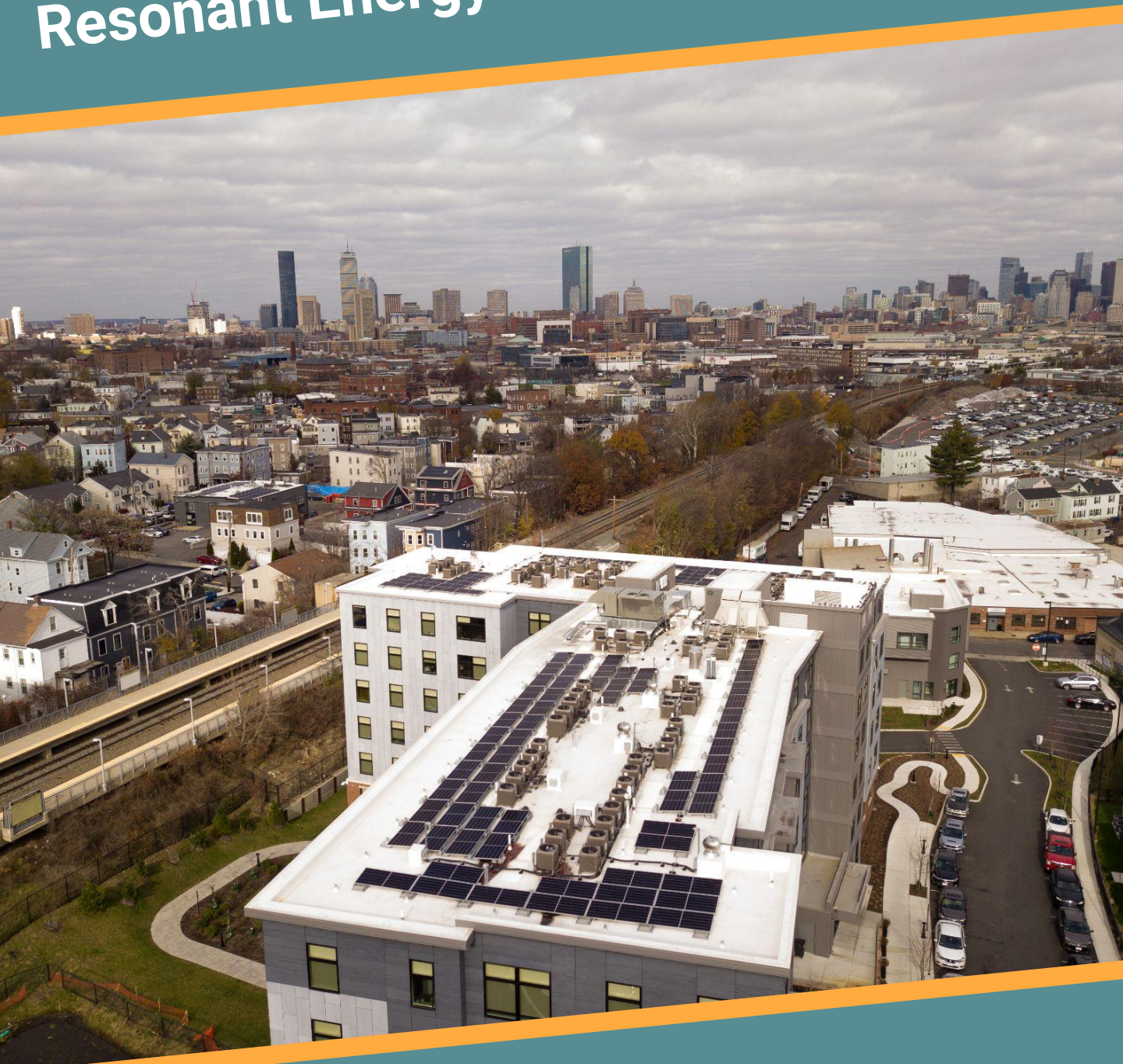


# Resonant Energy 2022 Impact Report



## 2022 was a historic year for the solar industry.

The [Inflation Reduction Act](#) is the single largest piece of climate legislation ever passed in the US and includes a number of solar policy improvements. We're thrilled to see the addition of social justice provisions that will boost the viability of solar projects built in environmental justice census tracts and serving low-income oftakers – these provisions will go a long way in making solar energy more accessible. Additionally, the new Direct Pay provision will make solar more accessible and financially feasible for nonprofits across the board, allowing tax-exempt organizations to finally take advantage of the investment tax credit. We are feeling energized by this push for growth in the clean energy space and the positive impacts it will have on our work in the coming years.

In 2022, Resonant built more projects than ever before. Since our founding in 2016, the Resonant team has installed **7.4 MW** of solar across **200 projects**, representing more than **\$22 million in total investment**. The greenhouse gas emissions avoided from these projects each year are equal to **32 rail cars worth of coal** and power the equivalent of **1,140 single family homes**. These solar arrays are projected provide more than **\$10 million in lifetime savings** and more than half are located within or serve environmental justice communities.

The Resonant Team had many “firsts” in 2022. Members of our team traveled to Solar Power International in Anaheim, CA to compete in the final round of the Department of Energy’s American-Made Solar Prize. While the [Solar Equity Platform](#) was not selected as a winner, we were awarded more than **\$135,000** in prize money throughout the competition, including special awards for our project’s advancements in Justice, Equity, Diversity and Inclusion. This year, we hired our first full-time employees to manage our Environmental Justice Programs and new Human Resources Department. Resonant was selected by the City of Boston as a partner on the Solarize Eastie campaign, providing the Solar Access Program as a no-cost option for eligible customers who cannot purchase solar on their own. Members of our team even got a chance to meet Mayor Michelle Wu.

As we move into 2023, our team is feeling grateful for forward thinking policy and the continued growth in the solar industry and within our own team.



**ISAAC BAKER**  
Co-CEO, Founder

**BEN UNDERWOOD**  
Co-CEO, Founder

**MADELEINE BARR**  
VP of Outreach &  
Sales, Founder

**ALEC HENRY**  
VP of Operations  
& Analysis,  
Founder

# OUR IMPACT

Since our founding in 2016, our installed capacity has grown rapidly, reaching a cumulative **7,438 kW-DC (~16,500 panels)** which represents **\$22,141,839** of total investment in solar. We're proud that **57%** of our projects serve clients in environmental justice communities.

### Cumulative Projects Built kW-DC



### PROJECTS, BY THE NUMBERS

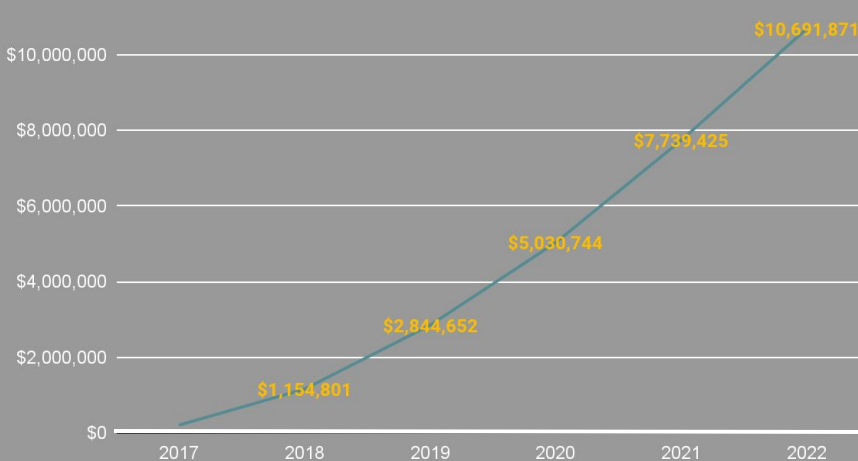


57% serve **Environmental Justice** communities



**8,267,140 kWh** of energy produced per year, the equivalent of...

### Estimated Lifetime Customer Savings Across All Projects



Taking **1,262 cars** off the road



Providing **1,140 homes** with electricity



Carbon sequestered from **6,933 acres of U.S. Forests**

# AFFORDABLE HOUSING: STAR CAMPAIGN

The Solar Technical Assistance Retrofit (STAR) Program is designed to connect multifamily affordable housing developers in Massachusetts to the resources and technical assistance needed to pursue solar for their properties. With our partners at Local Initiatives Support Corporation (LISC-Boston) and the Massachusetts Association of Community Development Corporations (MACDC) we've been able to help 30 organizations assess their portfolios for solar energy. This program continues to be made possible through the generous support of the Jampart Foundation and the Massachusetts Clean Energy Center's EmPower Program.



Photo Credit: Sunbug Solar

## 4.9 MW of Solar

- 17 affordable housing providers
- 113 sites
- \$10.9 million in lifetime savings



Equivalent to taking 879 cars off the road

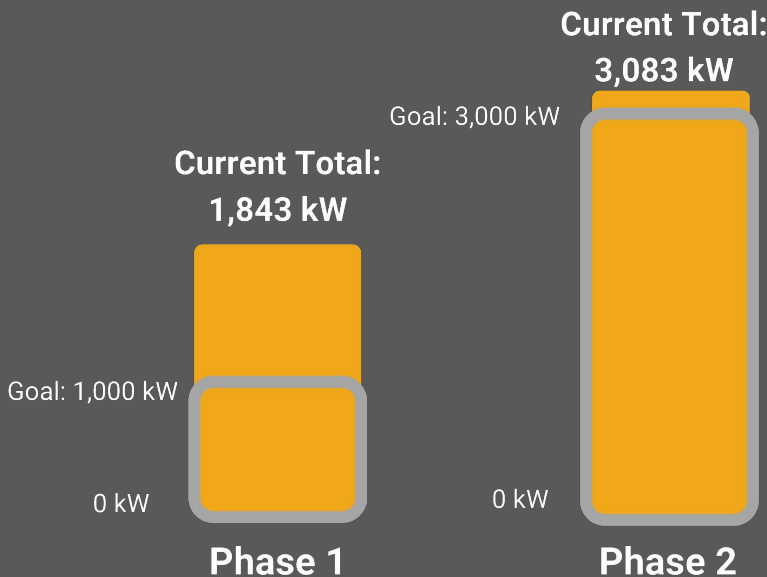


\$450K in Direct Resident Benefits



Energy to power 500 single-family homes

## STAR Program Goals



Thanks to a generous donation from the Lauenstein Family, we are excited to be working with Boston Housing Authority in Phase 3 of the STAR Program as a pilot to explore barriers specific to municipally-owned housing.

Now Accepting Applications for [STAR Phase 3](#)

# Students for Solar

This year, the Resonant team completed a very special installation at the Winsor School in Boston. Back in the fall of 2019, members of the Planet Protectors Club at the Winsor School (many of whom were in 8th grade at the time) invited Resonant Energy to meet with the club to discuss solar options for the school. The students went on to present a comprehensive plan to the Board of Trustees for approval. Though it was slightly delayed by the COVID-19 pandemic, the project was greenlit by the school and began construction this past March. The project is now fully operational and covers roughly **33%** of the school's annual electricity usage, saving the school more than **\$1 million** over the lifetime of the project.



Inspired by the leadership of the Winsor students, Resonant has launched [Students for Solar](#), a campaign designed to encourage other student groups, teachers, and faculty in Massachusetts to advocate for solar at their schools.

**K-12 Schools in the US spend \$8 billion on electricity annually**



Photo Credit: The Winsor School

# Small Projects, Big Social Impact

## Mujeres Unidas Avanzando



**Mujeres Unidas Avanzando (MUA)** was a special project for our team, and not just because it is next door to our office. MUA works to empower Latina girls and women through education and social services and has been a staple of the Field's Corner neighborhood for more than 40 years. This project was fully funded by three separate grants from the City of Boston's Partners with Nonprofits Program, the Tern Foundation's TernSOLAR challenge grant program and the Agnes M. Lindsay Charitable Trust. The **23 kW** solar array covers 100% of their electricity usage so MUA saw savings on day one.

## Zumix Firehouse

**Zumix** is an East Boston-based nonprofit dedicated to building community through music and creative technology. This **9.57 kW** project will help reduce the energy needs at their headquarters, which are housed in an old fire station that has been retrofitted to be an energy-efficient community space frequently lit up with music and celebration. The solar project was financed with generous philanthropic support from RiseUp Solar and the Tern Foundation.



# Sharing Solar with Discovery Museum

Parking canopies are a great option for organizations with large parking lots. The Discovery Museum (Acton, MA) took its solar project a step further by building a larger array than their organization needed and sharing the excess solar with other nonprofit organizations. This hyper-local community solar project is sharing electricity credits with Haley House (Boston), Acton Housing Authority, the Neighborhood of Affordable Housing (Boston) and Green Energy Consumers Alliance who is donating their credits to low-income households in Boston.



**327 kW DC**  
**856 Solar Panels**



Enough to  
power **50** homes  
for a year



Eliminating the  
CO<sup>2</sup> created by  
driving **643,343**  
miles



Absorbing as  
much CO<sup>2</sup> as **307**  
acres of forest  
each year

**“We are powered by the sun, powering others as well, and have created an incredible, visible commitment to inspiring others to embrace a more sustainable path.”**

- Neil Gordon, CEO of Discovery Museum

# OUR TEAM



**ISAAC BAKER**  
Co-CEO, Founder



**BEN UNDERWOOD**  
Co-CEO, Founder



**MADELINE BARR**  
VP of Outreach &  
Sales, Founder



**ALEC HENRY**  
VP of Operations,  
Founder



**PRIYANKA GOPINATH**  
Senior Project Analyst



**SARAH BRIGGETTE**  
Senior Project Manager



**KATHERINE WAGNER**  
Senior Project Manager



**ALEXANDER SHAW**  
Business Operations  
Manager



**GENEVIEVE QUIRION**  
Project Manager



**MELISSA RICHARDS**  
Human Resources  
Manager



**TIFFANY NGYUEN**  
Project Coordinator



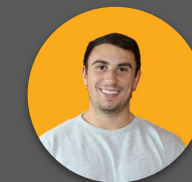
**KELSIE DANIELS-JACKSON**  
Environmental Justice  
Programs Manager



**RACHEL GENTILE**  
Marketing &  
Communications  
Coordinator



**JEAN ST. DICK**  
Project Analysis  
Associate



**GREG COPPOLA**  
Project Manager



**WILL SHEPHERD**  
Project Analysis  
Coordinator



**JIM BAUER**  
Project Manager



**COLBY LAWLESS**  
Account Coordinator



**LEONARD SCHLOER**  
Business Development  
Manager



**SAVANNAH BOWLING**  
Project Coordinator



Employee Owner



# 2022 Highlights



## OUR BOARD OF ADVISORS

**Alphonse Knight** - Boston Metro East Community Energy Co-op Representative, *Co-op Power*

**Rev. Mariama White-Hammond**  
Chief of Environment, Energy, and Open Space,  
*City of Boston*  
Founder and Pastor, *New Roots AME Church*

**Lisa Drapkin** - Managing Director, *Denman Drapkin Group | Compass*

**Anders Ferguson** - Founding Principal, *Veris Wealth Partners*

**Lynn Benander** - President & CEO, *Co-op Power*

**Bob Barton** - Founder, *Catalyst Financial Group*

**Pauliina Swartz** - Principal, *Banking on Green, LLC*

**Jim Nail** - President, *MA Interfaith Power & Light*