

Energy Is Everywhere!



Saving Money & Saving Energy this Autumn

October 20, 2016



Webinar Series sponsored by
Housing and Urban Development,
Department of Energy and
Department of Education

Webinar Agenda

- Welcome and Intro to Webinar Series - Department of Education
- Featured presenter, Madeline Salzman – Department of Energy
- Featured presenter, Catherine Crago – Housing Authority of the City of Austin (HACA)
- Q & A

You are on mute! Use your webinar bar to fill out poll or chat to send in a question.

Email SEEDInitiative@hud.gov about the Energy is Everywhere Webinar Series to learn more.

SAHF Toolkit

Developed by Stewards for Affordable Housing for the Future

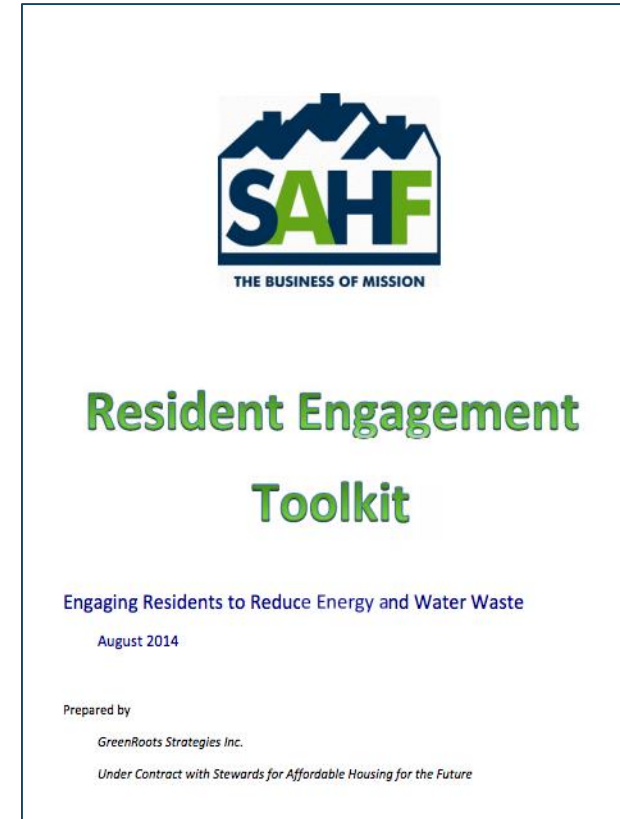
➤ Link: <http://www.sahfnet.org/resources/downloads/resident-engagement-toolkit>

➤ This is a new link – don't use ones from previous presentations!

Strategies to engage residents on:

- Behavior to reduce energy use
- Behavior to reduce water use
- Behavior to encourage healthy living

All activities in this presentation
(and more!) are available for download
from the toolkit.

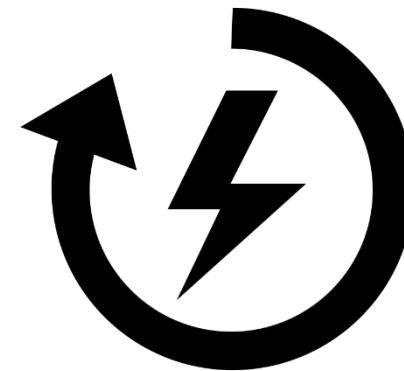
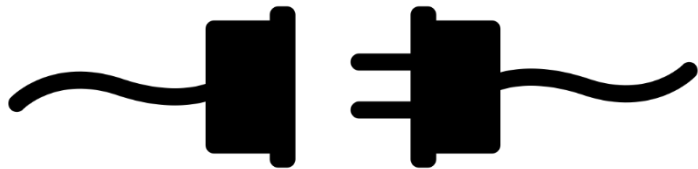


Incorporating Your Community

- Host meetings with snacks and/or refreshments
- Have printed out materials at events
- Be responsive to resident concerns
- Keep things fun and take advantage of events & holidays

Benefits to Reducing Electric Load

- Electricity load accounts for 35% of site energy use (RECS 2009)
- Trends show home electricity use is going up as people use more devices for entertainment and work
- Usually, strategies to reduce electricity use at home do not reduce comfort
 - Require mindfulness to turn off unused items
 - Open opportunities for more active, fun, and creative activities at home
- Behavioral strategies give people feelings of ownership and agency
 - Electricity use is heavily impacted by resident behavior



Recommended Plan: October

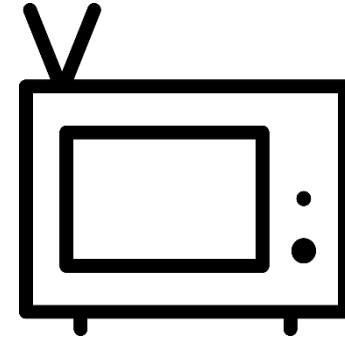
Focus on building *KNOWLEDGE*

- **Exhibit 4-34:** Point-of-Use Prompt – Energy Conservation
- **Exhibit 4-35:** Conservation Corner – Plug Loads
- **Exhibit 5-21:** Point-of-Use Prompt – Power Down
- **Exhibit 4-25:** Coloring Sheets for Children – Plug Loads

Building Knowledge: Reducing Electricity Load

Resident Behavior

- Turn unused electronics off!
- Don't utilize "sleep" mode
- Utilize power strips to turn off appliances easily
- Unplug items when they are fully charged
- Play a board game! (And other activities that don't require electricity)



In The Home

- Utilize laptops more often than desktop computers
- Air dry items rather than electric dryer as much as possible
- Run washers, dryers, and dishwashers only on full loads

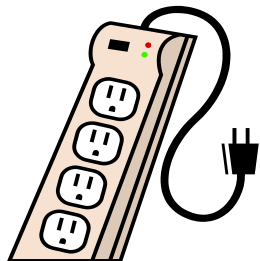
Maintenance

- Replace old equipment with ENERGY STAR appliances
- Replace old light bulbs with LEDs
- Utilize streaming media devices rather than cable

Newsletter Inserts

Conservation Corner – Plug Loads

You can ***do your part*** by practicing the following:



Use a **POWER STRIP** for 2 or more appliances!



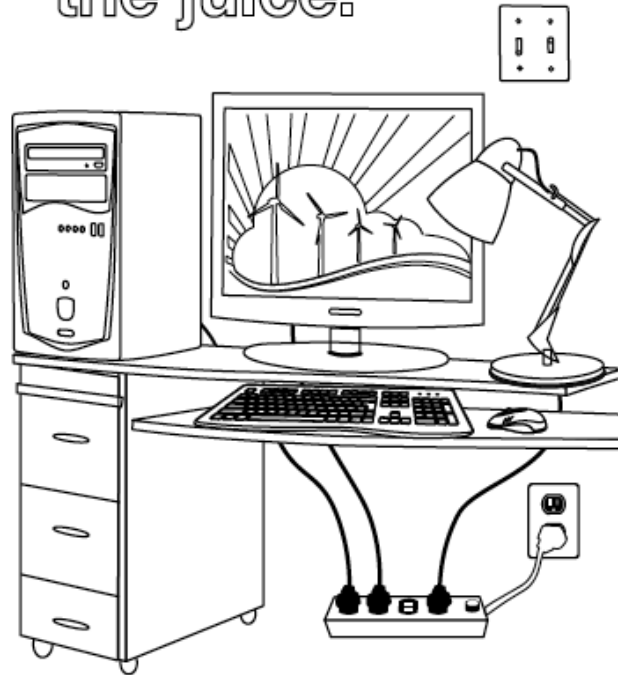
UNPLUG phone and other small chargers!

Point-of-Use Prompts for Pledge Campaigns

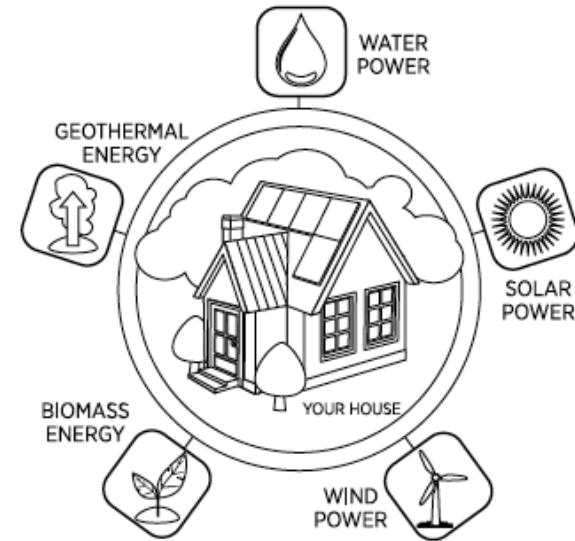
Electricity Use



Not in use?
Turn off
the juice.



get current
coloring book



**Be part of the
Clean Energy Generation!**

U.S. DEPARTMENT OF
ENERGY | Energy Efficiency &
Renewable Energy

Recommended Plan: November

Focus on changing *BEHAVIOR*

- **Exhibit 5-11:** Energy Conservation – Workshop Poster
- **Exhibit 5-12:** Enterprise – Energy Conservation Workshop
- **Exhibit 5-13:** Energy Conservation – Workshop Agenda

Your Program Title goes Here

Energy Conservation Workshop

& BINGO

Date: Wednesday May 5, 2010

Location: Community Room

Time: 5:30 – 7:00 p.m.

*COME LEARN HOW YOU CAN CONSERVE
ENERGY , CUT COSTS, AND IMPROVE COMFORT IN YOUR HOME*

Refreshments & Raffle Prizes



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GREEN & HEALTHY LIVING: Energy Conservation

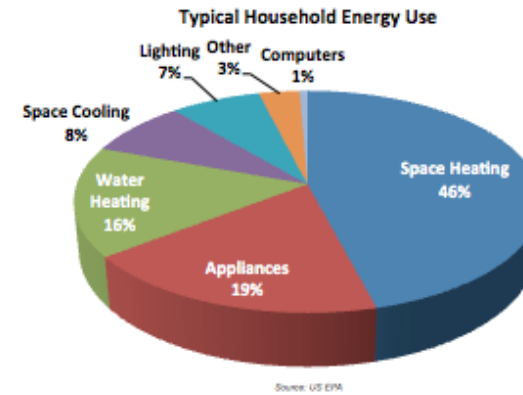


EASY IMPROVEMENTS FOR YOUR HOME

Prepared for Enterprise Community Partners



Major Home Energy Usage



GREEN & HEALTHY LIVING: Energy Conservation

Enterprise Community Partners | 7

Ways to Save Energy

Appliances:

- Look out for **Phantom loads** – little lights, LCD displays, and other indicators that remain ON even if your electronics are OFF
- Turn off computer when not in use (not just sleep...OFF)
- Use a timer or smart surge protector



GREEN & HEALTHY LIVING: Energy Conservation

Enterprise Community Partners | 12

How a Smart Strip Surge Protector Works

Smart strips sense when a master appliance is turned off and switches peripherals off

When the master electronics are:

- Turned ON, all peripherals are turned ON
- Turned OFF, the peripherals are turned OFF



Control Outlet: Plug your independent "Master" electronics here

Dependant Outlets: Plug your peripherals in here

GREEN & HEALTHY LIVING: Energy Conservation

Enterprise Community Partners | 13

How Did the Resident Cut Their Bill in Half?



**Switch all lights
to Compact
Fluorescent**



**Replace Fridge
with Energy Star
model**



**Replace
Dishwasher with
Energy Star model**



**Line dry
laundry**



Energy Conservation

Workshop Agenda

- A. Overview Slides
- B. Exercise #1 Reading a Utility Bill
- C. Discussion – How to Reduce Energy?
- D. Exercise #2 WATT do they take?
- E. Video – How to Read a Utility Bill (optional)

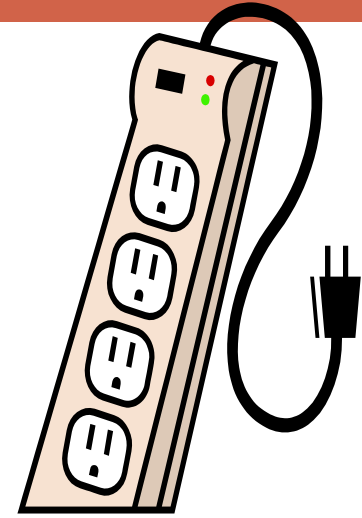
Recommended Plan: December

Focus on inspiring *SOCIAL CHANGE*

- **Exhibit 5-17:** Power Down – Pledge Campaign Poster
- **Exhibit 5-18:** Power Down – Educational Handout
- **Exhibit 5-19:** Power Down – Pledge Card
- **Exhibit 5-20:** Power Down – Pledge Card Display
- **Exhibit 5-16:** Energy Bingo – For Children

Your Program Title goes Here

Come learn about **PLUG**
LOADS...



...and make a **PLEDGE!**

TUESDAY JULY 16, 2013

2:00 P.M. TO 4:00 P.M.

(DROP-IN)

MAIN LOBBY

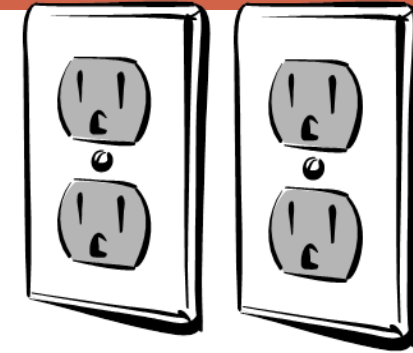
**LEARN HOW YOUR
APPLIANCES WASTE
ENERGY AND MAKE A
PLEDGE TO**

CONSERVE!

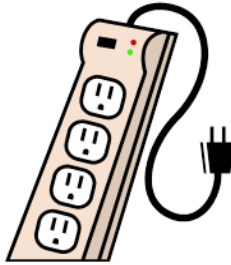
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Power Down



Plug Into Savings Now...



Plug 2 to 4 pieces of equipment into a power bar. Then flip one switch to turn them all off at the end of the day.

Install compact fluorescent or LED light bulbs in table and floor lamps. Turn off lights to save!



Set your computer to “power down” or “hibernate”.

PHANTOM POWER



Some equipment uses energy even when switched off! Cut expensive waste by unplugging phone and iPod chargers, coffee makers, radios and DVD players.

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Resident Name



Staff would like to thank you
for joining them
in **TAKING ACTION!**

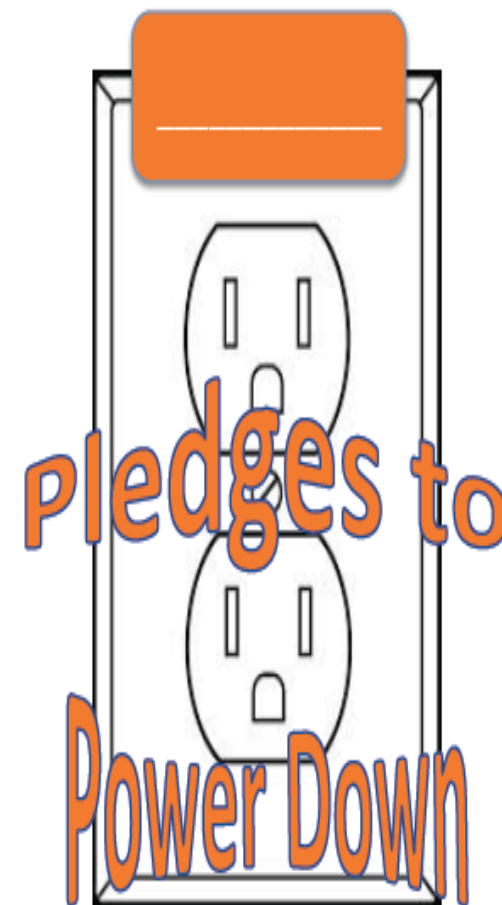
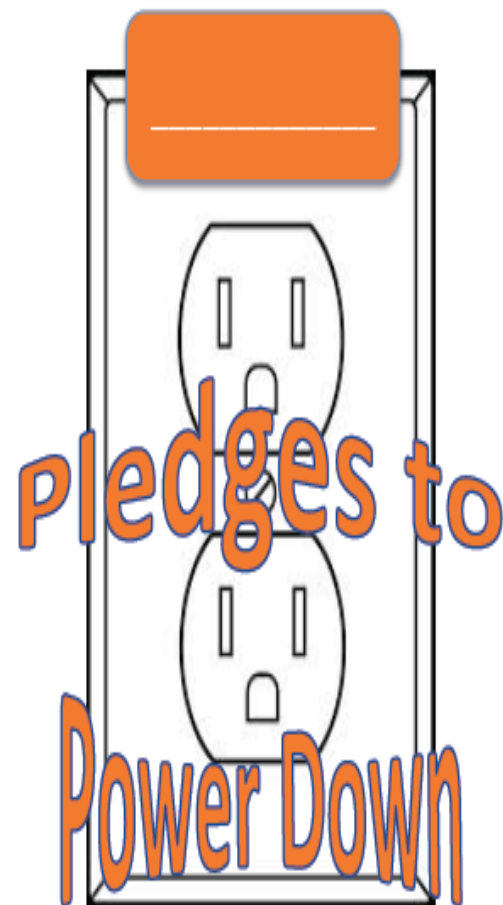
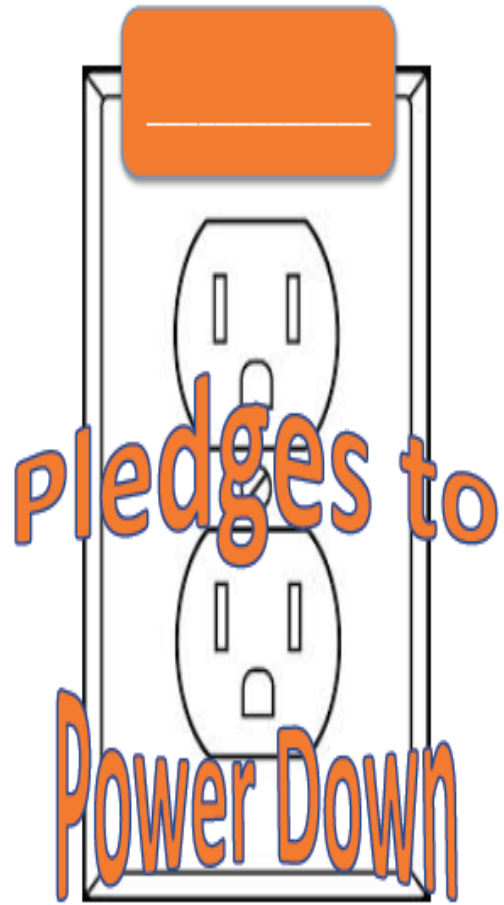
• **Thank you for your commitment to:**

- Turn off your computer when it is not being used
- Use a power strip for two or more appliances
- Install a compact fluorescent light in a table lamp

Together,
our
community's
efforts will
help **CUT**
ENERGY
waste!

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Conservation Pledge Tree – Power Down



Energy Bingo



Reminder: Engagement Tips

- Take advantage of the season
 - Back to School (Late August – Early September)
 - NFL Games
 - Thanksgiving (November 24)
- Find your resident leaders – people who are interested in these issues
 - Help hanging up signs, letting residents know about events
 - Find out what matters to YOUR residents
- Don't take on more than you have time for; opt to do a **few, simple** activities *well*

SEED UPDATE

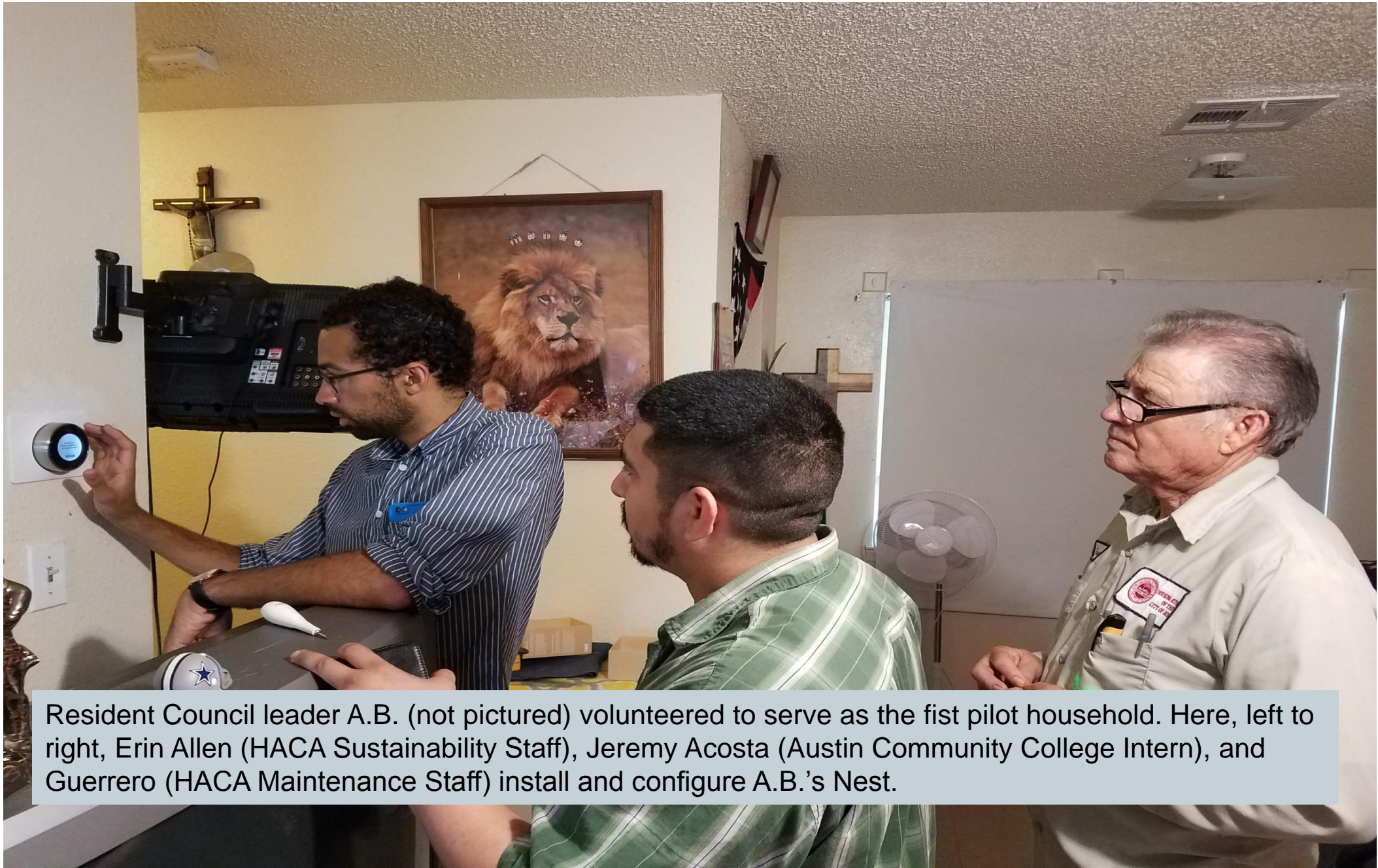
Housing Authority of the City of Austin



The SEED Kick Off convened: HACA Residents, HACA Staff, Austin Energy, Austin Water, Texas Gas, and Pecan Street Consortium. Representatives from HUD and Department of Energy helped draw energy providers interested in learning about the nation's strategic direction and best practices on driving energy efficiency behaviors in low-income communities.

Identifying partners: Shared interests, shared needs

- Explored the strategic direction of each agency. Starting points:
 - What customer service needs do we share?
 - Are there areas where we already work together that could be streamlined?
 - What strengths or assets can we provide to each other with little additional effort?
 - What innovative initiatives do we dare not try alone but believe we can achieve together?
- Shared interests and needs are reflected in the Kick-Off Agenda:
 - Ceremonial signing of the Project Charter
 - Break Out Sessions focused on topics of interest:
 - Measuring Success: Energy efficiency education, behaviors & outcomes
 - Economic Development: Energy efficiency for low-income Austinites
 - SAHF Toolkit Overview



Resident Council leader A.B. (not pictured) volunteered to serve as the first pilot household. Here, left to right, Erin Allen (HACA Sustainability Staff), Jeremy Acosta (Austin Community College Intern), and Guerrero (HACA Maintenance Staff) install and configure A.B.'s Nest.



Here, Shadowbend Property Manager Cecilia Pimentel learns to control the Community Center Nest with her smart phone. The Community Center has Wi-Fi.

Poll Questions

- We want to hear from you!

Next Steps

- All Energy Tools from the SAHF Toolkit have been presented!
 - Check out the SEED website for previous recordings
- Moving forward: share best practices and lessons learned from implementing these strategies
 - YOU are the experts!
 - Share expertise with each other on how to best implement residential energy literacy activities
- Let me know what you have been working on!

Questions and Contact Us

Questions: Type in the questions/chat box.

Contact: Madeline Salzman with Resident Toolkit Questions,
madeline.salzman@ee.doe.gov

We are interested in your feedback on the Energy Is Everywhere Series! **Email:** SEEDInitiative@hud.gov