

Resource Management Commission

Customer Energy Solutions: Commercial and Multifamily Energy Efficiency Program Updates

Joseph 'Joe' Teng

Interim Energy Efficiency Services Manager



July 18, 2023

© 2023 Austin Energy

Agenda

Commercial Program

- Program Overview & Offerings
- Customer Spotlight - AISD

Multifamily Program

- Program Overview & Offerings
- Demonstration Program –
Multifamily Smart Home Rewards



Commercial Energy Efficiency Program

Program Overview

- Energy Efficiency rebates for Commercial Customers
- On-site or virtual energy assessments available by request
- Upgrades completed by network of local contractors
- Support 2030 goals from Resource, Generation, and Climate Protection Plan

Budget Snapshot

- Funded by Community Benefit Charge
- FY23 Commercial & Small Business = \$3.35M



Offerings and Services

Energy Efficiency Retrofits

- HVAC Tune-Up and Replacement
- Building Envelope - windows, insulation, solar screens, reflective roofs
- High Efficiency LED Lighting
- ENERGY STAR Commercial Kitchen Equipment
- Motors, Variable Frequency Drives, and Custom Incentives

High-Efficiency New Construction

- Rebates for exceeding local building energy code standards

Demand Response

- Performance-based incentives for load curtailment

Customer Spotlight - AISD

2017 Bond EE Upgrades (part 1)

- Ann Richards School
- Bedichek Middle School
- Burger Activity Center
- Burnet Middle School
- Dobie Middle School
- Eastside Memorial High School
- James Bowie High School
- Kealing Middle School
- Lamar Middle School
- Lively Middle School
- **Lyndon B Johnson High School**
- **Rosedale School**
- **Stephen F Austin High School**
- Travis High School



LBJ High School - Mini-split ACDX Heat pumps and HVAC package units



Rosedale School – New Classroom LEDs and Variable Frequency Drives on Hydronic Pumps



Austin High School – Gymnasium LEDs and New Air-Cooled Chiller



Customer Spotlight - AISD

2017 Bond EE Upgrades (part 2)



Casis Elementary – LEDs and Cooling Towers



Doss Elementary - LEDs



Cowan Elementary - High Efficiency HVAC Package Unit

- Barrington Elementary
- **Blazier Elementary School**
- Brykerwoods Elementary School
- **Casis Elementary School**
- **Cowan Elementary School**
- **Doss Elementary School**
- Hill Elementary School
- Joslin Elementary School
- Kocurek Elementary School
- Lee Elementary School
- Linder Elementary School
- Maplewood Elementary
- Norman Elementary School
- **Sanchez Elementary School**
- Sunset Valley Elementary School
- Walnut Creek Elementary School
- Webb Elementary
- Widen Elementary School
- Williams Elementary School
- Winn Elementary School



Blazier Elementary – Air Cooled Chiller



Sanchez Elementary - Air Cooled Chiller

Multifamily Energy Efficiency Program

Program Overview

- Energy efficiency rebates for Multifamily Properties
- Income Qualified Properties qualify for higher rebates and bonus incentives
- Strong network of local contractors
- Support 2030 goals for Resource, Generation, and Climate Protection Plan

Budget Snapshot

- Funded by Community Benefit Charge
- FY23 Multifamily Standard Budget = \$900k
- FY23 Multifamily Income Qualified Budget = \$1.8M

Offerings and Services

Energy Efficiency Retrofits

- HVAC Tune-Up and Replacement
- Duct Sealing and Plenum Repair
- High Efficiency LED Lighting
- Building Envelope - windows, insulation, and solar screens
- Water Savings Devices

Demand Response

- Power Partner Thermostats
- Smart Home Rewards Demonstration Program



Multifamily Smart Home Rewards Demonstration

Program Overview

- Multifamily demand response
- Focus on low- & moderate-income households
- 6-7 properties, ~1,400 tenant units
- U.S. Dept of Energy - Building Technology Grant

Dual Customer Incentive

- Annual bill credit for participating tenants
- Annual incentive check for property owner

Technology

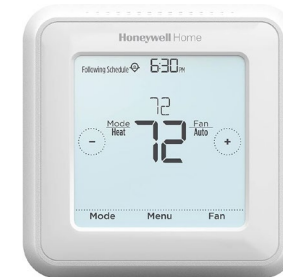
Water Heater Controller

- Armada LCS2400 w/ cellular and Wi-Fi hotspot
- Leak detection

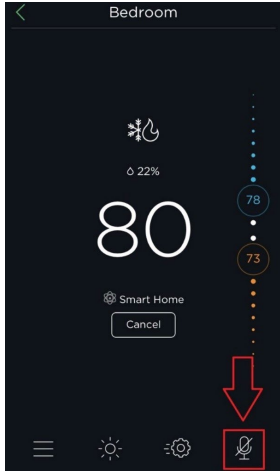


Smart Thermostats

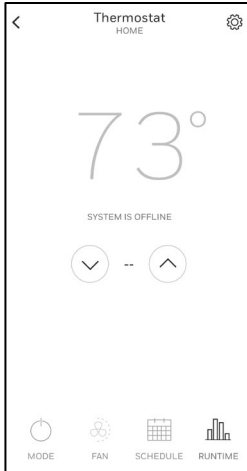
- Ecobee3 Lite, Honeywell, or Amazon



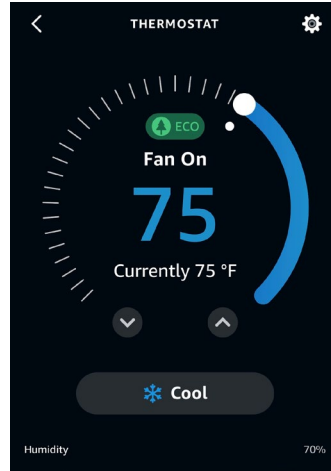
Multifamily Smart Home Rewards Demonstration



Ecobee App



Honeywell Resideo App



Amazon Alexa App

Benefits

Tenants

- Smart thermostat w/ app control
- Initial and recurring bill credits
- Additional energy efficiency upgrades installed

Property Owners

- Annual participation-based incentive
- Water heater leak detection

Initial Property: Whisper Hollow



- 3300 Parker Ln, Austin, TX 78741
- 220 Units across 15 buildings
- All Electric
- Year Built: 1983
- ~34% of tenants enrolled in AE Customer Assistance Program

Joe Teng, Interim EE Services Manager:
Joseph.Teng@austinenergy.com

Commercial Program:
commercialrebates@austinenergy.com

Multifamily Program:
mfrebates@austinenergy.com



**Customer Driven.
Community Focused.SM**

