



Plymouth Area
Renewable Energy
Initiative

INFORM • INSPIRE • ASSIST

NH Solar Shares 3rd Project in Center Harbor

Biennial Report
2022 & 2023



Zak Brohinsky, Sandra Jones, NH Senator
Suzanne Prentiss, Trip Anderson

Message from Zak (Board Chair) & Sandra (Director)

Dear Friends,

We are proud to present our 2022-2023 Biennial Report. We hope you, too, are equally proud of what you have accomplished over the last two years to tackle your personal climate action goals, create a more sustainable community for us all and help build a long-term headquarters for PAREI.

While we watched the pandemic transition to an endemic, we also experienced continued rising temperatures* and increasingly powerful storms impacting our lives and neighbors. The transition PAREI has recently undergone doubles-down on our commitment to build a sustainable community one household and one building at a time in light of these global challenges.

The past two years likely represent the most significant steps forward for PAREI organizationally ensuring we will serve our members and community for decades to come. A true turning point. The first ever Director of Development, Trip Anderson, played a key role in launching our Vision 2030 campaign and our transition to our own campus with a pavilion, outside event space and a new headquarters.

Since we launched PAREI in 2004, all of our programming has been based on assisting our members with reducing their energy use be it weatherizing your home or business, installing solar energy, reducing the energy embedded in the foods you eat, or inspiring you to live more simply and mindfully. In PAREI's early days, Co-Founder, Peter Adams would say, "if you choose to use energy then at least appreciate it."

The following pages will share more about the Many Sides of PAREI and those who have supported and participated in our solar energy, energy equity, local foods and energy education programming. It includes a snapshot of the work we have planned for 2024 and beyond. Behind all the photos and text, this report reveals the essential work we are, and must keep doing to reduce our energy use and combat climate change.

Thank you for the part you have played in bringing PAREI into our 20th year! Together we are making a difference.

Onward,

Zak and Sandra

**according to climate.gov, 2023 was the world's warmest year on record. In July, August, and September of 2023, global temperatures were more than 1.0°C (1.8°F) above the long-term average—the first time in NOAA's record any month has breached that threshold.*

Vision 2030: Phase 1-3 Summary

A New Home for a Re-Visioned PAREI

The years of 2022 and 2023 have been pivotal years in PAREI's history. Vision 2030: Phases 1 – 3 encompassed so much more than merely resurrecting a new home for PAREI near the intersection of Rt 3 and Fairgrounds Road.

Undoubtedly, the most tangible results were:

- The new driveway and site clean-up of what became PAREI's new location;
- The construction and opening of PAREI's Local Foods Plymouth pavilion;
- The renovation of the West Wing at 300 North Main Street to serve as PAREI's new headquarters;

The tireless efforts of so many in PAREI's community laid the groundwork for the milestone changes of the Vision 2030 effort. Consider these accomplishments of PAREI's extended family:

- The Board re-envisioned the Strategic Plan with the mantra to "Simplify and Clarify";
- The Vision 2030 Capital Campaign achieved its two-year goal of raising \$125,000 cash;
- Volunteers logged over 5,000 hours;
- Vendors and business partners provided over \$100,000 of in-kind services;
- PAREI raised over \$151,000 in private funding to support its existing programs;
- PAREI received over \$259,000 in state and local grants in support of local community development projects.

And, simultaneously PAREI's community kept existing programs vibrant:

- In collaboration with Lakes Region Conservation Trust and NH Department of Energy, PAREI erected and launched its third NH Solar Shares project (in Center Harbor);
- Local Foods Plymouth passed-thru \$3,714 in Farm-to-Community gift cards to local food pantries, senior center and the Bridgehouse homeless shelter;
- In partnership with Mauchly Electric and Barrington Power/Mains Electric, installed 669 solar panels generating over 307,000 KWH annually of clean solar energy;

Clearly, PAREI's spirit of Neighbor-Helping-Neighbor remains strong and sustainable.



WHAT WE DO

BUILD COMMUNITY

- NHSaves Statewide Button Up Workshops
- Volunteer Opportunities
- Connecting Farmers and Buyers
- Community Partnerships
- Internship Program and Student Projects
- NH Solar Shares Meet Ups
- Energy Exchanges
- New Campus for Programming and Events

INFORM & ASSIST

- On-Site Solar PV Assessments
- In-Office Home Energy Consultations
- Technical Assistance for Small Businesses in partnership with Clean Energy NH and USDA
- Volunteer Energy Advisor Network
- Project Development and Grant Writing
- Utility and Federal Incentive Programs

INSTALL & MAINTAIN

- Residential and Non-profit Solar Installations
- Solar IT Services
- Solar Thermal Assessments and Repairs
- Team of Experts

LOCAL FOOD SOURCING

- Local Foods Plymouth's 40+ Farmers and Food Vendors
- Weekly Local Foods Newsletter and Informative Website
- Little Gardens Everywhere Edible Public Gardens

SHARE & INSPIRE

- Kitchen Inspired Cooking Show
- Farm to Community Food Sharing Program
- NH Solar Shares Community Funded PV Arrays
- PAREI Lending Library
- Climate Action Advocacy Committee

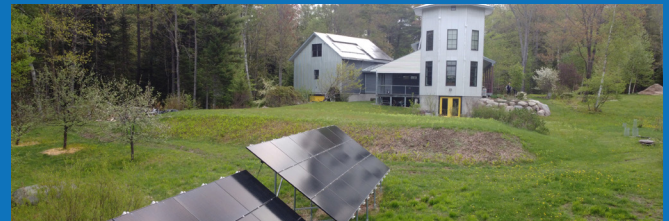


Solar Story

Patrick Miller &
Pamela Andruszkiewicz

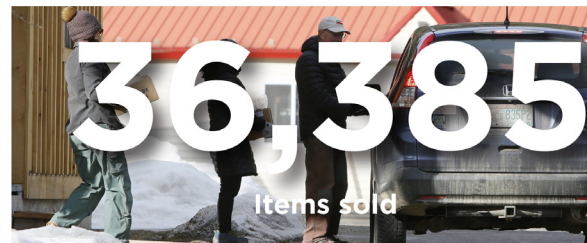
"We have worked with PAREI over the years on several projects to reduce our fossil fuel use. By implementing

both energy efficiency and clean energy strategies, we are nearly there. The human health, ecological health, and monetary benefits of transitioning away from fossil fuels are what drive our decision making."



Property includes 10.9KW ground mount PV array, EV charger, solar water heating collector and 10KW roof mounted pv array

LFP 2022-2023



Leadership Circle

2022–2023

Individual/Family Donors

(Individual donors contributing \$1,000 per year or more in cash or volunteer labor)

Anonymous (1)

Anna Louise and Trip Anderson

Diane Arsenault and Peter Pirnie

Rev. Linda Barnes and Mark Runquist

Maggie Brox and Brian Flynn

William Deal

Doug and Cindy Campbell

Charlie and Margie Emmons

Tim Gotwols and Sandra Jones

Reed and Jennifer Harrigan

Gary and Meg Hirschberg

Sam and Julie Howe

The Kellogg–Reynolds Family

Sally Jensen

Kim and Peter Lovett

Janet and Richard Metcalf

Patrick Miller and Pamela Andruszkiewicz

Kris and Peter Nordblom

Alex Ray and Lisa Muré

Len and Denise Reitsma

Laura and Gil Richardson

Marty Riehs and Shelagh Connelly

Milan McNall, in memory of

Carl McNall

NH Charitable Foundation–

Donor Advised Funds

- Anonymous funds (4)
- Burleigh Farm Fund
- Griffiths Wennrich Family Fund
- Jessie B. Cox Fund
- Lakes Region Environmental Fund
- Melinda Richmond Fund
- Natural Resources Fund
- Rogers Family Trust Fund
- Westmeadow Fund

Jenny Rowe and Nat Scrimshaw

Judith and Douglas Saum

Caryn Shield and Bart Beeson

Lindsey and Morgan Stepp

Susan and Tom Stepp

Lea A. Stewart

Elizabeth and William Trought

Joan and Paul Turley

Leadership Circle

2022–2023

Business/Organization Funding Partners

(Organizational donors contributing \$5,000 per year or more in cash or in-kind services)

Anonymous (2)
Aurental Technology Consulting (ATC)
BQuest Foundation (Hammond
Climate Solutions Foundation)
Bank of New Hampshire (BNH)
D'Acre's of New Hampshire
EVP Marketing and Media

Grappone Automotive
Innoventive Design Associates (IDA)
Mauchly Electric
NH Charitable Foundation–Community
Grant Program (NHCF)
NH Community Development
Finance Authority (CDFA)

NH Department of Energy
NH Electric Cooperative (NHEC)
NH Electric Cooperative Foundation
The Common Man
US Department of Agriculture
US Department of Energy

Sustaining Partners—Lifetime

(Entities contributing \$25,000 or more via grants, pledges, gifts, and/or in-kind services)



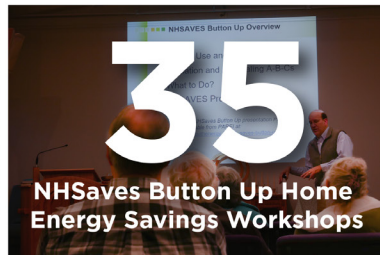
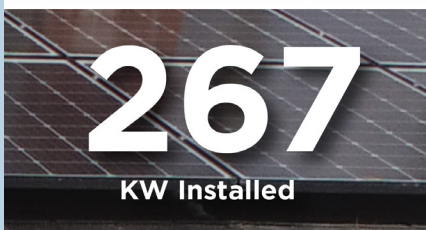
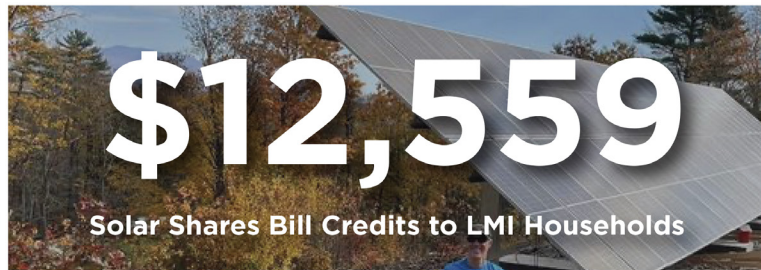
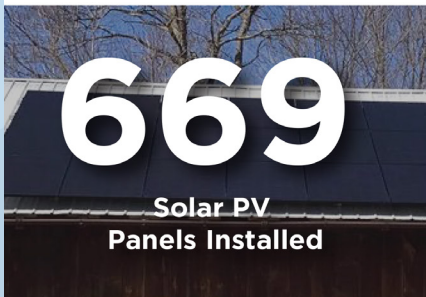
HAMMOND CLIMATE
SOLUTIONS FOUNDATION
Dynamic Action for a Sustainable Planet



U.S. DEPARTMENT OF
ENERGY



PAREI 2022-2023





Mauchly Electric
Keeping PAREI in Solar since 2006



Member Highlight

Gil and Laura
Richardson

We have watched PAREI grow and evolve since 2004, back when we were busy starting

the NH Sustainable Energy Association. Over the last 20 years, PAREI has stayed on point, no mission drift, only mission expansion. We love that PAREI's team creatively finds and fills gaps that fits within their community sustainability mission, skillsets and budget. NHSaves Button Up, NH Rural Renewables, NH Solar Shares, Local Foods Plymouth, Little Gardens Everywhere, and Solar PV installations for their members....their interconnected work makes a positive difference to our region. We hope you'll join us in supporting this powerful and empowering organization as members, donors and/or volunteers.

PAREI Moves to a New Long Term Home



In 2022, PAREI set out to find a new location in Plymouth. For over 10 years, our office was at 79 Highland St. thanks to the generosity of Off Campus Rentals and Doug and Sue McLane. And thanks to Alex Ray, we were lucky to find a place to build a new home at the old Brimstone Building near the corner of Rt 3 and Fairgrounds Rd. In September, we started to clean out the west end of the vacant office building and removed brush to create a parking area. In October and November, we prepped the site to build a pavilion for our Local Foods Plymouth (LFP) program. Thanks to our key volunteers, staff and contractors, Doug Campbell, Tom Garnsey, Tim Gotwols, Reed Harrigan, Sam Howe, Brandon Miller, Josh Nossaman, Ron Reynolds and Len Reitsma the pavilion was built – primarily by volunteers - in four months! On March 13, 2023 donors and volunteers gathered at the pavilion to celebrate. On March 16th our Local Foods Plymouth





On-line Farmers Market was back in business, only closing for one week, while the program was moved from a cold muddy tent to a new warm productive space.

With all this was going on.... our LFP staff and volunteers packed 5688 orders for 372 buyers which generated \$250,540 for our local farmers



Reed Harrigan, Ron Reynolds, Doug Campbell, The OFC Volunteer Crew

and vendors. And that's not all. Community members who utilize LFP donated \$3714 to our Farm to Community Foodshare Program. According to Denise Castonguay, "Preparing meals for participants at the Bridgehouse who are being housed due to housing insecurity, also means they have experienced food insecurities. The opportunity to utilize fresh local produce and local meats and poultry adds a new dimension to both the nutrition, variety, and quality of our evening community meals. The Bridge House is so very grateful for the generous contributions to Local Foods Plymouth. Thanks for helping to feed our people."

PAREI Moves to a New Long Term Home - Cont.

Once the pavilion was up and running, we turned our attention to renovating the office space. We built an accessible bathroom, insulated the walls, put down new flooring, built a kitchenette and new conference room as well as a fresh coat of paint through-out. All of this happened because of our committed and skilled volunteers! On November 18, 2023, the new office was opened with an official ribbon cutting event.



NHSaves Button UP Workshops

PAREI put on 35 NHSaves Button Up Workshops, throughout 2022 and 2023, thanks to the hard work of our two presenters Andy Duncan and Ted Stiles. Both presenters traveled throughout the state and/or presented this workshop on Zoom.

A NHSaves Button Up Workshop teaches attendees how to improve the energy efficiency of their home. It covers energy saving tips and NHSaves energy efficiency program details. It covers topics such as: saving electricity, insulation and air sealing, energy audits and weatherization programs, rebates on electric and gas appliances, and other incentives offered by NH's utilities. New Hampshire residents that want to use energy wisely and save money will find the information very useful.

Ted, the host from a NHSaves Button Up in Tamworth, said, "It was a great event in Tamworth. The in person audience was engaged throughout (14 in person and more on Zoom), many people seeking ways of making their own homes more efficient".

Also Jessica, the host from Bow, said "Thank you to Ted Stiles for an engaging NHSaves Button Up presentation at the Bow Baker Free Library! The audience seemed very impressed and interested in the material and they asked some great questions. This is an excellent resource for our community".

These workshops are funded by Eversource, Liberty Utilities, New Hampshire Electric Coop and Unitil. Thanks to them, PAREI can offer this workshop to towns throughout the state for free and further engage the public in conserving energy.





We met our goal! PAREI completed our third NH Solar Shares project

On November 30, 2023 after two years of planning and fundraising, PAREI commissioned our third NH Solar Shares “Solar for All” PV array located at the Lakes Region Conservation Trust (LRCT) in Center Harbor. By the end of the next day the system already generated 116kWH of clean renewable energy for our local electricity grid. The 35kW solar project consists of two ground-mounted arrays using (70) 500w solar modules with bi-facial technology designed to produce more power from the reflection of the snow. 100% of the solar energy value will be credited every month on the

electric bills of 12 low-income households in the region.

PAREI began NH Solar Shares in 2016 in partnership with NH Electric Cooperative and USDOE’s Community Solar Challenge to assure that all individuals in our community have an equal opportunity to access the economic and environmental benefits of solar energy. The goal was to install three solar PV projects located on donated space and funded by grants and local donations. The first project is located on the hillside in front of the Common Inn (2018) in Plymouth and the second one on the roof of the Appleknockers General Store (2019) in Warren, NH.

The Center Harbor project was a success thanks to PAREI’s partnership with Lakes Region Conservation Trust, Barrington Power, Mains Electric, Mauchly Electric, NH Electric Cooperative Foundation, NH Dept of Energy’s Renewable Energy Fund, NH Charitable Foundation Donor Advised Funds, Hammond Climate Solutions and volunteers from AmeriCorp, LRCT and PAREI. For more info. on donating to or participating in NH Solar Shares, email: nhsolarshares@plymouthenergy.org



2024 PAREI Board

William Abbott

Holderness, NH

Zak Brohinsky President,

North Pomfret, VT

Kim Godfrey Lovett

Holderness, NH

Richard Hage

Plymouth, NH

Jenny Highland, DO Parting

Treasurer, Bridgewater, NH

Sam Howe

Holderness, NH

MaryAnn McGarry Secretary,

Plymouth, NH

Lisetta Silvestri Interim Treasurer,

Holderness, NH

Joan Turley

Plymouth, NH

Staff

Robbin Adams - Office Manager, NH Saves Button Up Coordinator

Trip Anderson - Director of Development

Craig Cadieux - Small Business Technical Advisor and Volunteer Energy Advisor

Marianna Evans- Local Foods Plymouth Manager

Tom Garnsey - Solar Field Assistant and Facility Maintenance

Tim Gotwols - Solar Project Design and Facility Maintenance

Sandra Jones - Executive Director, Solar Project Manager

Michele Lacroix - Bookkeeper

Brandon Miller - Local Foods Plymouth Assistant Manager

Caryn Shield - NH Solar Shares Coordinator, Volunteer Coordinator

Sara Smith - Local Foods Plymouth Coordinator

Marissa Strong – Membership Communications



CDFA Executive Director Katy Easterly Martey, PAREI Director of Development Trip Anderson and Plymouth, NH State Senator Suzanne Prentiss attended the 2023 NHCDFA Capacity Building Award Ceremony earlier this summer in Concord, NH

In 2023, PAREI was awarded a \$150,000 capacity building grant from NH Community Development Finance Authority (NHCDFA)

PAREI was chosen by NHCDFA to receive a capacity building grant to support our Vision 2030 Phase Four goals that include improved IT infrastructure with cloud-based accessibility, increasing staff hours and positions as well as revisioning our logo and website to create a more cohesive and unified public interface. CDFA awards grants to non-profit organizations to help advance local community economic development and clean energy goals.

According to CDFA, "grants made to organizations are in the form of tax equity. NH businesses support the selected projects by purchasing

the tax credits, resulting in the nonprofit receiving a donation and the company receiving a 75 percent New Hampshire state tax credit against that contribution. The credit can be applied against the Business Profits Tax, Business Enterprise Tax, or Insurance Premium."

We'd like to extend a big thanks to the following businesses who support PAREI's mission and have purchased or made a tax credit pledge as of May 15, 2024: Bank of New Hampshire, Rockywold DeepHaven Camps, Resilient Building Group, Grappone Automotive, Common Man and Construx Inc. We have \$75,000 more in tax credits available for pledges or purchasing now. If you are a business owner and would like to direct your tax payments to PAREI in a way that supports your local community, please visit our project page here: <https://nhcdfa.org/vision-2030-phase-4-strategic-capacity-building/> or contact Trip Anderson, PAREI Director of Development, trip@plymouthenergy.org to learn more.

PAREI's "One for All" Membership

The move to restructure our membership levels and offer a "One for All" membership has been in the planning stages since 2022. In an effort to create a more cohesive public appearance PAREI has 1) created a single membership and 2) updated our logos to reflect each program's connection with PAREI.

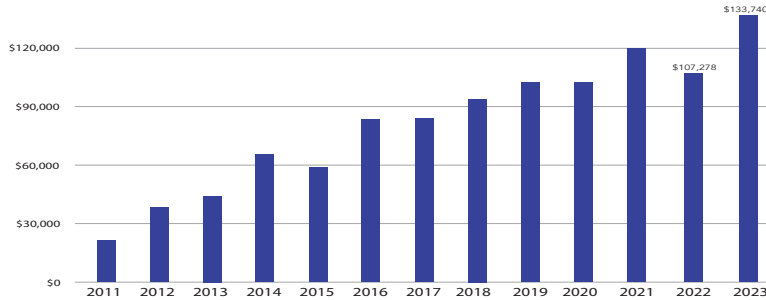
Local Foods Plymouth (LFP) On-Line Farmers' Market membership benefits are now incorporated into PAREI's "One for All" Membership. The \$75 Steward Membership Level or higher includes the Local Foods Plymouth discount. This membership level provides the customary 4% discount off the transaction fee at checkout.

The \$250 Patron Membership Level includes an on-site solar PV assessment. We are also offering a new Scholarship Membership for households that want the LFP discount but the full membership price is prohibitive.

Also new is our membership level for Businesses and Organizations at \$150 that includes two in-office energy consultations and LFP discounts for employees. To join or renew your PAREI membership on-line visit: <https://plymouthenergy.org/become-a-member-on-line/> or use the enclosed envelope.



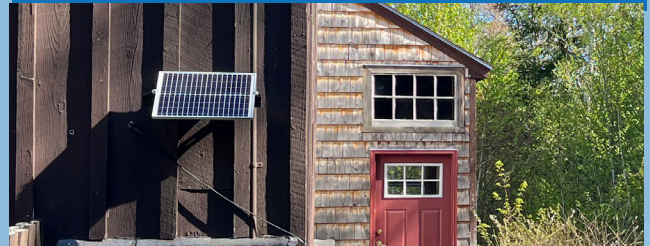
PAREI Total Equity 2011 to 2023



The Carl McNall Endowment Fund

The Carl McNall Endowment Fund was named to remember Carl who served on the PAREI board for 14 years up until he passed

away in March 2020. Carl cared deeply about the financial health and continuity of PAREI's programming and services. As of April 2024, we have raised \$16,788 toward our goal of \$500,000 for the Endowment Fund. We have a long way to go but the goal of this fund is to eventually provide annual operational support so our future environmental, climate and community leaders can further PAREI's mission for decades to come.



Looking Ahead:

- Coordinate 24 statewide NHSaves Button Up Home Energy Savings Workshops in 2024
- Provide free energy efficiency and solar energy technical assistance for NH small businesses in partnership with USDA, Clean Energy NH and Lakes Region Community College
- Increase LFP's on-line farmers' market orders from a weekly average of 55 to 75 by 2025
- Increase PAREI active memberships from 200 to 400 by 2025
- Develop a new consolidated website highlighting the Many Sides of PAREI
- Increase staff and volunteer capacity.
- Paint the office, seal/stain the pavilion, build gardens and install a 10.6kw PV array
- Maintain an edible garden at NH Solar Shares' sites in Plymouth and Center Harbor

Kitchen Inspired

The locally produced Kitchen Inspired cooking show, produced for Little Gardens Everywhere, is now in its 3rd season with 12 shows. Over 12,000 people have been inspired to cook with locally available foods through watching the shows. All of the shows can be seen at: kitchen-inspired.com



KITCHEN
INSPIRED

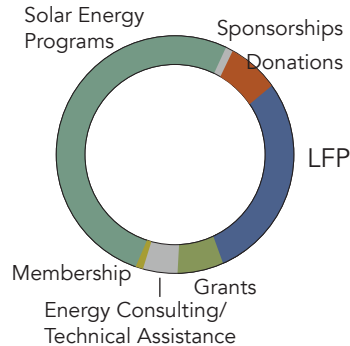


Financial 2022

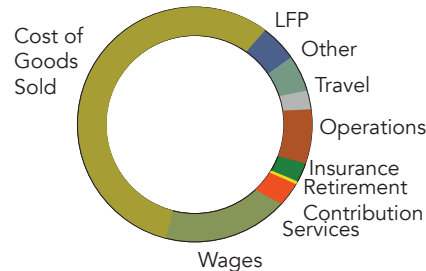
Revenue

Energy Consulting/Technical Assistance	\$ 47,888
Solar Energy Programs	\$ 367,321
Grants	\$ 50,225
Donations	\$ 57,785
Sponsorships	\$ 500
Local Foods Plymouth (LFP)	\$ 157,805
Membership	\$ <u>12,700</u>
Total Revenue	\$ 694,244

Revenue



Cost of Goods & Expenses



Cost of Goods & Expenses

Solar Programs	\$ 299,796
Local Foods Plymouth	\$ <u>130,098</u>
Total Cost of Goods	\$ 429,894

Expenses

PAREI Operations	\$ 22,325
LFP Operations	\$ 16,229
Services	\$ 41,776
Insurance	\$ 3,783
Travel	\$ 4,714
Other	\$ 9,829
Retirement Contribution	\$ 871
Wages (LFP and PAREI Programs)	\$ <u>176,514</u>

Total Expenses

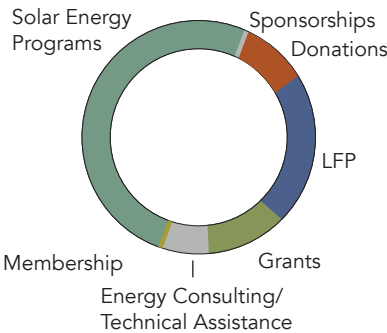
2022 Net Revenue	\$ 276,083
	\$ -11,688

Financial 2023

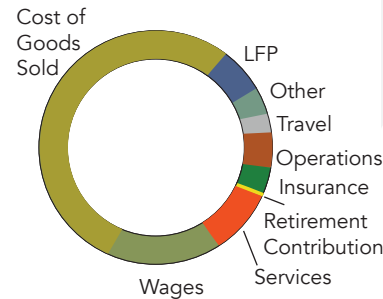
Revenue

Energy Consulting/Technical Assistance	\$ 56,124
Solar Energy Programs	\$ 486,757
Grants	\$ 165,500
Donations	\$ 111,115
Sponsorships	\$ 3,105
Local Foods Plymouth (LFP)	\$ 150,352
Membership	\$ 10,555
Total Revenue	\$ 983,508

Revenue



Cost of Goods & Expenses



Cost of Goods & Expenses

Solar Programs	\$ 510.620
Local Foods Plymouth	\$ 120,441
Total Cost of Goods	\$ 630,701

Expenses

PAREI Operations	\$ 32,096
LFP Operations	\$ 13,697
Services	\$ 75,287
Insurance	\$ 5,604
Travel	\$ 5,007
Other	\$ 8,690
Retirement Contribution	\$ 900
Wages (LFP and PAREI Programs)	\$ 187,327

Total Expenses \$ 328,608

2023 Net Revenue \$ 24,199

Celebrating 20 years in 2024

2005, Received the US Dept of Energy's Gauntlet Award for neighbor helping neighbor Energy Raiser model and addressing misconceptions around the effectiveness of solar energy for New Hampshire.

2009, NH Public Utilities Commission (PUC) awarded a \$100,000 grant to expand community-based, hands-on approach to reducing energy use and installing solar energy systems.

2011, In partnership with Plymouth Energy Commission implemented the ARRA funded NH Energy and Efficiency Block Grant of \$260,000 for energy audits and solar PV installations on municipal buildings.

2013, PAREI and the Plymouth Village Water and Sewer District were awarded \$325,000 from the NH PUC to install a 121KW solar PV array at Plymouth's treatment plant.

2014, PAREI led an effort to encourage NH Electric Co-Op to continue its net-metering program.

2015-16, PAREI worked with Bridge House and Whole Village Family Resource Center to secure a \$350,000 grant from NH-Community Development Finance Authority (CDFA) to implement energy audits and install solar PV arrays.

2017, Won \$45,000 in Tech. Assistance vouchers from the US DOE to develop NH Solar Shares as part of their "Solar in Your Community Challenge"

2018, Completed the first NH Solar Shares project on land donated by the Common Man Family of Restaurants in Plymouth. Funding partially provided by NH-PUC's LMI Community Solar Grant and local businesses.

2019, Awarded Community Partner Award by CADY – Community for Alcohol and Drug Free Youth

2019, Built the second NH Solar Shares array on roof space donated by the Appleknockers General Store in Warren

2020, Awarded a three-year \$57,000 grant from the NH Charitable Foundation to support capacity-building initiatives outlined in the Board's 2020-2025 Strategic Plan

2023, Received a Sunny Award from the US Dept of Energy for the successful NH Solar Shares program.

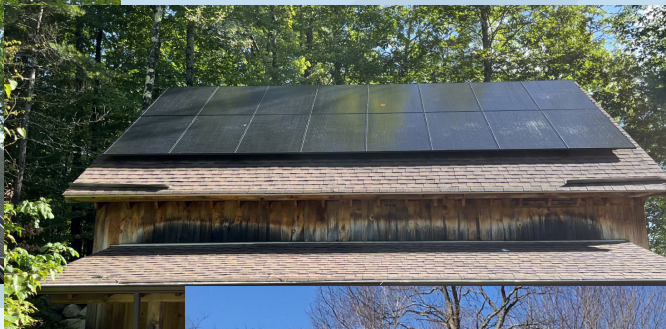
2023, Completed the third NH Solar Shares project in partnership with Lakes Region Land Trust in Center Harbor with funding provided by NH-DOE as well as private foundations, trusts, and local donors.

2023, Led by volunteers, built a Local Foods Pavilion and renovated a new office space at the corner of Rte 3/Fairgrounds Rd.

2023, Awarded a NH-CDFA tax credit grant of \$150,000 to partially fund PAREI's Vision 2030 Capacity Building strategic plans

2024, Marks PAREI's 20th year of working together to build a more sustainable community

And Finally ... More PAREI Members are Installing Solar Every Year



TO DO LIST

- Sign up for an In-Office Energy Consultation to learn about utility and federal incentives to make your home more energy efficient.
- Volunteer to serve on the new Little Gardens Everywhere committee.
- Donate to the Endowment Fund: plymouthenergy.org/donate
- Attend a PAREI Board of Directors meeting to learn more about how PAREI is governed.
- Volunteer to help maintain gardens at PAREI's Solar Shares projects in Plymouth and Center Harbor.
- Get inspired to cook with local foods by watching a Kitchen Inspired Cooking Show.
- Attend Plymouth's Fall Festival and Farmer's Market in Oct.

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