



City of Dallas

Whole Home Dallas

Resilient Congregations for Dallas
July 15-16, 2023

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Quality & Sustainability
City of Dallas

Presentation Overview



- Program Purpose
 - CECAP Implementation
 - Climate Resilience
 - Environmental Justice
- Whole Home Dallas
- Solar Switch Dallas
- Questions







Program Purpose: CECAP Implementation



01 | Dallas' **BUILDINGS** are energy-efficient and climate resilient.


B4: Implement a citywide building weatherization program through partnership with community organizations.

	B4	OEQS	Provide ongoing environment and sustainability targeted outreach and education programs to the community
	B4	OEQS	Launch a weatherization campaign to raise awareness of benefits of home weatherization upgrades
	B4	OEQS	Work with RISE partners to facilitate regional conversations that expand efforts to reduce residential energy burdens
	B4	OEQS	Conduct a green job skills pilot to increase the number of qualified people providing weatherization services



02 | Dallas generates and uses renewable, reliable, and affordable energy.

E3: Continue partnership with public utility companies on an intensive program on renewable energy options.

	E3	OEQS	Implement a Whole Home Weatherization Program resource HUB to connect residents with existing services
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Program Purpose: Climate Resilience



- Dallas residents are seeing more extreme weather due to our changing climate.
- Whole Home Dallas can facilitate access to resources that could lower utility bills, protect health and increase a home's comfort and safety
- Homeowners can take action to make their Whole Home resilient to extreme weather by including home updates like:
 - Weatherization
 - Energy Efficiency
 - Renewable Energy



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Program Purpose: Environmental Justice



*U.S. Department of Energy
measures the average energy
burden for low-income households
at 8.6%.*

- Climate change is affecting everyone, but not everyone will be affected equally!
- Housing for our vulnerable communities may be poorly insulated, with less-efficient appliances and structural issues. Leading to wasted energy.
- Racial Equity Plan Target 2.12
 - “Increase residential building efficiency through weatherization, access to clean energy through community solar programs, and reduce energy use in historically disadvantaged communities through other related programs.”



Whole Home Dallas Program



- Whole Home Dallas helps residents by:
 - **Educating** on benefits of household upgrades.
 - **Connecting** to available programs and resources that are:
 - Income-Based Assistance
 - Rebates & Discounts
 - Tax Incentives



WEATHERIZATION



ENERGY EFFICIENCY



RENEWABLE ENERGY



Whole Home: Weatherization



What is Home Weatherization?

Weatherizing aims to improve household resiliency by sealing drafts and protecting the interior from outside conditions.

What are the benefits of weatherizing your home?

Saves residents on utility bills and makes interior temperatures more comfortable.

What are weatherization upgrades for your home?



Repairing or Replacing Doors



Caulking



Weatherstripping



Insulation



Energy-Efficient Windows



What programs are available to help weatherize your home?



Income-Based Assistance

DCHHS Weatherization Assistance Program

The purpose of this program is to reduce household energy usage, address health and safety needs, and offer minor home repairs by installing approved weatherization materials.

Qualifications/Requirements

Household with a combined gross income at or below 200% of federal poverty level.

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Rebates & Discounts

Tax Credits

Insulation

EnergyStar® Tax Credits are available for primary residences.
Tax credit for 10% of the cost, up to \$500 (Not including installation).

Qualifications/Requirements

Typical bulk insulation products can qualify, such as batts, rolls, blow-in fibers, rigid boards, expanding spray, and pour-in-place. Products that air seal can also qualify, as long as they come with a Manufacturers Certification Statement including weather stripping, spray foam in a can, caulk designed to air seal, and house wrap.

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Whole Home: Energy Efficiency



What is energy efficiency?

Energy efficiency helps use less energy to get the same job done.

What are the benefits of making your home energy efficient?

Energy efficient appliances use less energy and can lead to lower utility bills.

What are energy efficient upgrades for your home?



EnergyStar® Appliances



EnergyStar® Light Bulbs



Programmable Thermostats



Smart Plugs



What programs are available to help make your home energy efficient?



Income-Based Assistance

Rebates & Discounts

Oncor Retail Products Program

Oncor Retail Products Program provides Oncor residential customers with in-store, point-of-sale discounts when they purchase qualifying EnergyStar®-rated LED lighting products and consumer appliances.

Qualifications/Requirements

How:

1. Choose your qualifying product
2. Verify you're an eligible Oncor customer
3. Receive a coupon code and use it at checkout

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Mid-Tex SmartChoice Rebates (Atmos)

Atmos customers in North, Central, and East Texas may be eligible for a SmartChoice rebate on high efficiency furnaces, gas storage water heaters, tankless gas water heaters, and smart thermostats that are on a list of EnergyStar® approved products.

Qualifications/Requirements

Rebates apply to current Atmos Energy residential customers in the Mid-Tex Division

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Tax Credits



Whole Home: Renewable Energy



What is Renewable Energy?

Renewable energy is “clean energy” made from resources that nature will replace, like wind, water, and sunshine.

What are the benefits of adding renewable energy to your home?

Leads to less reliance on the power grid and offsets rising electricity costs.

What are renewable energy sources for your home?



Renewable Electricity Plans



Solar Panels



Solar Energy Storage



Solar-Powered Generator



Solar-Powered Water Heater





What programs are available to help add renewable energy to your home?

Income-Based Assistance

Rebates & Discounts

Oncor Residential Solar Program

Oncor has an incentive program for residential solar photovoltaic systems. Incentives depend on the size, azimuth, and other factors of the installed system. Programs typically run from January through November on an annual basis.

Qualifications/Requirements

Homeowners with Oncor as their electric delivery provider qualify for incentives. New home construction projects are not eligible.

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Tax Credits

Solar Investment Tax Credit

If you install a Solar PV system between 2022 and 2032 you may receive a 30% tax credit. If you install a system in 2033 the credit will decrease to 26% and to 22% in 2034.

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Property Tax Exemption for Renewable Energy Systems

Texas Property Tax Code allows 100% exemption on the increase in assessed value of a property for installing a solar or wind powered energy device..

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Solar Switch Dallas



- Solar Switch is a group buying program for solar installations.
- This program offers a hassle-free way to install rooftop solar panels and battery storage.
- Dallas residents can come together to secure a discounted price on a rooftop solar installation for their homeowners or small business.



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Solar Switch Dallas - Organizers



- 501 (c3) non-profit
- 375+ co-ops with 700+ partners in 13 states since 2007
- Advocate for interests of solar owners in local, state, federal policy
- 385K members nationwide
- Opened office in TX in 2018



- Helping residents go solar with 100+ community partners in EU and Japan since 2012
- Started operations in TX in 2017; Austin and Houston offices
- Work with 20+ TX cities on TX Power Switch for electricity aggregation and purchasing



How it Works for Residents



1. Register



2. Auction



3. Personal Recommendation



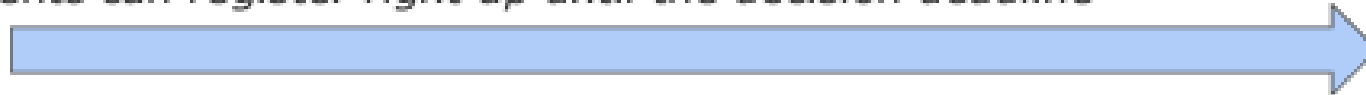
4. Decision



5. Install

Campaign: 4 months

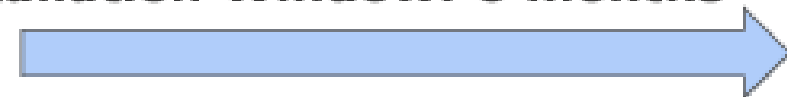
Residents can register right up until the decision deadline



Decision Window: 6 weeks



Installation Window: 6 months



How it Works: Registration



- Register at SolarSwitch.com/Dallas
- Marketing:
 - Social Media
 - Direct Mailer
 - Flyers
 - Registration Website



How it Works: Auction



- iChoosr identifies and vets solar installers for:
 - Licensing/insurance
 - Experience
 - Customer ratings
 - Financial Strength
- iChoosr manages installer auction & selection process through:
 - A reverse auction, typically yielding a 15-25% group discount



How it Works: Personal Recommendation



Your personal offer, test test

Based on the roof size and electricity usage provided, a system size of **5.5 kW (15 panels)** is recommended. **Note:** You can revisit your offer at any time via the link in your personal offer email.


15 solar panels

Annual Production  7,391.25 kWh

Coverage of your annual usage: 86%

Good to know: This is a personal estimation. If you proceed, the installer will conduct a site survey to validate the optimal amount of panels.

What you pay: **\$13,092**
(incl. sales tax)

Possible tax refund:  \$3,404

Final cost: **\$9,688**

- Personal offer will include:
 - Proposed system size and cost
 - Winning installer
 - Financing options available.
 - Customer deposit
 - Call to Action



How it Works: Residents Review and Decide



- No obligation to proceed
- Solar Switch will offer virtual information sessions and a customer service center.
- Residents that accept are connected with the winning installer.



How it Works: Installation



- Residents will receive a welcome email & call from installer.
- Installer completes and shares remote site assessment results and design.
- Installations completed by January.





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THANK YOU.

