

Lead A HeatSmart Campaign



HeatSmart is an outreach and education campaign designed to promote home energy efficiency and heat pumps

What PACE Offers?

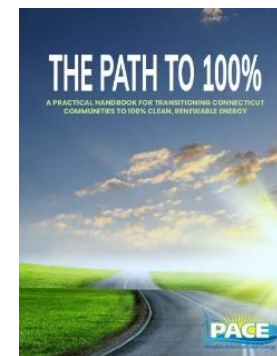
- Website
- Building data and addresses
- Design of promotional materials
- Guidance
- Event materials
- Assistance securing funding

What the Town Needs

- A committed group of individuals
- 6 months to a year for the campaign
- Support of town leadership
- System for accepting and expending grant funding

Other Ways to Partner with PACE

- Baseline town energy assessment
- Energy planning, Building database, Vehicle Database
- Solar canopy analysis
- Rooftop solar analysis
- Event Publicity



Discover other ways PACE can help you achieve your goals. Download the Path to 100% handbook designed to assist communities in achieving their goals.

[PACE Home - PACE Clean Renewable Energy \(pacecleanenergy.org\)](http://pacecleanenergy.org) ~ Contact Deb Roe Deb@PACEcleanenergy.org

Community Partnership Initiative

Community Partnership Initiative (Partnership) seeks to leverage the local knowledge, trusted relationships, and experience of local community groups, nonprofit organizations, and municipalities who are committed to raise awareness and measurable participation in the Sponsors' energy efficiency offerings within their own communities.

Round 1

- Bethel
- New London
- Middletown
- Waterbury
- Wilton
- Branford
- West Hartford
- Hamden

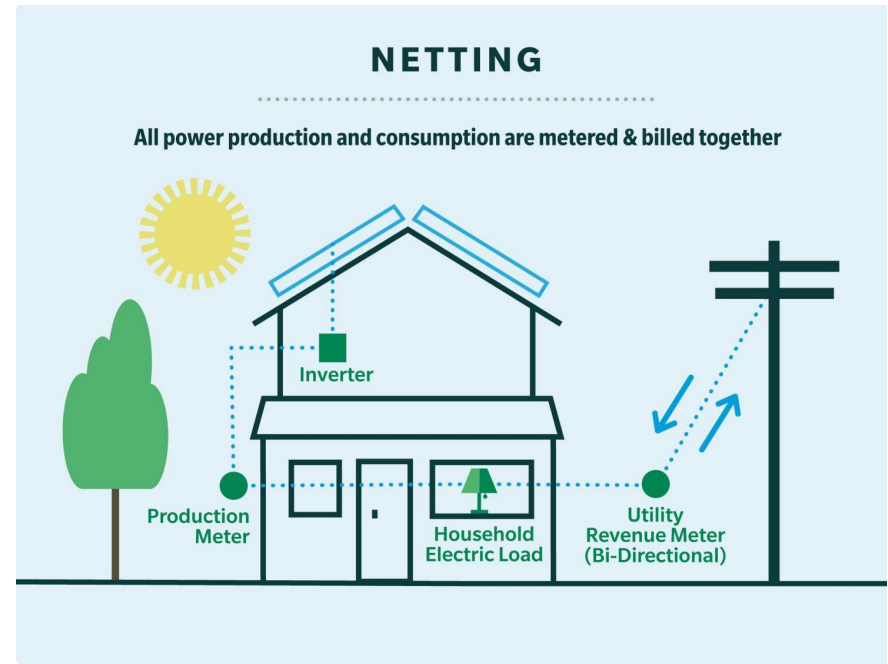
Round 2

- Details soon
- More focus on EJ
- More flexible timing
- More Flexible funding

Residential Renewable Energy Solutions Options

Netting

- All power production and consumption are metered together.
- Energy produced by the PV system, but not consumed within the month, is netted and compensated at customer's retail rate.
- Customers may qualify for REC incentive payment paid quarterly as check or bank deposit.
- **Net energy** from the solar sold to utility during billing cycle at **retail rate**.

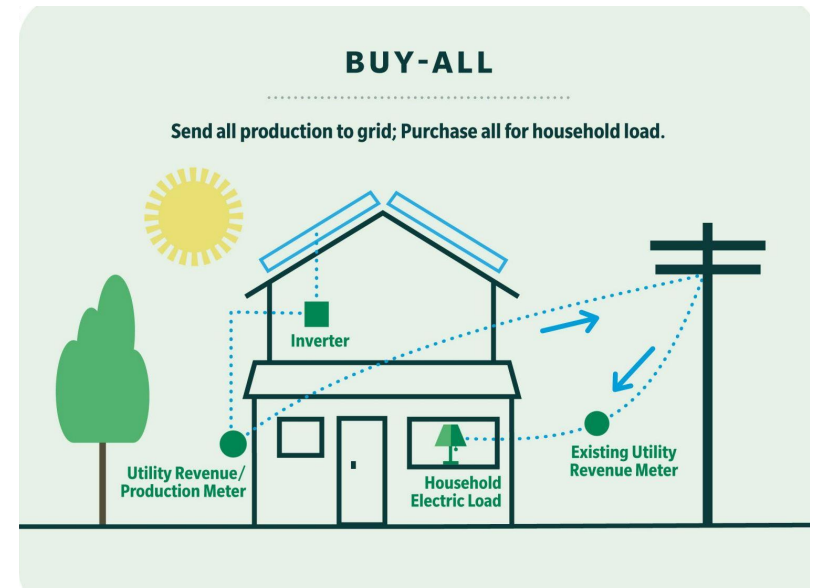


Residential Renewable Energy Solutions Options

Buy All

- Customer exports all power produced by the PV system to the grid without first supplying power to their load.
- Customer purchases all power supplying their load from their utility.
- All energy sold to utility at: \$0.2943 / kWh (2022 | changes annually)

Note: Residences with existing solar are only eligible for Buy-All when adding generation!



Sizing Your Solar Array

105% of Historical Annual Usage, last 5 years
Max size of 25 kW

Future Usage Allocation

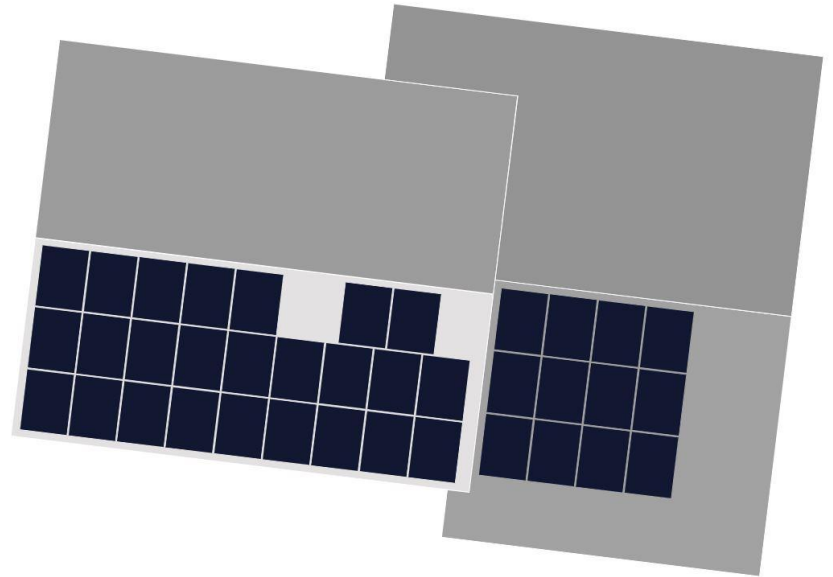
Electric cars (max 2): 3,285 kWh

Air-source heat pump: 3,608 kWh

Ground-source heat pump: 2,458 kWh

Pairing solar with batteries

Limitations on number of panels that can be connected to one battery



Questions? I'm happy to help

- **Solar Experience:** Working in the CT solar industry for the last 10 years
- **Connection to the Community:** CT resident, started off doing efficiency and solar educational workshops in communities
- **Personal Overview:** Have solar on my own home to power heat pumps and electric car
- **Email, text or call:** chamae@earthlighttech.com, 860-331-1041



Chamae Mejias
Solar Energy Analyst

Conducting a Home Energy Solutions (HES) Campaign in Your Town

- **Energy Efficiency:**
 - **The Cleanest Energy is the energy you don't use**
 - **80% of CT homes have not had a HES evaluation**
- **Recommendations for task forces:**
 - **Work with your town leaders – get their support**
 - **Link campaign to local non profit (e.g. Food bank)**
 - **Combine HES with other programs (Heat Pumps, Solar, Batteries, Other)**
- **Talk with others that have done it:**
 - **North Haven**
 - **Branford**
 - **Investigate the CPI**

Power Smart

The Latest Bundle of Energy



Bob Wall
CT Energy Network Gathering
October 8, 2022

What is Power Smart?

- A series of *Solarize*-like campaigns to promote battery storage plus solar
- Funded by US DOE; led by Yale & NYU to understand co-adoption of solar and related technologies
- SmartPower will manage campaigns in **28** CT municipalities



Why Battery Storage?

- Provides a backup power source when the grid goes down
- Let's you use clean energy from your solar system when the sun goes down
- Earns money by allowing the utility to use your stored power during critical periods
- Helps avoid turning on dirtiest power plants to meet demand during those peak periods

Battery Storage Options

Option	Location	Incentive(s)	Conditions
Buy Outright	Anywhere	- Fed Tax Credit*	None
<u>Connected Solutions</u>	Eversource Only	- Fed Tax Credit* - Performance Incentive	Utility draws during peak days in June-September
<u>Energy Storage Solutions</u>	Eversource/UI Only	-Fed Tax Credit* - Upfront Incentive - Performance Incentive	Utility draws every day in June-Aug and critical days in weekends, Sept. and winter months

* 30% federal tax credit for batteries purchased with solar or within 1 year of solar installation

Community Partnership

What We Ask

- Sign MOU committing to campaign
- Appear at events
- Identify communications channels, event venues and local champions
- Promote campaign through municipal channels
- Participate in periodic campaign check-in calls



Campaign Benefits

What We Offer

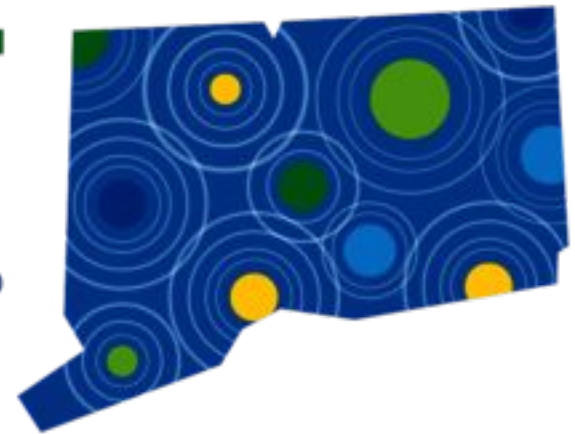
- Free, 20-week, community-branded campaign
- Print and digital media and marketing materials
- Customizable website with testimonials, media and event calendar
- Educational workshops on solar + storage
- Live installation events



Sustainable CT Credit

- **New for 2023:** Earn points for Action 7.7 – Implement a Community Energy Campaign – now includes battery storage

Sustainable CT
Local Actions. Statewide Impact.®



Power Smart Summary

- **What:** A series of 20-week *Solarize*-like campaigns to promote residential battery storage plus solar in CT
- **Who:** CT municipalities located in Eversource or UI territory
- **When:** Over multiple phases, beginning in early 2023
- **Why:** Provide clean backup power; earn money by easing burden on grid
- **How:** Send request to participate to bwall@smartpower.org; Yale & NYU will make final selections as space is limited
- **Support:** SmartPower will provide community outreach managers as well as various marketing tools (e.g., organizing, traditional & social media, website, collateral, workshops, installation events)
- **Questions:** Write or call Bob Wall (bwall@smartpower.org; 203-581-0006)



Investigate Methane Leakage

- Sierra Club CT chapter: connecticut.chapter@sierraclub.org.
- Combustion free buildings: https://66f28e57-02e8-44f5-8613-feb302092242.usrfiles.com/ugd/66f28e_ac05defd067842e2a6b76c8f5dad150d.pdf
- Fossil free resources/reports: https://66f28e57-02e8-44f5-8613-feb302092242.usrfiles.com/ugd/66f28e_6cddd610817547c4bca8d3afe1296f39.pdf

Introducing the IRA and the Connecticut Roundtable on Climate and Jobs

The IRA will supercharge our work together:

- Tax rebates for energy efficiency and renewable measures
- help on a variety of other topics
- DEEP, the Green Bank, and other state agencies will work on connecting partners and programs with funds

We Must Connect with Skilled Labor

- CTRCJ is working on this from all angles...training, equity, etc.
- We invite CT Energy Network members to engage with us to include in your planning process



https://www.whitehouse.gov/cleanenergy/?utm_source=cleanenergy.gov

Contact Aziz Dehkan at: aziz@ctclimateandjobs.org