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
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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

Under 1 Roof
Residential Roof Repair Program

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:

<table>
<thead>
<tr>
<th>Family Size</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annual Income</td>
<td>35,600</td>
<td>40,650</td>
<td>45,750</td>
<td>50,800</td>
<td>54,900</td>
<td>58,950</td>
<td>63,000</td>
<td>67,100</td>
</tr>
</tbody>
</table>

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
  ☐ 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

Revised on 9/27/2017
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Under 1 Roof Program
Roofing Materials

• Solarhide Underlayment  • Shasta White Shingle
Roof Demolition and Construction

557 W. Hermine - 6/15/16
(Roof pictured while crew applying Solar Hide under layment)

557 Hermine 6/16/16
(Pictured with shingles)
FY 2018 Timeline

1st & 2nd Quarters

Qualify Applicants

Roof Replacement (85 roofs completed)

3rd Quarter

Roof Replacement (42 roofs completed)

4th 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
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Connect with the Heat Island Program

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U.S. Environmental Protection Agency
202-343-9291

Webcast Feedback Form

Heat Island Program Website

EPA Heat Island Newsletter Sign-Up