofing needs



Improve energy efficiency and reduce utility bills

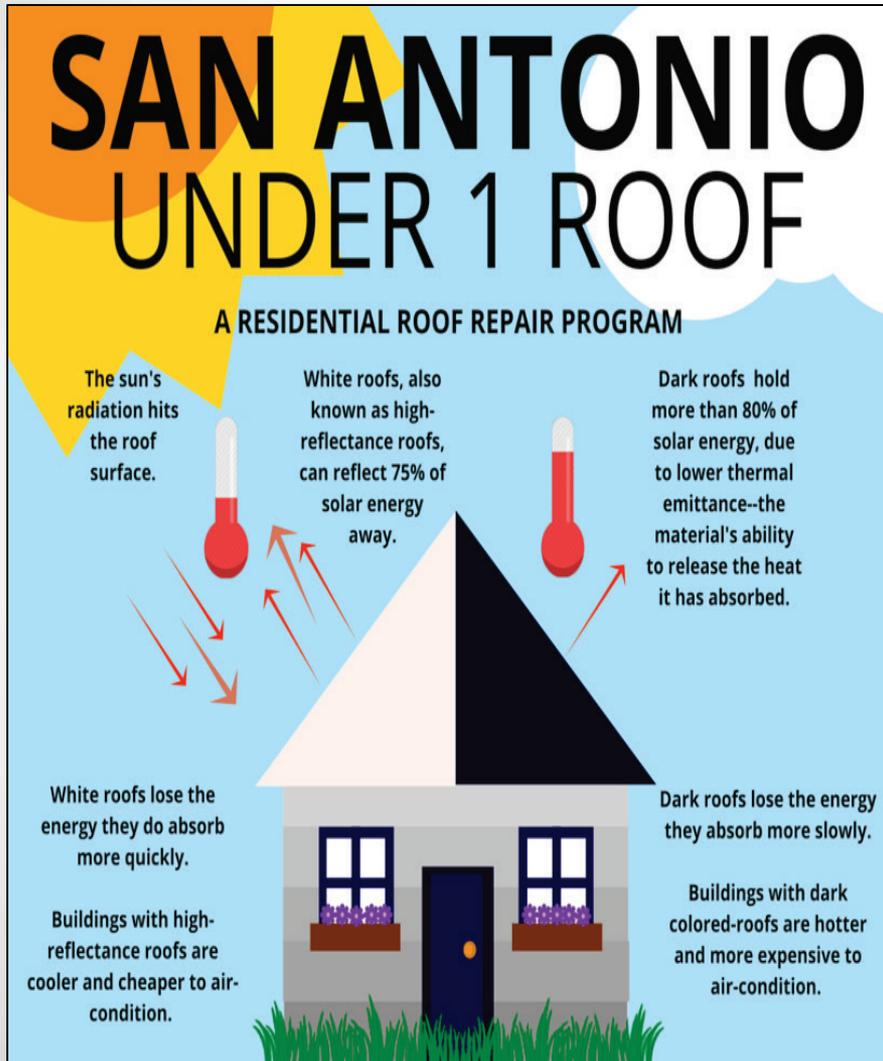


Demonstrate benefits of cool roofs to builders and residents



\$2.25 Million budgeted for Fiscal Year (FY) 2018 for the Program

# Program Benefits



- **Maintain home structure and stability**
- **Improve Indoor Comfort**
- **Reduce Overall Attic Temperature**
- **Decrease Roof Maintenance**
- **Energy Savings**

# Program Application



**CITY OF SAN ANTONIO**  
**Neighborhood and Housing Services Department**  
**1400 S. Flores, San Antonio TX 78204**  
**210-207-6459 or 207-5403**

## PROGRAM ELIGIBILITY REQUIREMENTS

- Property located in District 1, 2, 3, 4, 5
- Property taxes must be current
- Provide valid picture identification and/or driver's license
- Be a US citizen or Legal Resident
- Must not have filed an insurance claim in the last 5 years for roof
- Must meet HUD 2017 Income Limits established income guidelines which cannot exceed 80% of the Area Median Income (AMI) as follows:

Family Size	1	2	3	4	5	6	7	8
Annual Income	35,600	40,650	45,750	50,800	54,900	58,950	63,000	67,100

## PROPERTY GUIDELINES

- Property must be owner occupied (No Rental Units)
- Structure must be less than 1500 sq. ft. (No Metal Roofs)
- Home must be designated a Homestead with the Bexar Co. Appraisal District
- Project Scope: Roof repair or replacement to include roof flashing and minor repairs related to the roof will be addressed.

## APPLICATION CHECKLIST

Complete applications **MUST** contain the following information:

- Complete & sign "**Under 1 Roof Program**" application
- Copy of Warranty Deed
- Copy of Property Insurance if available
- Current Picture ID or Driver's License
- Pay stubs for the last (3) months for all occupants in household
  - o If self-employed: copy of Income Tax Return for past two years
- Award Letter from Social Security, Retirement Benefits, Child Support or any other public assistance, provide documentation from the supportive agency stating the current amount being received or awarded

**"Under 1 Roof" Residential Roof Repair Program Application**  
 Program funds available for Districts 1 through 5 only

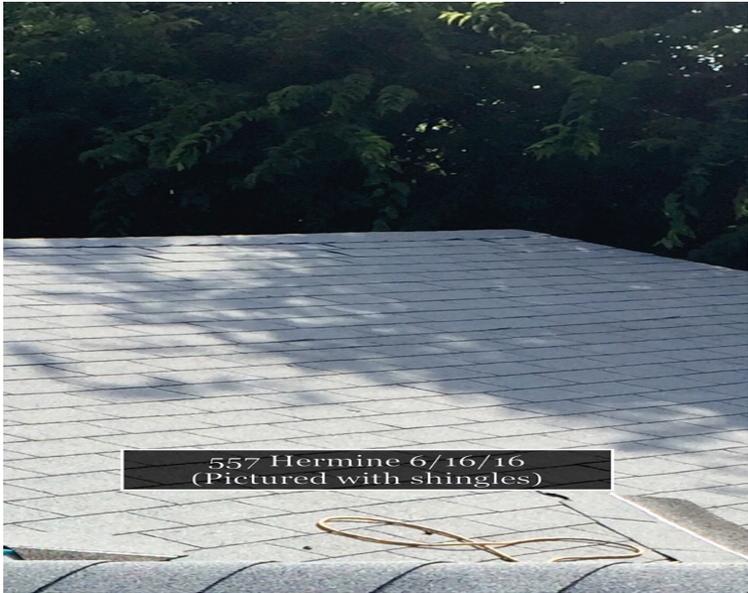


# Roofing Materials

- Solarhide Underlayment
- Shasta White Shingle



# Roof Demolition and Construction





# FY 2018 Timeline

1<sup>st</sup> & 2<sup>nd</sup> Quarters

Qualify  
Applicants

3<sup>rd</sup> Quarter

Roof  
Replacement (85  
roofs completed)

Roof  
Replacement (42  
roofs completed)

4<sup>th</sup> Quarter

Roof Replacement  
(5 roofs completed  
to date)

**\*University of Texas at San Antonio will perform before/after monitoring to gauge success.**

# Program Challenges



Initial disbelief from residents that the program would provide a cool roof free of charge



Residents were uncertain if they would see a reduction in their energy bills



The program being restricted to certain City Council Districts due to funding allocations



Administratively adjusting to the increased amount of funding allocated to the program

# Program Results



To date, 175 energy efficient roofs have been installed



A total of \$2.95 Million has been allocated to the program since October 2015



The average reduction in Energy Use Intensity (EUI) is 7.3% as a result of the cool roof installation

# Before and After Pictures

1000 Block of W. Thorain



Before



After

900 Block of W. Hermine



Before



After



# Under 1 Roof

Residential Roof Repair Program

## District 1

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# Connect with the Heat Island Program

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