
Sara Farrar, Eric Lockhart, Joyce McLaren, Scott Belding, Kamyria Coney, Isa Ferrall-Wolf, and Alexandra Kramer

National Renewable Energy Laboratory

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Suggested Citation
# Final Technical Report (FTR)
## Abbreviated Format

<p>| | |</p>
<table>
<thead>
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<tbody>
<tr>
<td><strong>a. Federal Agency</strong></td>
<td>Department of Energy</td>
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<tr>
<td><strong>b. Award Number</strong></td>
<td>32954</td>
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<tr>
<td><strong>c. Project Title</strong></td>
<td>Solar Energy Innovation Network (SEIN)</td>
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<tr>
<td><strong>d. Recipient Organization</strong></td>
<td>National Renewable Energy Laboratory (NREL)</td>
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<tr>
<td><strong>e. Project Period</strong></td>
<td><strong>Start:</strong> 7/1/2017  <strong>End:</strong> 6/30/2024</td>
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</tbody>
</table>
| **f. Principal Investigator (P.I.)** | Eric Lockhart  
NREL P.I. of SEIN 32954  
Eric.Lockhart@nrel.gov  
303-275-4637 |
| **g. Co-P.I.** | Sara Farrar  
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Solar Data Analysis and Tools (DAT) /  
Balance of Systems (BOS) Program Lead  
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**Signature of Certifying Official**  
**Date**
1. **Acknowledgements**: This material is based upon work supported by the U.S. Department of Energy's (DOE) Office of Energy Efficiency and Renewable Energy (EERE) Solar Energy Technologies Office (SETO) under the Agreement/Award Number 32954 for Solar Energy Innovation Network (SEIN) Project 2017-2024.

The authors wish to acknowledge the collaborative program guidance of Michele Boyd, Nicholas Kasza, KC Payne Hirsh, and their colleagues with the SETO Strategic Analysis and Institutional Support group. The authors also wish to thank early and essential NREL research, analysis, and facilitator colleagues especially including Kristen Ardani, Lori Bird, Alison Holm, and Anthony Teixeira.

2. **Disclaimer**: This report was prepared as an account of work sponsored by an agency of the United States (U.S.) Government. Neither the U.S. Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the U.S. Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the U.S. Government or any agency thereof.

3. **Project Summary**: The Solar Energy Innovation Network (SEIN) is a dynamic program that assembles diverse teams of stakeholders to research solutions to real-world challenges associated with solar energy adoption. In conjunction with its partner organizations, NREL implemented the program by providing research, analysis, and technical expertise directly to project teams and groups of teams (cohorts), by facilitating networked learning through cohorts and peer exchange, and by facilitating dissemination and replication of solutions and lessons learned among stakeholders across the U.S. with similar challenges.

4. **Project Objectives and Outcomes**:

Project Objectives – This project had three objectives to:

(1) Increase the relevance of solar research and analysis by using real-world data to address challenges of and propose solutions for increasing solar energy adoption;

(2) Perform in-depth analysis to generate broader insights applicable to other stakeholders; and

(3) Facilitate dissemination and replication of insights and solutions.

Project Outcomes – SEIN Rounds 1–3 explored challenges aligning distribution-scale solar photovoltaic (PV) system adoption with local needs. Solutions require
leveraging community assets, linking holistic approaches, addressing project economics, and innovating decision-making structures.

NREL conducted SEIN as a collaborative program for multi-stakeholder teams to research, develop, and share solutions to real-world challenges associated with distributed solar energy. Topics have included:

- Improving grid flexibility and resiliency through siting and operations
- Improving reliability and affordability through options analysis
- Solar in rural communities
- Solar for commercial-scale contexts
- Equitable residential and commercial-scale solar
- Replication of multi-stakeholder team results in new locations.

Extensive technical assistance (TA) to 25 multi-stakeholder teams producing well over 100 publications to date and expanding impacts to more than 30 replicators to date for adapting SEIN findings in other communities.

NREL made subcontract awards in three direct funding rounds to multi-stakeholder teams and technical assistance partners.

Ten larger and 70 smaller capacity-building and knowledge-sharing events—including seven working sessions and three symposiums gathering more than 600 stakeholders—created inspiration and collaboration on actionable concepts to drive solar adoption. Recent session topics included wealth building, Inflation Reduction Act (IRA) opportunities, and the importance of effective project storytelling.

SEIN Round 1 Symposium 2019 in-person participants engaged with shared insights, innovations, and lessons learned through SEIN. The collaborative meeting combined conference-style presentations and targeted, topic-based interactive sessions. A total of 140 people attended including existing and new stakeholders from utilities, state and local governments, non-profits, and system operators as well as NREL, subcontractors, and subject matter expert staff.

SEIN Round 2 Symposium 2021 on-line participants engaged with shared insights, innovations, and lessons learned. The responding participants indicated an average of 5.7 on a Likert scale of 1 to 7, or 81% agreement, that they are likely to pursue, incorporate, or adapt at least one of the identified solutions or approaches to increasing solar and distributed energy resource (DER) adoption presented during the Symposium.

SEIN Round 3 Symposium 2023 in-person participants shared approaches for overcoming barriers to equitable adoption of rooftop solar in underserved and diverse communities, including:

- Collaborating with trusted local leadership as facilitators
- Tailored outreach with relevant context
- Bundling rooftop solar with repairs, upgrades, or efficiency
• Fair access to financial resources and economic opportunity
• Community-centered decision-making structures.

The 25 place-based multi-stakeholder teams receiving subcontract funding were comprised of about 120 diverse organization members including community-based organizations (CBOs) and non-profits; utilities; local, city and state governments; universities; and private businesses. Highlights of their project outputs include:

• Round 1 analysis and partnerships provided decision-support information to the Utah Clean Air and Climate Compact, an agreement between 100 government, business, and faith leaders in the state.
• Round 1 analysis contributed representative load profiles to NREL’s Electric Vehicle Infrastructure – Projection (EVI-Pro) Lite Tool, adding a valuable feature for modeling vehicle electrification needs, especially when paired with solar PV generation for charging.
• Round 2 Early-Stage Decision model designed to screen solar and storage projects, to fine-tune their design, and to facilitate their procurement by local electric co-ops and public power utilities.
• Round 2 Clear Sky Toolkit for evaluating the potential to deploy commercial-scale solar + storage applications on critical facilities to mitigate the effects of power outages on critical infrastructure and essential services.
• Round 2 in-depth technoeconomic analysis for solar + storage microgrids at a consortium of historically Black colleges and universities (HBCUs) in Atlanta provided relevant examples of potential projects for additional campuses and facilities, in addition to documenting key project development insights for other stakeholders interested in resilience hubs.
• Round 3 Three Black, Indigenous, and people of color (BIPOC)-led houses of worship signed solar finance contracts and have construction projects underway, for a total of 50-kW rooftop solar capacity, $120,000 deployed.
• Round 3 dataset built to help RE-volv-led team’s site selection is now a published national database that helps understand potential applicability of Federal incentives as well as facilitates dissemination and replication of solutions: the Screening Tool for Equitable Adoption and Deployment of Solar (STEADy Solar).
• Round 3 Exploration of consumer protection concerns in a local context—Austin, TX, through the Pecan Street-led project—that led to future research and informed new initiatives.

Over 30 additional replication partners in other locations receiving SEIN technical assistance included the following examples:

• Round 1 Peer Network led to multi-county solar energy master plan development in Colorado via the Clean Energy Economy for the Region (CLEER).
• Community Planning for Solar Toolkit to help municipalities in Massachusetts and throughout the Northeast proactively plan for solar PV development in their communities. This toolkit led to interest from the Massachusetts State
Legislative Delegation on rural solar deployment insights and a planned local Symposium on the topic organized by the SEIN project lead.

- Relationship building and assistance to HBCUs and minority-serving institutions (MSIs) interested in solar adoption through scaling findings of previous SEIN projects.

Outreach for SEIN partner and participant opportunities as well as results includes the SEIN NREL website (https://www.nrel.gov/solar/market-research-analysis/solar-energy-innovation-network.html) with the following available metrics:

- About 8,000 engagements with the website every year over the past 3 years.
- This trend shows a slight growth with 7,700 pageviews in 2022 and 4,400 users in 2024 (less than 6 months into the calendar year).
- The Round 3 webpage is by far the most popular page in the past year, attracting the majority of visits.
- Note: In mid-2023, Google Analytics changed how it captures and counts web traffic. Previously, “pageviews” were the key statistic, and after, “users” became the key stat. These are generally similar metrics—they count similarly for the same site across this timeframe—but they’re not a 1:1 comparison.

Additional follow-on successes include:

- The Round 2 Breaking Barriers project led to a community-driven resilience hub at a house of worship in Atlanta. Vicars Community Center at Community Church Atlanta | Groundswell.
- The Round 3 multi-stakeholder team from Salt Lake City (SLC), Utah, received AMEX funding to mobilize capital to reach more underserved community businesses and non-profits, building on success during the SEIN project. SLC shared a portion of the $1.2M grant with the Urban Sustainability Directors Network (USDN), plus $325,000 to the city from American Express. Project to increase solar power on Salt Lake’s west side just got funding boost | KSL.com.
- The Round 3 Twin Cities project team secured a $950,000 Community Innovation grant from the Bush Foundation to build on their SEIN project to support BIPOC- and immigrant-owned small businesses in decarbonizing (solar + buildings technologies).
- The Round 3 RE-volv-led team has seen a cascade of follow-on activities attributable to their SEIN project, including $1.5M from The Schmidt Family Foundation and $1.5M from The Kresge Foundation. RE-volv secures investment to build solar projects for non-profits – pv magazine USA (pv-magazine-usa.com).
## Milestones from Technical Work Plan:

<table>
<thead>
<tr>
<th>Year #</th>
<th>Task #</th>
<th>M #</th>
<th>Milestone Name</th>
<th>Planned Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>9</td>
<td>1</td>
<td>Conduct at least 1 in-person facilitated meeting to advance research and analysis needs and to facilitate networked learning between teams for the Round 1 cohorts.</td>
<td>12/31/2018</td>
</tr>
<tr>
<td>2</td>
<td>8</td>
<td>1</td>
<td>Provide at least three occurrences of research and analysis support to Round 1 cohort teams and peer network organizations as documented by email or letter reports; expert reviews; summary modeling results; learning session, webinar, or conference presentations; or white papers.</td>
<td>3/31/2019</td>
</tr>
<tr>
<td>2</td>
<td>9</td>
<td>2</td>
<td>Conduct a Solar Energy Innovation workshop open to all participating Round 1 teams, peer network organizations, and other expert stakeholders in appropriate geographies and contexts across the U.S. to share lessons-learned and innovative solutions developed during the program period.</td>
<td>6/30/2019</td>
</tr>
<tr>
<td>2</td>
<td>10</td>
<td>1</td>
<td>Finalize the Round 2 cohort collaboration topics, issue the Request for Proposals (RFP) solicitation for new Round 2 teams, promote the RFP with outreach, and receive proposals.</td>
<td>9/30/2019</td>
</tr>
<tr>
<td>3</td>
<td>8</td>
<td>1</td>
<td>Compile Round 1 research and analysis lessons learned and impacts final draft report, including findings and insights from analytical support and subcontractor team projects.</td>
<td>12/30/2019</td>
</tr>
<tr>
<td>3</td>
<td>9</td>
<td>1</td>
<td>Conduct at least 1 in-person facilitated meeting with each team to identify research and analysis needs and to facilitate networked learning between teams for the Round 2 cohorts.</td>
<td>3/30/2020</td>
</tr>
<tr>
<td>3</td>
<td>9</td>
<td>2</td>
<td>Conduct at least 1 in-person facilitated meeting to advance research and analysis needs and to facilitate networked learning between teams for the Round 2 cohorts.</td>
<td>6/30/2020</td>
</tr>
<tr>
<td>3</td>
<td>9</td>
<td>3</td>
<td>Conduct at least 1 in-person facilitated meeting to advance research and analysis needs and to facilitate networked learning between teams for the Round 2 cohorts.</td>
<td>9/30/2020</td>
</tr>
<tr>
<td>4</td>
<td>8</td>
<td>1</td>
<td>Compile and submit recommendations on the potential for Round 3 of program.</td>
<td>12/30/2020</td>
</tr>
<tr>
<td>4</td>
<td>8</td>
<td>2</td>
<td>Provide at least three occurrences of research and analysis support to Round 2 cohort teams and peer network organizations as documented by email or letter reports; expert reviews; summary modeling results; learning session, webinar, or conference presentations; or white papers.</td>
<td>3/30/2021</td>
</tr>
<tr>
<td>4</td>
<td>9</td>
<td>1</td>
<td>Conduct a Solar Energy Innovation workshop open to all participating Round 2 teams and other expert stakeholders in appropriate</td>
<td>6/30/2021</td>
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<tr>
<td>Year #</td>
<td>Task #</td>
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<td>Milestone Name</td>
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<tr>
<td>4</td>
<td>8</td>
<td>3</td>
<td>Compile Round 2 research and analysis lessons learned and impacts final draft report, including findings and insights from analytical support and subcontractor team projects.</td>
<td>9/30/2021</td>
</tr>
<tr>
<td>4</td>
<td>11</td>
<td>1</td>
<td>Priorities for updating the guidebook, with stakeholder input, in PowerPoint format for DOE review and further input, completed.</td>
<td>3/31/2021</td>
</tr>
<tr>
<td>4</td>
<td>11</td>
<td>2</td>
<td>Solar Powering Your Community document completed and submitted for DOE approval.</td>
<td>9/30/2021</td>
</tr>
<tr>
<td>4</td>
<td>15</td>
<td>1</td>
<td>Finalize the Round 3 cohort collaboration topics, issue the RFP solicitation for new Round 3 teams, promote the RFP with outreach, and receive proposals.</td>
<td>9/30/2021</td>
</tr>
<tr>
<td>5</td>
<td>12</td>
<td>1</td>
<td>Solar Power in Your Community Guidebook released; brief summary document posted online.</td>
<td>12/31/2021</td>
</tr>
<tr>
<td>5</td>
<td>13</td>
<td>1</td>
<td>Develop applied capacity building materials to support equitable solar adoption through selected Round 3 teams.</td>
<td>12/31/2021</td>
</tr>
<tr>
<td>5</td>
<td>12</td>
<td>2</td>
<td>Q2 Impact Analysis of the Solar Power in Your Community Guidebook completed and at least 1 presentation/workshop held.</td>
<td>3/31/2022</td>
</tr>
<tr>
<td>5</td>
<td>14</td>
<td>1</td>
<td>Conduct at least 1 in-person facilitated meeting with each team to identify research and analysis needs and to facilitate networked learning between teams for the Round 3 cohorts.</td>
<td>3/31/2022</td>
</tr>
<tr>
<td>5</td>
<td>12</td>
<td>3</td>
<td>Q3 Impact Analysis of the Solar Power in Your Community Guidebook completed and at least 1 presentation/workshop held.</td>
<td>6/30/2022</td>
</tr>
<tr>
<td>5</td>
<td>14</td>
<td>2</td>
<td>Conduct at least 1 in-person facilitated meeting to advance research and analysis needs and to facilitate networked learning between teams for the Round 3 cohorts.</td>
<td>6/30/2022</td>
</tr>
<tr>
<td>5</td>
<td>12</td>
<td>4</td>
<td>Q4 Impact Analysis of the Solar Power in Your Community Guidebook completed and at least 1 presentation/workshop held.</td>
<td>9/30/2022</td>
</tr>
<tr>
<td>5</td>
<td>14</td>
<td>3</td>
<td>Conduct at least 1 in-person facilitated meeting to advance research and analysis needs and to facilitate networked learning between teams for the Round 3 cohorts.</td>
<td>9/30/2022</td>
</tr>
<tr>
<td>6</td>
<td>12</td>
<td>1</td>
<td>Q2-Q4 Outreach and Impact Analysis of the Solar Power in Your Community Guidebook.</td>
<td>9/30/2023</td>
</tr>
<tr>
<td>6</td>
<td>13</td>
<td>1</td>
<td>Compile and submit recommendations on the potential for Round 4 of program.</td>
<td>12/31/2022</td>
</tr>
<tr>
<td>6</td>
<td>13</td>
<td>2</td>
<td>Provide at least three occurrences of research and analysis support to Round 3 cohort teams and peer network organizations as documented by email or letter reports; expert reviews; summary</td>
<td>3/31/2023</td>
</tr>
<tr>
<td>Year</td>
<td>Task</td>
<td>M#</td>
<td>Milestone Name</td>
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<td>6</td>
<td>14</td>
<td>1</td>
<td>modeling results; learning session, webinar, or conference presentations; or white papers.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>13</td>
<td>3</td>
<td>Conduct a Solar Energy Innovation workshop open to all participating Round 3 teams and other expert stakeholders in appropriate geographies and contexts across the U.S. to share lessons-learned and innovative solutions developed during the program period.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>13</td>
<td>3</td>
<td>Compile Round 3 research and analysis lessons learned and impacts final draft report, including findings and insights from analytical support and subcontractor team projects.</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>13</td>
<td>1</td>
<td>Finalize launch plan of the Round 3 Assistance for Early Adopters with replication packages, application form, and outreach strategy.</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>13</td>
<td>2</td>
<td>Finalize launch plan of the Round 4 multi-stakeholder team solicitation with cohort collaboration topics, RFP package, and outreach strategy.</td>
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### 5. Path Forward:

SEIN has evolved with the solar PV market over the course of seven years. Topics initially focused on solar reliability and affordability with grid flexibility, then progressed to solar in commercial-scale and rural contexts, and then most recently to equitable adoption of solar in underserved communities. Work by SEIN subcontractor organizations has supported multi-stakeholder teams in making progress locally in their communities, which is then disseminated in publications and working sessions and replicated through technical assistance provided by SEIN. Future research directions include SEIN’s latest focus of equitable adoption of distribution-scale solar in underserved communities.

SEIN Round 3 explored how solar could meet underserved community needs effectively, with a focus on how community members and businesses could direct how solar could be adopted and serve in key decision making roles. SEIN teams discovered three core areas that warrant future research and partnership with underserved communities. The first area is challenges, which include topics such as how to navigate split incentive issues in neighborhoods with high percentages of renters. The second category is emerging solutions, which includes topics such as how to work with trusted messengers or liaisons to build awareness and then critically cultivate sustained engagement in how best to pursue solar in a given community. The third area is facilitators, which includes ideas such as how to leverage and anchor solar in locally owned small businesses. Each of these three categories comprise barriers and opportunities that need further research, analysis, and stakeholder engagement for beneficial impact.
An example of a future research area that intersects those three categories is considering how blended finance can overcome challenges in community-directed decision making by applying IRA incentives and funding sources and directly leveraging facilitators in communities. Capital from diverse sources such as green banks, commercial lenders, and foundations could be combined to effectively manage risk and channel meaningful benefits to communities. IRA programs, such as the Greenhouse Gas Reduction Fund, lay the groundwork for this type of financing approach, and multi-stakeholder groups could partner with clean energy finance and researchers to develop, de-risk, and scale them.

The SEIN model of combining direct funding, convening and facilitation, and analytical support has proven valuable in driving collaboration between stakeholders on the ground and researchers, in enabling peer exchange across stakeholders with common challenges, and ultimately in developing solutions that meet the needs of communities across the country that are interested in solar but are not sure what pathways make sense for them. Through this model, NREL staff have also had the opportunity to learn from the multi-stakeholder teams and in turn support expanding capacity to overcome barriers to solar adoption with community leaders, non-profits, local government, and utilities across the country.

This ongoing exchange between research and piloting in communities has led to the development of emerging solutions for the challenges of adopting solar that can then be scaled to additional locations. In replicating these solutions with next adopters, the outputs from SEIN teams are adapted, applied, and made more robust through iteration in new settings. The topics for potential research noted above align with SEIN’s recent topical focus, and the model can be flexibly applied to future research and engagement across the solar deployment market.

6. **Project Team**: List all project participants and their individual roles.

<table>
<thead>
<tr>
<th>Name</th>
<th>Role/Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eric Lockhart</td>
<td>P.I., Group Research Manager II</td>
</tr>
<tr>
<td>Sara Farrar</td>
<td>Co-P.I., Project Manager IV-Research</td>
</tr>
<tr>
<td>Scott Belding</td>
<td>Researcher III-Decision Support Analysis</td>
</tr>
<tr>
<td>Kamyria Coney</td>
<td>Researcher II-Policy Analysis</td>
</tr>
<tr>
<td>Harrison Dreves</td>
<td>Project Manager III-Research Support</td>
</tr>
<tr>
<td>Sara Fall</td>
<td>Professional III-Communications</td>
</tr>
<tr>
<td>Isa Ferrall-Wolf</td>
<td>Researcher III-Decision Support Analysis</td>
</tr>
<tr>
<td>Alexandra Kramer</td>
<td>Researcher II-Decision Support Analysis</td>
</tr>
<tr>
<td>Larson Lovdal</td>
<td>Researcher III-Decision Support Analysis</td>
</tr>
<tr>
<td>Joyce McLaren</td>
<td>Researcher V-Market Research Analysis</td>
</tr>
<tr>
<td>Tucker Oddleifson</td>
<td>Researcher II-Model Engineering</td>
</tr>
<tr>
<td>Adrienne Powell</td>
<td>Project Manager III-Research Support</td>
</tr>
<tr>
<td>Additional NREL Staff</td>
<td>Researchers, see authors listed in section of</td>
</tr>
<tr>
<td>Contributors, 2017–2024</td>
<td>Publications and Other Results</td>
</tr>
</tbody>
</table>
7. **Publications and Other Results** (chronological order by year-month):

**SEIN Round 1** (35 outputs)


Kristen Ardani (NREL), Luis Reyes (KCEC), Woody Hastings (CCP), Nate Hausman (CESA), Brian Ross (GPI). 2018-09. Improving Grid Flexibility through Advanced Siting


Charging-.pdf, https://betterenergy.org/blog/solar-power-plus-electric-vehicle-charging-capturing-synergies-in-minnesota/

**SEIN Round 2 (58+ outputs)**


NREL. 2020-04. SEIN Round 2 Team Kick-off Workshops - 8 total, March 17-April 17, 2020, On-line Video Conferences. Meeting.


Tampa Bay Regional Planning Council. 2021-10. Subcontract Reports. https://tbrpc.org/clearsky/

- Clear Sky Decision Support Template.
• Laura Thomas and Cara McCown, City of Largo, FL. City of Largo Clear Sky Assessment Process: Prioritizing Solar + Storage for Resilient Facilities and Communities. NREL/SR-7A40-90007, OSTI/2375028.


• Assessing Community Preferences Regarding Solar Development. NREL/SR-7A40-90086, OSTI/2395900.
• Forming a Collaborative Community Solar Planning Team. NREL/SR-7A40-90067, OSTI/2394639.
• Solar Finance and Ownership Options (Factsheet). NREL/SR-7A40-90081, OSTI/2394646.
• Solar Resource and Infrastructure Assessment for the Town of Blandford. NREL/SR-7A40-90075, OSTI/2394642.
• Solar Resource and Infrastructure Assessment for the Town of Wendell. NREL/SR-7A40-90076, OSTI/2394643.
- The Electric Grid, Distributed Generation, and Grid Interconnection. NREL/SR-7A40-90068, OSTI/2394640.


Alex Kramer. 2023-06. A Menu for Enhancing Local Energy Resilience in Boston and Beyond. SEIN Blog.

**SEIN Round 3 (42+ outputs)**


NREL. 2022-06. SEIN Round 3 Team Scoping Workshops, 8 total, April 19 - June 16, 2022, On-line Video Conferences. Meeting.


Erifili Drakellis and Ben Proffer, RMI. 2024-05. Collaborating with Utilities to Meet Underserved Community Needs. SEIN Blog.


Aaron Backs and Diana McKeown, GPI. 2024-05. Twin Cities Team Finds Opportunities to Expand Rooftop Solar for Underserved Small Businesses. SEIN Blog.


Jennifer Eden (Utah Clean Energy) and Christopher Thomas (Salt Lake City Department of Sustainability). 2024-06. Solar + Storage Toolkit for Small- or Mid-sized Business. Website, https://hub.utahcleanenergy.org/solar-power/


**Media Mentions of SEIN Projects**

Fiscal Year (FY) 2019


FY2020

• https://www.umass.edu/newsoffice/article/grant.umass.amherst.clean-energy-extension

**FY2022**

• https://www.greenbiz.com/article/atlanta-community-resilience-project-seeks-become-model-energy-equity
• https://www.solarpowerworldonline.com/2022/03/nrel-backed-nonprofit-team-solar-bipoc-houses-of-worship/

**FY2023**