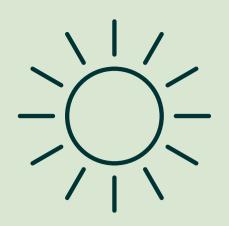


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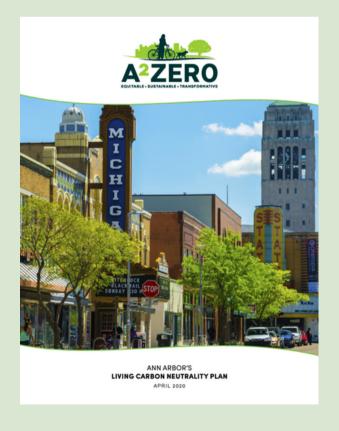


What is Solarize?

Solarize is a community bulk-buy program that encourages residents to gather neighbors and friends across Washtenaw County, along with participating solar installers, to learn about residential solar. These gatherings are an opportunity to get questions answered while providing the option to come together to purchase solar in bulk.

The standard discount structure is:

5% off for 3+ households 10% off for 7+ households 15% off for 10+ households



Solarize was developed to help the City of Ann Arbor reach its carbon neutrality goals. Solarize installations have advanced the goal of supporting onsite renewables and battery storage throughout Washtenaw County while upholding the Living Carbon Neutrality Plan's aim of taking equitable, sustainable, and transformative action.

For more information about the City's carbon neutrality goals, check out the <u>Living Carbon Neutrality Plan</u>, A2ZERO.

Why is Solar Important?

Solar energy provides a variety of benefits to homeowners and to the environment. Some of these benefits include:



Independence

You can produce some of your own electricity rather than purchase all of your electricity from a utility





Local Resilience

Solar provide can backup electricity generation during grid outages which increases local resilience during emergency events



Improved Air Quality

Solar technologies not produce greenhouse gas emissions resulting in less air pollution



Improved Public Health

Producing cleaner energy can help reduce symptoms of respiratory cardiovascular conditions through improved air quality



Lower Utility Bills

Producing vour own electricity can reduce the amount that you need to purchase from a utility



Increased Property Values

Homes with solar panels can be more appealing potential buyers because it suggests lower energy costs longterm

Solar Myths

"Solar panels will damage my roof"

For most roofs, adding solar panels may add weight to your roof but should not cause any damage. In many cases, solar panels can actually protect your shingles from degradation. If you are concerned that your roof may not be able to support panels, contact a roofer to evaluate your roof.

"Solar panels are too expensive"

By taking advantage of the Solarize discount and federal tax credits and incentives, homeowners now save an average of around \$9,000 per household making the average cost of an average size residential solar installation a little over \$13,000 after discounts. The average ROI for a Washtenaw Country resident is 13 years.

"Solar panels require a lot of maintenance"

While it is rare that a solar panel might break or not be functioning properly, if this does occur and your system is under warranty, your installer will come out and fix the problem. Solar panel technology has improved in recent years, with warranties generally covering 25 years and estimated panel lifespans of about 30-40 years.

"Solar panels decrease your property value"

In 2019, Zillow conducted <u>a study</u> of recently sold homes across the United States and found that homes with solar sold for 4.1% more on average compared to homes without solar. For the median-valued home in the U.S., that equates to an additional \$9, 274.

Why Get Solar Now?

There are immediate benefits

You will start producing solar energy within about three-to-four months after installation is compete.

Costs have come down significantly

Most residential installations can go through expedited solar permitting which only requires an electric permit without requiring residents to pay for line item fees. Average price per watt (PPW) of solar has decreased to \$2.85/watt (post-discount) in Washtenaw County.



Technology has improved

In 2024, the average efficiency of solar panels produces about 10% more electricity per panel compared to five years ago. With more efficient panels and batteries, better solar production and storage of excess energy leads to improved long-term savings.



Achieve Energy Independence

In the last five years, DTE rates have significantly increased and appear to be continuing to trend in that direction moving forward. By having your own solar array, you can reduce your reliance on the grid.



Financial Incentives

There are many resources that residents can take advantage of to help finance your solar array that may not be available long-term. Some of these resources & opportunities include: federal tax credits through the Inflation Reduction Act of 2022, Solarize bulk-buy discounts, low-interest financing through Michigan Saves, and no property tax assessment in Ann Arbor.



Urgency of Climate Change

The use of fossil fuels accounts for about 75% of global greenhouse gas emissions and is one of the leading drivers of climate change. By switching to solar power in your home, you can significantly reduce your emissions and your carbon footprint.

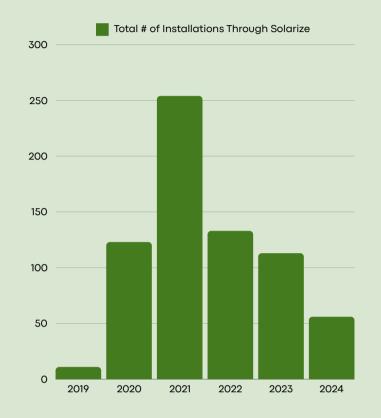


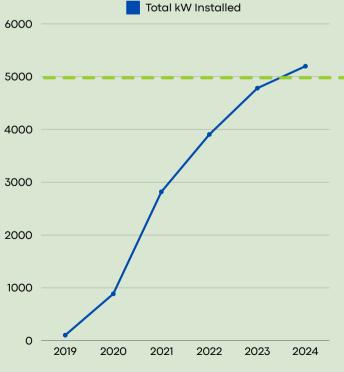
Solarize Progress

Through the Solarize program:

- 690 solar installations
 have been completed
 in Washtenaw County
- 5,198kW of solar have been installed across
 Washtenaw County
- \$2,354,383 has been collectively saved by residents through the Solarize discount with an average savings of \$3,412 per household

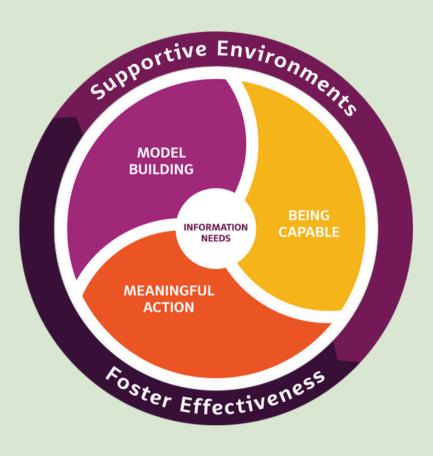
Since the City has surpassed its goal of installing 5MW of residential solar by the end of 2024, a new goal has been set to reach a total 5.5MW by the end of 2025.





What is the SEE Framework?

Supportive Environments for Effectiveness (SEE) is a framework that recognizes people have a variety of ways of navigating different settings. For any setting, or environment, three key ways include 1) forming an understanding through exploration, 2) meaningfully participating in an effort to make a difference, and 3) having the resources and mental clarity to feel competent when engaging with the information in a given environment. SEE is a tool that could help transform the way people participate in the Solarize program, enabling them to be effective actors in the process.



Model Building

refers to the need to explore and understand, building on knowledge that is already familiar

Being Capable

refers to the need to feel competent and clearheaded when finding, learning, and sharing new information

Meaningful Action

refers to the need to make a difference and know that our efforts matter on a larger scale

Overview of Roles & Responsibilities

Solarize consists of four main actors that collaborate to help expand residential solar across Washtenaw County. Knowing what each actor is responsible for helps individuals build a better mental model of how the program functions.



This individual is typically an employee of the City of Ann Arbor and serves as the main point of contact throughout the solar process.

This person's role is to:

- Schedule and Coordinate Events
- · Collect and Manage Data
- Follow-Up with Participants



This individual is a representative of a solar installation company that is selected for a specific solarize group and provides estimates to interested residents.

This person's role is to:

- Share Information
- Manage Projects
- Provide Weekly Updates



This individual is a resident of Washtenaw County who is passionate about solar and wants to encourage others to consider solar.

This person's role is to:

- Engage in Community Outreach
- Select an Installer
- Share Passion for Solar



These individuals are other interested residents who want to learn more about their potential to purchase solar for their homes.

Their role is to:

- Gather Information
- Attend Meetings and Information Sessions
- Recruit Fellow Community Members

Solarize Timeline

Week 0: The Organizer finds a Host

The Solarize group is formed when a host is identified and volunteers to help recruit for and organize the group

Week 4-6: The Host Recruits Participants

Using existing connections,
the host reaches out to
neighbors and friends to
invite them to attend a
virtual meeting regarding
Solarize

Week 7-14: Participants receive estimates and sign contracts

Participants receive
estimates from the installer
and then sign a contract if
they would like to move
forward with the group

Week 1-3: The Host Chooses an Installer

After conducting research and receiving multiple estimates, the host will select an installer that will perform installations for the entire Solarize group

Week 6-7: The Host and Organizer facilitate a meeting

The organizer, host, and installer present information about solar to interested participants and talk about next steps

Week 9-16: The Installer installs participants' solar

After participants sign their contracts with the installer, the installer goes to each house to install their solar array. This usually occurs within about a month after signing the contract

How Solarize Works

From a Host's Perspective

Connect with an Organizer Once you have decided tha

Once you have decided that you would like to be a host for a Solarize group, reach out to cdailey@a2gov.org to learn more about how to start a group. From there, you will collaborate with an organizer to plan a Solarize meeting.

2

Collect Estimates from Participating Installers

Using the list of participating Solarize installers, collect estimates from different installation companies that you are interested in. It is important to meet with multiple installers in order to find the best fit for you.

3

Choose and Connect with an Installer

After you have received your estimates, select an installer that you would like to have install your solar and work with them to plan your solar array.

4

Recruit Community Members

To receive a discount on your solar, you should aim to recruit at least 25-30 other people. While you only need 10 people to sign a contract to receive the highest discount tier, not everyone decides to move forward with solar, so it is beneficial to have a larger initial group size. One tip for recruiting participants is to leverage existing connections and reach out to organizations you are affiliated with.

5

Co-Host a Solarize Meeting

For the initial meeting with interested participants, you will work with the organizer to set up a virtual informational meeting. In this meeting, you will be responsible for sharing your solar journey thus far and your justification for choosing your installer. You will also be present to answer questions from participants.



Be a Point of Contact for Interested Participants

After the meeting, you may be asked to share resources regarding how to get an estimate, how to join a Solarize group, and other solar-related topics.

How to Support Others



Reminders

- We all share the same goals
- We all want everyone to be happy with the outcome
- We all want to make a difference



Purchasing solar energy can be a challenging and stressful decision for homeowners. Without adequate information and ample support from others, people can feel frustrated and deterred from the process.

Connecting back to the SEE
Framework (page 6), it is important to be mindful of others' capacity to participate in Solarize. The following page provides a list of potential actions that you can take to support other actors throughout the Solarize

General Tips for Supporting Others

process.

- Check in with others frequently
- Be patient and understanding of others' circumstances
- Take time to celebrate the work that you have accomplished together

How You Can Support Others



- Collaborate to plan a presentation directed towards interested participants for the initial Solarize meeting.
- 2. Collaborate to recruit participants.
- 3. Promote Solarize meetings throughout the community.
- 4. Connect interested participants with organizer's contact.
- 5. Come together to plan an end of installation Solarize party to celebrate the group.



- 1. Gather multiple estimates from different installers before choosing an installer.
- 2. Provide an explanation for why you have chosen to support your selected installer during the initial Solarize meeting.
- Share what stood out to you about them (trustworthy, excellent customer service, fast and professional service, etc.)



Participant

- 1. Be a neighborhood leader.
- Answer questions from the community. Meet participants where they are at in terms of their knowledge of solar.
- 3. Share your story. You are one of them and therefore are seen as a trustworthy and reliable source of information.

How You Can Expand the Program

Continuing to Grow Solarize

Since 2019, solar arrays installed through the Solarize program have saved **29,869 lbs of CO2 emissions** which is the equivalent of planting **622 trees** across Washtenaw County.



Here are some meaningful actions you can take as a host to help the program continue to grow!

Volunteer to be a host again for a different Solarize group

Even if you already have solar, you can still volunteer to help organize another Solarize group as a host without counting towards the group discount. This would be an opportunity where you can share your solar journey with other community members.

Reach out to Housing Units, HOAs, and Neighborhood Groups

These are excellent groups for finding future hosts and participants who have strong networks in the community and can help with recruiting efforts. It is also important to speak with HOAs and landlords for installing solar in these communities as there might be additional technical considerations.

Advertise your solar and the Solarize program

You can do this by displaying a Solarize yard sign in your front yard to show your support for the program. In the spring following your solar installation, you will be contacted by a Solarize organizer who will offer to deliver a yard sign for you to display through the summer and will then be picked up again in the fall to be reused the following summer.



Next Steps

Want to learn more about Solarize?

This list of <u>FAQs</u> about Solarize can provide information responding to common questions asked by residents

Check out the following page to learn about additional resources that can answer any questions you have about solar

Ready to get started with solar?

Reach out to cdailey@a2gov.org to learn about how you can be a host for a new Solarize group or join an existing group

Reach out to friends and neighbors to learn more about the program and their experiences with solar

Already have solar?

Here are a few other ways that you can become more energy efficient in your home:

- Invest in an energy audit
- Purchase a battery to support your solar array
 - Purchase an electric vehicle
- Check for drafts in your home and update your insulation
 - Upgrade and electrify appliances in your home
 - Install a clothesline
 - Switch to LED lighting

Additional Resources

Solarize:

Main Website

Advancing Sustainability with your HOA or MUD

Solarize FAQs

Uncovering your Solar Potential:

Project Sunroof
PV Watts Calculator
Energy Sage
Solar Help Desk

Financial Resources:

Inflation Reduction Act of 2022

Michigan Saves

A Homeowner's Guide to Solar Financing

Community Stories:

Solar Stories on YouTube
Ann Arbor Sustainability Stories

Other Solar Power Resources:

Residential Consumer Guide to Solar

<u>Department of Energy's Homeowner's Guide to Going Solar</u>

Choosing a Solar Installer

Consumer Solar Checklist

<u>Clean Energy Consumer Bill of Rights</u>

DTE Rate Changes and Solar

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Last updated - August 2024

Special Thanks to

Professor Raymond De Young University of Michigan School for the Environment and Sustainability

Paige Porter and the reDirect Foundation for continued support and funding to enable the completion of this project

The City of Ann Arbor
Office of Sustainability and Innovations