



Under 1 Roof

Residential Roof Repair Program

Goal

Replace failing roofs for up to 20 disadvantaged homeowners with an energy-efficient white roof to address life/ safety issues and improve health outcomes, improve energy efficiency and reduce utility bills, and demonstrate benefits of cool roofs to builders and residents

Summary

- Under 1 Roof is a needs-based grant program for homeowners in select District 1 neighborhoods: Central Los Angeles Heights, Northmoor, and Edison
- Worn and damaged roofs will be repaired and new white shingles installed
- Homeowner contribution is \$0
- Impact of new Cool Roof will be monitored for a 1-year period to test the benefits of this technology

Qualifying Criteria for Homeowners

- Owner-occupied,
- Taxes are current, and
- Must meet at least one (1) of the following conditions: Age Over 65 Years, Disabled, Veteran, or Family Income at or below 80% AMI

Monitoring & Evaluation

Data Collection

- Conduct pre and post onsite visits to each home and confirm eligibility of each home
- Document existing conditions of each home (use Home Energy Checklist form or similar)
- Obtain 12-month utility data for pre and post (electricity and natural gas (if applicable) from CPS Energy
- Collect attic and roof temperature pre and post retrofit for each home (utilize HOBO temperature loggers)

Analysis

- Input utility and home energy data into EPA's ENERGY STAR Portfolio Manager
- Provide Energy Analysis pre and post retrofit. Data results must be reported for each home and by area

Reporting

- Provide energy analysis pre and post retrofit with estimated energy and cost savings
- Provide copies of data collection and analysis (pre and post conditions) to City of San Antonio

Timeline

	2015			2016								2017
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug - Sep	FY 2017
QUALIFY APPLICANTS												
Select clusters of homes												
Pre-application meetings & inspections												
Application deadline												
Sign contracts with homeowners												
Prepare scopes of work												
CONSTRUCTION & MONITORING CONTRACTS												
Prepare specs for construction & monitoring												
Award contract for monitoring												
Select existing JOC contractor												
Finalize construction schedule with JOC												
CONSTRUCTION												
COMMUNITY EVENT												
MONITORING & EVALUATION												

Next Steps

- Prepare specifications for on-call contractors
- Execute contract with UTSA for monitoring and evaluation
- Select homes
- Homeowners sign agreements and initial roof inspections

Partners

- District 1 City Council Office, Office of Sustainability, Transportation and Capital Improvements Department, Department of Planning & Community Development, CPS Energy, UTSA College of Architecture, Construction & Planning